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

March 2023



**Air Force**

*Justification Book Volume 1 of 1*

***Missile Procurement, Air Force***

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Air Force • Budget Estimates FY 2024 • Procurement

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Appropriation Language  
Fiscal Year (FY) 2024 President's Budget  
Missile Procurement, Air Force

For construction, procurement, and modification of missiles, rockets, and related equipment, including spare parts and accessories therefor, ground handling equipment, and training devices; 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, \$ 5,530,446,000 to remain available for obligations until September 30, 2026.

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Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3020F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3020 Missile Procurement, Air Force

	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment
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Line	Ident	Se	Quantity	Cost	Quantity	Cost	Quantity	Cost*
No	Code	c						

Budget Activity 01: Ballistic missiles

Missile Replacement Equipment - Ballistic

1	Missile Replacement Eq-Ballistic	A	U			55,476
2	Missile Replacement EQ-Ballistic	A	U		65,438	

Ballistic Missiles

3	Ground Based Strategic Deterrent Advance Procurement (CY)				8,895	
	C (FY 2022 for FY 2026) (M)				(2,455)	
	C (FY 2022 for FY 2027) (M)				(3,220)	
	C (FY 2022 for FY 2028) (M)				(3,220)	
	C (FY 2024 for FY 2026) (M)					

<b>Total Ballistic missiles</b>		<b>74,333</b>	<b>55,476</b>
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Budget Activity 02: Other missiles

Strategic

4	Long Range Stand-Off Weapon	A	U		31,454
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\*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).

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Mar 2023

Appropriation: 3020 Missile Procurement, Air Force

Line		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
<b><u>Budget Activity 01: Ballistic missiles</u></b>							
<b>Missile Replacement Equipment - Ballistic</b>							
1	Missile Replacement Eq-Ballistic	A	U		55,476		69,319
2	Missile Replacement EQ-Ballistic	A	U				
<b>Ballistic Missiles</b>							
3	Ground Based Strategic Deterrent Advance Procurement (CY)						539,300
	C (FY 2022 for FY 2026) (M)						
	C (FY 2022 for FY 2027) (M)						
	C (FY 2022 for FY 2028) (M)						
	C (FY 2024 for FY 2026) (M)						(539,300)
<b>Total Ballistic missiles</b>					<b>55,476</b>		<b>608,619</b>
<b><u>Budget Activity 02: Other missiles</u></b>							
<b>Strategic</b>							
4	Long Range Stand-Off Weapon	A	U		31,454		66,816

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Mar 2023

Appropriation: 3020 Missile 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*
<b>Tactical</b>									
5	Replac Equip & War Consumables	A	U		7,681		30,510		
6	Joint Air-Surface Standoff Missile	A	U	525	710,550	550	784,971		
7	Joint Air-Surface Standoff Missile Advance Procurement (CY) C (FY 2024 for FY 2025) (M) C (FY 2024 for FY 2026) (M) C (FY 2024 for FY 2027) (M) C (FY 2024 for FY 2028) (M)								
8	Joint Strike Missile	A	U						
9	LRASM0		U			25	105,989		
10	LRASM0 Advance Procurement (CY) C (FY 2024 for FY 2025) (M) C (FY 2024 for FY 2026) (M) C (FY 2024 for FY 2027) (M) C (FY 2024 for FY 2028) (M)								

\*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).

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Appropriation: 3020 Missile Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
<b>Tactical</b>							
5	Replac Equip & War Consumables	A	U		30,510		37,318
6	Joint Air-Surface Standoff Missile	A	U	550	784,971	550	915,996
7	Joint Air-Surface Standoff Missile Advance Procurement (CY)						769,672
	C (FY 2024 for FY 2025) (M)						(222,418)
	C (FY 2024 for FY 2026) (M)						(182,418)
	C (FY 2024 for FY 2027) (M)						(182,418)
	C (FY 2024 for FY 2028) (M)						(182,418)
8	Joint Strike Missile	A	U			48	161,011
9	LRASM0		U	25	105,989	27	87,796
10	LRASM0 Advance Procurement (CY)						99,871
	C (FY 2024 for FY 2025) (M)						(24,967)
	C (FY 2024 for FY 2026) (M)						(24,968)
	C (FY 2024 for FY 2027) (M)						(24,968)
	C (FY 2024 for FY 2028) (M)						(24,968)

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Appropriation: 3020 Missile 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*
11	Sidewinder (AIM-9X)	A	U	230	102,507	255	111,855		
12	AMRAAM	A	U	317	326,350	271	320,056		
13	AMRAAM Advance Procurement (CY) C (FY 2024 for FY 2025) (M) C (FY 2024 for FY 2026) (M) C (FY 2024 for FY 2027) (M)								
14	Predator Hellfire Missile	A	U	695	103,684		1,040		
15	Small Diameter Bomb	A	U	793	65,214	356	46,475		
16	SMALL DIAMETER BOMB II	A	U	976	275,934	1,214	379,006		
17	Stand-In Attack Weapon (SIAW)	A	U			42	77,975		
<b>Industrial Facilities</b>									
18	Industrial Preparedness/Pol Prevention	A	U		757		868		
<b>Total Other missiles</b>				<b>3,536</b>	<b>1,592,677</b>	<b>2,713</b>	<b>1,890,199</b>		

\*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).

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Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
11	Sidewinder (AIM-9X)	A	U	255	111,855	192	95,643
12	AMRAAM	A	U	271	320,056	457	489,049
13	AMRAAM						
	Advance Procurement (CY)						212,410
	C (FY 2024 for FY 2025) (M)						(70,803)
	C (FY 2024 for FY 2026) (M)						(70,803)
	C (FY 2024 for FY 2027) (M)						(70,804)
14	Predator Hellfire Missile	A	U		1,040		1,049
15	Small Diameter Bomb	A	U	356	46,475	874	48,734
16	SMALL DIAMETER BOMB II	A	U	1,214	379,006	920	291,553
17	Stand-In Attack Weapon (SIAW)	A	U	42	77,975	14	41,947
<b>Industrial Facilities</b>							
18	Industrial Preparedness/Pol Prevention	A	U		868		793
<b>Total Other missiles</b>				<b>2,713</b>	<b>1,890,199</b>	<b>3,082</b>	<b>3,319,658</b>

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Appropriation: 3020 Missile 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*
<b><u>Budget Activity 03: Modification of in-service missiles</u></b>									
<b>Class IV</b>									
19	ICBM FUZE MOD	A	U	0	(69,363)		(114,188)		
	Less: Advance Procurement (PY)				(-4,100)		(-14,497)		
				<b>0</b>	<b>65,263</b>		<b>99,691</b>		
20	ICBM FUZE MOD								
	Advance Procurement (CY)				35,507		37,673		
	C (FY 2022 for FY 2025) (M)				(35,507)				
	C (FY 2023 for FY 2026) (M)						(37,673)		
	C (FY 2024 for FY 2027) (M)								
21	MM III Modifications	A	U		78,853		61,672		
22	Air Launch Cruise Missile (ALCM)	A	U		46,799		33,778		
	<b>Total Modification of in-service missiles</b>			<b>0</b>	<b>226,422</b>		<b>232,814</b>		
<b><u>Budget Activity 04: Spares and repair parts</u></b>									
<b>Missile Spares and Repair Parts</b>									
23	Msl Sprs/Repair Parts (Initial)	A	U		16,212		15,354		

\*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).

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Appropriation: 3020 Missile Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
<b><u>Budget Activity 03: Modification of inservice missiles</u></b>							
<b>Class IV</b>							
19	ICBM FUZE MOD	A	U		(114,188)		(159,195)
	Less: Advance Procurement (PY)				(-14,497)		(-43,450)
					<b>99,691</b>		<b>115,745</b>
20	ICBM FUZE MOD						
	Advance Procurement (CY)				37,673		43,044
	C (FY 2022 for FY 2025) (M)						
	C (FY 2023 for FY 2026) (M)				(37,673)		
	C (FY 2024 for FY 2027) (M)						(43,044)
21	MM III Modifications	A	U		61,672		48,639
22	Air Launch Cruise Missile (ALCM)	A	U		33,778		41,494
	<b>Total Modification of inservice missiles</b>				<b>232,814</b>		<b>248,922</b>

**Budget Activity 04: Spares and repair parts**

**Missile Spares and Repair Parts**

23	Msl Sprs/Repair Parts (Initial)	A	U		15,354		6,840
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Appropriation: 3020 Missile 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*
24	Msl Sprs/Repair Parts (Replen)	A	U		71,788		62,978		
25	Initial Spares/Repair Parts	A	U		4,045				
<b>Total Spares and repair parts</b>					<b>92,045</b>		<b>78,332</b>		
 <b><u>Budget Activity 05: Other support</u></b>									
 <b>Space Programs</b>									
26	Cancelled Accounts	A	U		1,485				
 <b>Special Programs</b>									
29	Special Update Programs	A	U		30,352		36,933		
 <b>Classified Programs</b>									
999	Classified Programs		U		570,240		705,540		
<b>Total Other support</b>					<b>602,077</b>		<b>742,473</b>		
 <b>Total Missile Procurement, Air Force</b>					<b>3,536</b>	<b>2,587,554</b>	<b>2,713</b>	<b>2,999,294</b>	

\*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).

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(Dollars in Thousands)							
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
24	Msl Sprs/Repair Parts (Replen)	A	U		62,978		75,191
25	Initial Spares/Repair Parts	A	U				
<b>Total Spares and repair parts</b>					<b>78,332</b>		<b>82,031</b>
<b><u>Budget Activity 05: Other support</u></b>							
<b>Space Programs</b>							
26	Cancelled Accounts	A	U				
<b>Special Programs</b>							
29	Special Update Programs	A	U		36,933		419,498
<b>Classified Programs</b>							
999	Classified Programs		U		705,540		851,718
<b>Total Other support</b>					<b>742,473</b>		<b>1,271,216</b>
<b>Total Missile Procurement, Air Force</b>				<b>2,713</b>	<b>2,999,294</b>	<b>3,082</b>	<b>5,530,446</b>

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Ground Based Strategic Deterrent, Advance Procurement	MGBSD0	3	01	04.....	Volume 1 - 17
ICBM FUZE MOD	M30FLH	19	03	01.....	Volume 1 - 135
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Mar 2023

Appropriation: **Missile Procurement, Air Force**

	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
<b><u>Budget Activity</u></b>					
01. Ballistic missiles	74,333	55,476		55,476	608,619
02. Other missiles	1,592,677	1,890,199		1,890,199	3,319,658
03. Modification of inservice missiles	226,422	232,814		232,814	248,922
04. Spares and repair parts	92,045	78,332		78,332	82,031
05. Other support	602,077	742,473		742,473	1,271,216
<b>Total Missile Procurement, Air Force</b>	<b>2,587,554</b>	<b>2,999,294</b>		<b>2,999,294</b>	<b>5,530,446</b>

\*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)

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## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE PROCUREMENT</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>
AGM-88	P	_2984	HARM Control Section Modification	72.2											72.2
<b>TOTAL FOR CLASS P</b>				72.2											72.2
<b>TOTAL FOR MISSILE AGM-88</b>				72.2											72.2

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE</u> <u>PROCUREMENT</u> <u>ENT</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>
SDB I	P	610001	GBU-39/B SDB I - BRU-61/A Dual Power Modifications	45.3											45.3
<b>TOTAL FOR CLASS P</b>				45.3											45.3
<b>TOTAL FOR MISSILE SDB I</b>				45.3											45.3

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE PROCUREMENT ENT</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>
AGM-65	P	650003	Laser Maverick Mod	71.6											71.6
<b>TOTAL FOR CLASS P</b>				71.6											71.6
<b>TOTAL FOR MISSILE AGM-65</b>				71.6											71.6

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE PROCUREMENT ENT</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>
ICBM Fuze Mod	P	5915	FUZE MODERNIZATION		69.4	114.2	159.2		159.2	156.6	137.5	140.5	129.4	1.9	908.6
<b>TOTAL FOR CLASS P</b>					69.4	114.2	159.2		159.2	156.6	137.5	140.5	129.4	1.9	908.6
<b>TOTAL FOR MISSILE ICBM Fuze Mod</b>					69.4	114.2	159.2		159.2	156.6	137.5	140.5	129.4	1.9	908.6



## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE PROCUREMENT ENT</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>
LGM-30 Mods	P	5910	MINUTEMAN MEECN MODIFICATION	129.4	2.7	4.1	4.4		4.4	4.7	3.0				148.3
		5916	ICBM Cryptography Upgrade Increment II	138.5	11.2	7.1									156.8
		5921	MM LCC Block Upgrades	39.4	1.2										40.6
		5925	MM III Auto Switching Unit (ASU)	4.8	1.6	35.5	31.7		31.7	18.0					91.6
		5928	T-9 Launch Facility Trainer Conversion (T-9)	44.5											44.5
		5932	LGM-30G Remote Visual Assessment Phase II (RVA II)	28.3	54.6	0.4									83.2
		5942	LGM-30G Launch Control Center Break-In-Kit (LCCB)	0.2											0.2
		5947	A/D Switch Replacement		3.9										3.9
		5948	CMPT upgrade	0.3											0.3
		5949	Fast Rising B-Plug Service Extension Program (FRBP SLEP)	0.0		9.7	11.6		11.6	15.4	4.0				40.7
		99999X	Low Cost Modifications	12.8	3.6	5.0	0.9		0.9	9.2	9.3	10.3	10.6		61.6
<b>TOTAL FOR CLASS P</b>				<b>398.1</b>	<b>78.9</b>	<b>61.7</b>	<b>48.6</b>		<b>48.6</b>	<b>47.2</b>	<b>16.3</b>	<b>10.3</b>	<b>10.6</b>		<b>671.7</b>
<b>TOTAL FOR MISSILE LGM-30 Mods</b>				<b>398.1</b>	<b>78.9</b>	<b>61.7</b>	<b>48.6</b>		<b>48.6</b>	<b>47.2</b>	<b>16.3</b>	<b>10.3</b>	<b>10.6</b>		<b>671.7</b>

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>MISSILE</u> <u>PROCUREMENT</u> <u>ENT</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>
AGM-86	P-S	860108	Inertial Navigation Element (INE)	31.0	6.9	4.2	5.4		5.4	5.3	4.4	4.5	4.4	35.4	101.6
<b>TOTAL FOR CLASS P-S</b>				31.0	6.9	4.2	5.4		5.4	5.3	4.4	4.5	4.4	35.4	101.6
	P	_0468	AGM-86B Low Cost Mods	2.1		0.1	0.1		0.1	0.1	0.1				2.5
		860009	AGM-86B CALCM/ALCM Test Instrumentation Kit	9.8	21.3	7.5	11.5		11.5						50.1
		860011	Support Equipment	29.6	0.6	2.4	0.8		0.8	6.5	2.8	7.4	14.1		64.3
		860101	AGM-86B Service Life Extension Program I	14.3	4.3	4.0	4.1		4.1	4.2	3.2	0.0	0.0		34.1
		860103	Warhead Arming Device (WAD)	7.6	0.0	0.0									7.6
		860104	Rotary Switch (RS)	31.0	7.7	6.0	2.5		2.5	0.6	0.0	0.0			47.9
		860105	Guided Missile Flight Controller (GMFC)	5.7	4.8	4.6	5.6		5.6	5.6	5.7	4.5	0.0	0.0	36.5
		860106	W-10 Cable	2.0	0.2	0.2									2.4
		860107	Fuze Assembly	6.2		3.8	1.0		1.0	0.0					10.9
		860109	Flight Data Transmitter		0.8		5.3		5.3	5.4	5.6	5.7	4.5	4.0	31.4
		860110	Voltage Regulator			1.0	1.0		1.0	1.0	1.0	1.0	0.9	0.0	5.9
		860111	Elevon Actuator Controller (EAC)				4.3		4.3	5.2	6.0	6.1	6.0	7.0	34.6
<b>TOTAL FOR CLASS P</b>				108.3	39.9	29.6	36.1		36.1	28.7	24.4	24.7	25.5	11.1	328.2
<b>TOTAL FOR MISSILE AGM-86</b>				139.3	46.8	33.8	41.5		41.5	34.0	28.8	29.3	29.9	46.5	429.8

# Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

**Appropriation / Budget Activity:**

3020 Missile Procurement - Air Force / Other Missiles (BA-02)

**P-1 Item Nomenclature:**

AMRAAM - MYP

**1. Multiyear Procurement Description:**

In the FY 2024 budget request, the Department of Defense is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields. In addition, the MYP supports the procurement of critical munitions and enables substantial progress towards improving inventory objective requirements to meet the National Defense Strategy.

**2. Benefit to the Government:**

**a. Substantial Savings:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Substantial Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contact award in FY24.

**b. Stability of Requirement:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Requirement has been waived.

**c. Stability of Funding:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Funding has been waived.

## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Other Missiles (BA-02)

### P-1 Item Nomenclature:

AMRAAM - MYP

#### d. Stable Configuration:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify a Stable Design has been waived.

#### e. Realistic Cost Estimate:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Realistic Cost Elements has been waived. OSD CAPE analysis is underway and will be updated with realistic cost estimates NLT 30 days prior to a multi-year procurement contract award in FY24.

#### f. National Security:

In the FY 2024 budget request, the Department of Defense is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6. The MYP concept supports the procurement of critical munitions and enables substantial progress towards improving inventory objective requirements to meet the National Defense Strategy.

### 3. Source of Savings:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Source of Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contract award in FY24. There are no current estimates for Sources of Savings at this time.

	<u>\$</u>	<u>in Millions</u>
Inflation	\$	0.0000
Vendor Procurement	\$	0.0000
Manufacturing	\$	0.0000

## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Other Missiles (BA-02)

### P-1 Item Nomenclature:

AMRAAM - MYP

Design/Engineering	\$	0.0000
Tool Design	\$	0.0000
Support Equipment	\$	0.0000
Other	\$	0.0000
Workload Savings	\$	0.0000
<b>Total</b>	<b>\$</b>	<b>0.0000</b>

#### 4. Advantages of the MYP:

Concurrent and overlapping MYP at a parallel production line/facility and optimizing savings to procure additional end items is categorized as Large Lot Procurement (LLP), in which the synergy in production of similar components for the same Tier I, II, and III industrial base producers in an MYP environment can be aligned towards production efficiencies.

#### 5. Impact on Defense Industrial Base:

The individual MYP contracts will send a strong and reliable demand signal to the industrial base that highlights the Department's commitment to increasing weapons procurement throughout the FYDP.

# Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

**Appropriation / Budget Activity:**  
3020 Missile Procurement - Air Force / Other Missiles (BA-02)

**P-1 Item Nomenclature:**  
JASSM

## **1. Multiyear Procurement Description:**

In the FY 2024 budget request, the Department of Defense is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields. In addition, the MYP supports the procurement of critical munitions and enables substantial progress towards improving inventory objective requirements to meet the National Defense Strategy.

## **2. Benefit to the Government:**

### **a. Substantial Savings:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Substantial Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contact award in FY24.

### **b. Stability of Requirement:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Requirement has been waived.

### **c. Stability of Funding:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Funding has been waived.

## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Other Missiles (BA-02)

### P-1 Item Nomenclature:

JASSM

#### **d. Stable Configuration:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify a Stable Design has been waived.

#### **e. Realistic Cost Estimate:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Realistic Cost Elements has been waived. OSD CAPE analysis is underway and will be updated with realistic cost estimates NLT 30 days prior to a multi-year procurement contact award in FY24.

#### **f. National Security:**

The Joint Standoff Attack Weapon is critical for the nation's national security. This program provides a long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets.

### **3. Source of Savings:**

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Source of Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contact award in FY24. There are no current estimates for Sources of Savings at this time.

	<b><u>\$ in Millions</u></b>
Inflation	\$ 0.0000
Vendor Procurement	\$ 0.0000
Manufacturing	\$ 0.0000
Design/Engineering	\$ 0.0000

## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Other Missiles (BA-02)

### P-1 Item Nomenclature:

JASSM

Tool Design	\$	0.0000
Support Equipment	\$	0.0000
Other	\$	0.0000
Workload Savings	\$	0.0000
<b>Total</b>	<b>\$</b>	<b>0.0000</b>

### 4. Advantages of the MYP:

Concurrent and overlapping MYP at a parallel production line/facility and optimizing savings to procure additional end items is categorized as Large Lot Procurement (LLP), in which the synergy in production of similar components for the same Tier I, II, and III industrial base producers in an MYP environment can be aligned towards production efficiencies.

### 5. Impact on Defense Industrial Base:

The individual MYP contracts will send a strong and reliable demand signal to the industrial base that highlights the Department's commitment to increasing weapons procurement throughout the FYDP.



# Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

## Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Spares and Repair Parts (BA-04)

## P-1 Item Nomenclature:

LRASM

### 1. Multiyear Procurement Description:

In the FY 2024 budget request, the Department of Defense is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields. In addition, the MYP supports the procurement of critical munitions and enables substantial progress towards improving inventory objective requirements to meet the National Defense Strategy.

### 2. Benefit to the Government:

#### a. Substantial Savings:

Savings associated with this MYP will principally be achieved as a result of Economic Order Quantity (EOQ) investments. Procuring select components using EOQ money will allow the prime contractor and/or subcontractor(s) to order multiple lots of components at a reduced price. Additionally, the Defense Industrial Base (DIB) money in FY 2024 will offer industry motivation to implement production and facilitization improvements necessary to reduce costs throughout the life of the LRASM program.

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Substantial Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contact award in FY24.

#### b. Stability of Requirement:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Requirement has been waived.

#### c. Stability of Funding:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of

## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Spares and Repair Parts (BA-04)

### P-1 Item Nomenclature:

LRASM

Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Stability of Funding has been waived.

#### d. Stable Configuration:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify a Stable Design has been waived.

#### e. Realistic Cost Estimate:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501 of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Realistic Cost Elements has been waived. OSD CAPE analysis is underway and will be updated with realistic cost estimates NLT 30 days prior to a multi-year procurement contract award in FY24.

#### f. National Security:

In the FY 2024 budget request, the Department of Defense is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6. The MYP concept supports the procurement of critical munitions and enables substantial progress towards improving inventory objective requirements to meet the National Defense Strategy.

LRASM was delivered as an Early Operational Capability (EOC) to meet the most urgent air-launched requirement, significantly reducing Joint Force warfighting risks and positioning the DoD to address evolving surface warfare threats. LRASM remains a viable interim capability pending the determination of the long-term Offensive Anti-Surface Warfare (OASuW) solution by evolving capability necessary to outpace a dynamic threat. The C-1 configuration will ensure continued tactical dominance against capital ships and land strike targets.

### 3. Source of Savings:

The Air Force is using the authorities granted by the 2023 NDAA, Section 1244, Subsection 3, "Limited Applicability of Other Law," to waive several requirements outlined in Section 3501 of title 10, United States Code to initiate a multi-year procurement contract in accordance with Congressional intent. Per the NDAA, the only provisions of Section 3501

Exhibit MYP-1, Multiyear Procurement Criteria

(MYP, Page 2 of 3)

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## Exhibit MYP-1, Multiyear Procurement Criteria

Date:  
March 2023

### Appropriation / Budget Activity:

3020 Missile Procurement - Air Force / Spares and Repair Parts (BA-04)

### P-1 Item Nomenclature:

LRASM

of title 10, United States Code that shall apply are the following: (A) Subsection (f), (B) Subsection (g), (C) Subsection (i)(1), and (D) Subsection (l)(3).

The requirement to document and verify Source of Savings has been waived. OSD CAPE analysis is underway and will be updated with actual savings NLT 30 days prior to a multi-year procurement contact award in FY24. There are no current estimates for Sources of Savings at this time.

	<u>\$</u>	<u>in Millions</u>
Inflation	\$	0.0000
Vendor Procurement	\$	0.0000
Manufacturing	\$	0.0000
Design/Engineering	\$	0.0000
Tool Design	\$	0.0000
Support Equipment	\$	0.0000
Other	\$	0.0000
Workload Savings	\$	0.0000
<b>Total</b>	<b>\$</b>	<b>0.0000</b>

#### 4. Advantages of the MYP:

Concurrent and overlapping MYP at a parallel production line/facility and optimizing savings to procure additional end items is categorized as Large Lot Procurement (LLP), in which the synergy in production of similar components for the same Tier I, II, and III industrial base producers in an MYP environment can be aligned towards production efficiencies.

#### 5. Impact on Defense Industrial Base:

The individual MYP contracts will send a strong and reliable demand signal to the industrial base that highlights the Department's commitment to increasing weapons procurement throughout the FYDP.

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## ACRONYMS

### *GENERAL ACRONYMS*

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

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FOT&E	- Follow-on Test and Evaluation
FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
FY	- Fiscal Year
GANS	- Global Access Navigation & Safety
GATM	- Global Air Traffic Management
GFE	- Government Furnished Equipment
GFP	- Government Furnished Property
GPS	- Global Positioning System
GSE	- Ground Support Equipment
ICS	- Interim Contractor Support
IOC	- Initial Operating Capability
IT	- Information Technology
JUON	- Joint Urgent Operational Need
MAIS	- Major Automated Information System Program
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OCO	- Overseas Contingency Operations
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

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

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

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### ***CONTRACT METHOD / TYPE ACRONYMS***

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

### ***CONTRACTED BY ACRONYMS***

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

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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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 3: Missile Replacement Equipment - Ballistic	<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0101213F
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**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> )	-	65.438	55.476	69.319	-	69.319	69.778	56.436	41.980	42.875	-	401.302
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	65.438	55.476	69.319	-	69.319	69.778	56.436	41.980	42.875	-	401.302
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>65.438</b>	<b>55.476</b>	<b>69.319</b>	-	<b>69.319</b>	<b>69.778</b>	<b>56.436</b>	<b>41.980</b>	<b>42.875</b>	-	<b>401.302</b>

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

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

**Description:**

This exhibit combines funding data from lines #1 and #2 of the P-1 exhibit.

This program funds replacement of organizational and intermediate level support equipment for all out-of-production ballistic missile systems. Equipment procured is used for missile weapon systems maintenance and testing at organizational/intermediate (base/field) launch control facilities, as well as missile testing facilities. Equipment and qualified minor construction costs related to depot activation. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

Related Research, Development, Test & Evaluation, Air Force funding is contained in PE 0101213F.

- **Ballistic Missile Items Less Than 5 Million:** Support Equipment Less Than 5M procures low cost new, modified or replacement support equipment, to include facilities and other equipment to support programmed depot maintenance capability activation. This also includes efforts required to prepare for re-location of T-41 trainer from Malmstrom AFB to Vandenberg Space Force Base (VSFB).
- **Payload Transporter Replacement (PTR):** Provides nuclear certified tractor and trailer to emplace, extract, and transport the reentry system, the Propulsion System Rocket Engine, and the guidance systems. Replaces current payload transporter to meet USSTRATCOM security requirements and addresses supportability issues. Required to sustain Minuteman III operations through fielding of Sentinel. This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D
- **Performance Assessment Data System Communication Equipment Interface Unit (PADS CEIU):** PADS is used to collect and analyze Missile Guidance Computer (MGC) data, Launch Facility (LF) faults and anomalies, as well as LF security and Environmental Control System (ECS) data. PADS is a critical MM III legacy data system, developed in the late 1970s and redesigned in 1996-1999, using commercial software. This program addresses PADS reliability, by updating software to meet Air Force software security requirements and to conform to the Air Force standard desktop configuration. PADS CEIU is used to transmit MM III Inertial Measurement Unit (IMU) Performance Data (IPD) from the Launch Control Center (LCC) to the PADS at the support base via telephone lines. CEIU is unclassified equipment, but interfaces with both classified and non-classified systems. This program will update the current CEIU. The change to CEIU design will no longer utilize a modem but will instead use internet protocol (IP). PADS CEIU will support operations through the fielding of Sentinel and is required by AFGSC by the end of FY24.
- **Transporter Erector Replacement Program (TERP):** The TERP replaces the current transporter erector used to emplace, extract and transport MM III boosters to and from launch facilities. The TERP will also update existing drawings, specifications and technical orders to eliminate parts obsolescence and support operations through the fielding of Sentinel.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 3: Missile Replacement Equipment - Ballistic		<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0101213F
<b>Line Item MDAP/MAIS Code:</b> N/A		

- Carriages Acquisition Procurement (CAP) is acquiring additional Operational Motor Carriages to sustain Minuteman III and complete transition to Sentinel. The Carriages are used to transport the Stage I, Stage II, and Stage III rocket motors. As it stands, the existing quantities will not be sufficient to sustain until Sentinel fully fields.
- Missile Transporter Acquisition Procurement (MTAP) is acquiring an additional 6 Missile Transporter Tractors and 6 Missile Transporter Trailers that are used to transport downstage between the depot and the missile wings. The additional MT's are to sustain MMIII through transition to Sentinel. As it stands the existing quantities will not be sufficient to sustain until Sentinel fully fields.

The FY 2024 funding request was reduced by 5.0 million to account for the availability of prior year execution balances.

Funding for this exhibit contained in PE 0101213F.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 3: Missile Replacement Equipment - Ballistic **P-1 Line Item Number / Title:** 00099L / Missile Replacement Eq-Ballistic

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0101213F

**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	Ballistic Missile Items Less Than \$5 Million				- / -	- / 10.233	- / 4.913	- / 11.505	- / -	- / 11.505
P-40a	Carriages Acq Procurement				- / -	- / -	- / -	- / 4.040	- / -	- / 4.040
P-40a	Missile Transporter Acquisition Procurement (MTAP)				- / -	- / -	- / -	- / 10.893	- / -	- / 10.893
P-40a	Payload Transporter Replacement (PTR)				- / -	- / 44.006	- / 46.388	- / 37.730	- / -	- / 37.730
P-40a	Perf Assess Data Sys Comm Equip Interface Unit (PADS CEIU II)				- / -	- / 8.308	- / 4.175	- / 5.151	- / -	- / 5.151
P-40a	Transporter Erector Replacement Program (TERP)				- / -	- / 2.891	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 65.438	- / 55.476	- / 69.319	- / -	- / 69.319

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

This program, Missile Replacement Eq-Ballistic P-40A Category LGM-30G Item LGM-30G Carriages Acq Procurement (CAP), is a new start.  
 This program, Missile Replacement Eq-Ballistic P-40A Category LGM-30G Item LGM-30G Missile Transporter Acquisition Procurement (MTAP), is a new start.

FY24 funding provides replacement support equipment items for an aging inventory of equipment which has become increasingly costly to maintain. These items will increase ballistic missile system reliability and maintainability by providing state-of-the-art maintenance repair and testing capability. The items are required to bridge the gap to the National Defense Strategy and National Military Strategy directed nuclear force modernization activities. Requirements are jointly determined by Headquarters United States Air Force (HQ USAF), Air Force Materiel Command (AFMC) and Air Force Global Strike Command (AFGSC) and are based on established allowance standards.

Items requested in FY24 are displayed on the attached P-40A. Items procured during execution may change based on critical equipment needed to support current and emerging Air Force mission requirements.

- Ballistic Missile Items Less Than 5 Million: Procured low cost support equipment required to sustain Minuteman III operations through fielding of the Sentinel Weapons System.
- PTR: FY24 funding will enable the award of a contract options to procure four PTRs.
- PADS CEIU: FY24 funding will be used to fund deployment to the three operational wings, the Strategic Missile Integration Center (SMIC), and VSBF.
- MTAP: FY24 funding will verify Technical Data Package, stand up Production lines, and order 2 assets.
- CAP: FY24 funding will verify Technical Data Package, stand up Production lines, and order 2 assets.

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force															<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 3						<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic						<b>Aggregated Items Title:</b> Ballistic Missile Items Less Than \$5 Million							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Various</b>																				
Various	A		-	-	-	-	-	10.233	-	-	4.913	-	-	11.505	-	-	-	-	-	11.505
<b>Subtotal: Various</b>			-	-	-	-	-	<b>10.233</b>	-	-	<b>4.913</b>	-	-	<b>11.505</b>	-	-	-	-	-	<b>11.505</b>
<b>Total</b>			-	-	-	-	-	<b>10.233</b>	-	-	<b>4.913</b>	-	-	<b>11.505</b>	-	-	-	-	-	<b>11.505</b>

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

**Remarks:**  
Support Equipment Less Than \$5M procures low cost new, modified or replacement support equipment, to include facilities and other equipment to support programmed depot maintenance capability activation.

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**Exhibit P-40a, Budget Item Justification For Aggregated Items:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 01 / 3 **P-1 Line Item Number / Title:** 00099L / Missile Replacement Eq-Ballistic **Aggregated Items Title:** Carriages Acq Procurement

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>LGM-30G</b>																				
LGM-30G Carriages Acq Procurement (CAP)	A		-	-	-	-	-	-	-	-	2.020	2	4.040	-	-	-	2.020	2	4.040	
<b>Subtotal: LGM-30G</b>			-	-	-	-	-	-	-	-	-	-	4.040	-	-	-	-	-	4.040	
<b>Total</b>			-	-	-	-	-	-	-	-	-	-	4.040	-	-	-	-	-	4.040	

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

**Remarks:**  
The Carriages are used to transport the Stage 1, Stage 2, and Stage 3 rocket motors. As it stands, the existing fielded quantities will not be sufficient to sustain MMIII until Sentinel is fully fielded.

FY24 funding will be used to verify Technical Data Package, stand up Production lines, and order 2 assets.

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force														<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 3							<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic							<b>Aggregated Items Title:</b> Missile Transporter Acquisition Procurement (MTAP)					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>LGM-30G</b>																				
LGM-30G Missile Transporter Acquisition Procurement (MTAP)	A		-	-	-	-	-	-	-	-	5.447	2	10.893	-	-	-	5.447	2	10.893	
<b>Subtotal: LGM-30G</b>			-	-	-	-	-	-	-	-	-	-	10.893	-	-	-	-	-	10.893	
<b>Total</b>			-	-	-	-	-	-	-	-	-	-	10.893	-	-	-	-	-	10.893	

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

**Remarks:**  
 MTAP is acquiring an additional 6 Missile Transporter (MT) Tractors and 6 MT Trailers that are used to transport downstage between the depot and the missile wings. Additional MT's are required to sustain MMIII through transition to Sentinel.  
 FY24 funding will verify Technical Data Package, stand up Production lines, and order 2 assets.



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**Exhibit P-40a, Budget Item Justification For Aggregated Items:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 01 / 3 **P-1 Line Item Number / Title:** 00099L / Missile Replacement Eq-Ballistic **Aggregated Items Title:** Payload Transporter Replacement (PTR)

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>LGM-30G</b>																				
LGM-30G Payload Transporter Replacement (PTR)	A		-	-	-	7.334	6	44.006	7.731	6	46.388	9.432	4	37.730	-	-	-	9.433	4	37.730
<b>Subtotal: LGM-30G</b>			-	-	-	-	-	<b>44.006</b>	-	-	<b>46.388</b>	-	-	<b>37.730</b>	-	-	-	-	-	<b>37.730</b>
<b>Total</b>			-	-	-	-	-	<b>44.006</b>	-	-	<b>46.388</b>	-	-	<b>37.730</b>	-	-	-	-	-	<b>37.730</b>

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

**Remarks:**

Description

Provides nuclear certified tractor and trailer to emplace, extract and transport the reentry system, Propulsion System Rocket Engine, and guidance systems. Replaces current payload transporter to meet United States Strategic Command (USSTRATCOM) security requirements and addresses supportability issues. PTR will update existing drawings, specifications, and technical orders to eliminate parts obsolescence and address the intended usage through fielding of Sentinel Weapons Systems.

Justification: FY24 funds will be used to produce four Payload Transporter Replacement units and associated program support costs (PSC).

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

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force															<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 3							<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic							<b>Aggregated Items Title:</b> Perf Assess Data Sys Comm Equip Interface Unit (PADS CEIU II)					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>LGM-30G</b>																				
Program Support Costs (PADS CEIU II)	A		-	-	-	-	-	-	-	-	0.960	-	-	1.034	-	-	-	-	-	1.034
Performance Assessment Data System Comm Equipment Interface Unit (PADS CEIU II)	A		-	-	-	0.286	29	8.308	-	-	3.215	-	-	4.117	-	-	-	-	-	4.117
<b>Subtotal: LGM-30G</b>			-	-	-	-	-	<b>8.308</b>	-	-	<b>4.175</b>	-	-	<b>5.151</b>	-	-	-	-	-	<b>5.151</b>
<b>Total</b>			-	-	-	-	-	<b>8.308</b>	-	-	<b>4.175</b>	-	-	<b>5.151</b>	-	-	-	-	-	<b>5.151</b>

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

**Remarks:**  
 Performance Assessment Data System (PADS) is used to collect and analyze Missile Guidance Computer (MGC) data, Launch Facility (LF) faults and anomalies, as well as LF security and Environmental Control System (ECS) data. PADS is a critical MM III legacy data system, developed in the late 1970s and redesigned in 1996-1999, using commercial software. This program addresses PADS reliability, by updating software to meet Air Force software security requirements and to conform to the Air Force standard desktop configuration.

PADS Communications Equipment Interface Unit (CEIU) is used to transmit MM III Inertial Measurement Unit (IMU) Performance Data (IPD) from the Launch Control Center (LCC) to the PADS at the support base via telephone lines. CEIU is unclassified equipment, but interfaces with both classified and non-classified systems. This program will update the current CEIU. The change to CEIU design will no longer utilize a modem but will instead use internet protocol (IP). Program will produce 29 updated CEIUs and will upgrade 48 LCCs with fiber optics.

Justification: FY24 will be used to deploy of PADS CEIU to the three operational wings, the SMIC, and VSFB.

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force														<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 3							<b>P-1 Line Item Number / Title:</b> 00099L / Missile Replacement Eq-Ballistic							<b>Aggregated Items Title:</b> Transporter Erector Replacement Program (TERP)					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>LGM-30G</b>																				
LGM-30G Transporter Erector Replacement Program (TERP)	A		-	-	-	-	-	2.891	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: LGM-30G</b>			-	-	-	-	-	<b>2.891</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>			-	-	-	-	-	<b>2.891</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**Remarks:**  
 Description: The Transporter Erector Replacement Program (TERP) replaces the current transporter erector used to emplace, extract and transport MM III boosters to and from launch facilities. TERP will update existing drawings, specifications and technical orders to eliminate parts obsolescence and address the intended usage through fielding of Sentinel.  
 Justification: No FY24 funding required. TERP estimated to complete in 4th quarter FY23.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles

**P-1 Line Item Number / Title:**  
MGBSD0 / Ground Based Strategic Deterrent

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0101233F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 493

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> )	-	-	-	-	-	-	-	43	56	56	479	634
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	0.000	-	0.000	0.000	6,276.861	6,962.675	6,175.791	41,252.826	60,668.153
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	0.000	0.000	0.000	-	0.000	0.000	541.755	505.940	3.220	0.000	1,050.915
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	0.000	-	0.000	0.000	5,735.106	6,456.735	6,172.571	41,252.826	59,617.238
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	8.895	0.000	539.300	-	539.300	502.720	0.000	0.000	0.000	0.000	1,050.915
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>8.895</b>	<b>0.000</b>	<b>539.300</b>	-	<b>539.300</b>	<b>502.720</b>	<b>5,735.106</b>	<b>6,456.735</b>	<b>6,172.571</b>	<b>41,252.826</b>	<b>60,668.153</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	151.744	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	145.974	124.333	110.282	86.123	95.691

**Description:**

This program is a New Start.

The Sentinel (GBSD) program has been designated as LGM-35A Sentinel. The Sentinel (GBSD) program will design, develop, produce, and deploy a replacement for the current Minuteman III (MM III) Intercontinental Ballistic Missile (ICBM) weapon system in order to maintain a safe, secure, reliable, and effective nuclear deterrent. The Sentinel (GBSD) program will deliver a fully integrated weapon system to lower lifecycle costs and to close key capability gaps and vulnerabilities identified in the Sentinel (GBSD) Capabilities Based Assessment, Sentinel (GBSD) Capabilities Development Document, and the Sentinel (GBSD) Analysis of Alternatives. Sentinel (GBSD) will also mitigate ground based deterrent degradation due to MM III component age-out and attrition. The end items for which the long lead items listed on the P-10 will be used to produce are fully funded in the BY budget.

The Air Force is developing a new Aerospace Vehicle Equipment (AVE) (flight system) for the Sentinel (GBSD) weapon system to replace the MM III flight system. The Sentinel (GBSD) AVE will consist of a boost propulsion subsystem, a post-boost propulsion subsystem, a guidance, navigation, and control (GN&C) subsystem, and a re-entry subsystem. The boost propulsion subsystem will be comprised of a 3-stage solid rocket booster. The Air Force is procuring the 3-stage rocket booster, interstage structures, and all associated test and support equipment. The post-boost propulsion subsystem will be comprised of a liquid-fueled rocket propulsion system integrated into a post-boost attitude control module (PBACM) structure, as well as all guidance, navigation, and control components. The Air Force is procuring the liquid fueled rocket propulsion system, post-boost attitude control module structure, the Guidance, Navigation, and Control (GN&C) system, and all the associated test and support equipment. The Air Force will also procure reentry systems including the payload deployment module and shroud.

The Air Force will convert MM III Launch Centers (LC) and Launch Facilities (LF) to the Sentinel (GBSD) weapon system configuration across three operational wings. The weapons system components required as part of the overall conversion are integral for the successful deployment of the weapon system. The Sentinel (GBSD) program will include prime contractor development of applicable support equipment, data, flight test hardware and infrastructure, and training systems material while examining and mitigating risk during the MM III to Sentinel (GBSD) transition. The support equipment may include, but is not limited to, the Engineering Units for the Transporter Erector, Payload Transporter, Missile Transporter, and Post Boost Altitude Control Module Transporter. This program includes any needed nuclear surety and certification and system vulnerability assessments. Additionally, the Sentinel (GBSD) program funds all required developmental and operational test and evaluation activities to meet initial and full operational capability milestones including, but not limited to, developing, improving, and modernizing test capabilities essential to reaching those milestones when existing test capabilities are inadequate or non-existent.

Milestone dates include Critical Design Review - May 2024, and Milestone C - May 2026. Milestone dates are subject to change due to acquisition strategy revisions.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles		<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0101233F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 493		
Funding for this exhibit is contained in PE 0101233F.		

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles **P-1 Line Item Number / Title:** MGBSD0 / Ground Based Strategic Deterrent

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0101233F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 493

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-5	Ground Based Strategic Deterrent	P-5a	B		- / -	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / -</b>	<b>- / 0.000</b>

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

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

**Justification:**  
 This program is a new start.

The program requires advance procurement funds in FY 2024 for long lead time parts associated with the Lot 1 procurement in FY 2026.

Note: The FY26 quantity in this doc does not reflect the program's updated FY26 quantity of 36. The program will update the quantity profile in the next budget cycle.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 4			<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent			<b>Item Number / Title [DODIC]:</b> Ground Based Strategic Deterrent		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	0.000	0.000	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	0.000	0.000	0.000	-	0.000
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	0.000	0.000	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	8.895	0.000	539.300	-	539.300
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	<b>8.895</b>	<b>0.000</b>	<b>539.300</b>	-	<b>539.300</b>
<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> )			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Sentinel (GBSD) Cost																		
Recurring Cost																		
Sentinel (GBSD)	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Sentinel (GBSD) Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 4			<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent					<b>Item Number / Title [DODIC]:</b> Ground Based Strategic Deterrent				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
<b>Advance Procurement</b>												
Sentinel (GBSD): Solid Rocket Motor (SRM) Material and Components		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jun 2024	Jun 2027	36	7.947	N	May 2026	
Sentinel (GBSD): Missile Guidance Computer		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jun 2024	Jun 2027	36	1.129	N	May 2026	
Sentinel (GBSD): LF - Mission Equipment, Modules & Materials		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jun 2024	Jun 2027	36	0.758	N	May 2026	
Sentinel (GBSD): Flexible Confined Detonating Cord (FCDC) Assembly		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jul 2024	Jun 2027	36	0.060	N	May 2026	
Sentinel (GBSD): IMU/NIMS Electronics (CCAs, ASICs)		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jun 2024	Jun 2027	36	1.420	N	May 2026	
Sentinel (GBSD): Guidance Computer Electronics		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Aug 2024	Jun 2027	36	2.779	N	May 2026	
Sentinel (GBSD): Velocity Subsystem Electronics (CCAs, Accelerometer)		2024	Northrop Grumman Sys Corp / El Segundo, CA	SS / CPIF	AFNWC	Jun 2024	Jun 2027	36	0.888	N	May 2026	

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles	<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent
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Program Elements for Code B Items: 0101233F	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 493

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
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	8.895	0.000	539.300	-	539.300	502.720	0.000	0.000	0.000	0.000	1,050.915
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	8.895	0.000	539.300	-	539.300	502.720	0.000	0.000	0.000	0.000	1,050.915
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>8.895</b>	<b>0.000</b>	<b>539.300</b>	-	<b>539.300</b>	<b>502.720</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,050.915</b>

**Description:**

This program is a New Start.

The Sentinel (GBSD) program has been designated as LGM-35A Sentinel. The Sentinel (GBSD) program will design, develop, produce, and deploy a replacement for the current Minuteman III (MM III) Intercontinental Ballistic Missile (ICBM) weapon system in order to maintain a safe, secure, reliable, and effective nuclear deterrent. The Sentinel (GBSD) program will deliver a fully integrated weapon system beginning in Fiscal Year 2029 to lower lifecycle costs and to close key capability gaps and vulnerabilities identified in the Sentinel (GBSD) Capabilities Based Assessment, Sentinel (GBSD) Capabilities Development Document, and the Sentinel (GBSD) Analysis of Alternatives. Sentinel (GBSD) will also mitigate ground based deterrent degradation due to MM III component age-out and attrition. The end items for which the long lead items listed on the P-10 will be used to produce are fully funded in the BY budget.

The Air Force is developing a new Aerospace Vehicle Equipment (AVE) (flight system) for the Sentinel (GBSD) weapon system to replace the MM III flight system. The Sentinel (GBSD) AVE will consist of a boost propulsion subsystem, a post-boost propulsion subsystem, a guidance, navigation, and control (GN&C) subsystem, and a re-entry subsystem. The boost propulsion subsystem will be comprised of a 3-stage solid rocket booster. The Air Force is procuring the 3-stage rocket booster, interstage structures, and all associated test and support equipment. The post-boost propulsion subsystem will be comprised of a liquid-fueled rocket propulsion system integrated into a post-boost attitude control module (PBACM) structure, as well as all guidance, navigation, and control components. The Air Force is procuring the liquid fueled rocket propulsion system, post-boost attitude control module structure, the Guidance, Navigation, and Control (GN&C) system, and all the associated test and support equipment. The Air Force will also procure reentry systems including the payload deployment module and shroud.

The Air Force will convert MM III Launch Centers (LC) and Launch Facilities (LF) to the Sentinel (GBSD) weapon system configuration across three operational wings. The weapons system components required as part of the overall conversion are integral for the successful deployment of the weapon system.

**Solid Rocket Motor (SRM) Material and Components which includes Air Vehicle (AVE) Booster and Post Boost Propulsion System (PBPS) and Flexible Confined Detonating Cord (FCDC) Assembly Long Lead Procurement:**

The advance procurement purchases ensure proper on-time system deployment. The Air Force is procuring Stage 1, 2, and 3 motors with associated subcomponent assemblies. The Air Force is procuring Stage 1 / 2 separation linear shaped charge and Stage 2 / 3 separation linear shaped charge as well as the stage 1, 2, and 3 thrust vector controls (TVC). Additionally, The Air Force is procuring the required PBPS subcomponents to include but not limited to the motors, propellant tanks, pressure tanks, valve injectors, harnesses, and gimbal ring forgings.

**Inertial Measurement Unit (IMU) and Navigation Inertial Measurement System (NIMS) Electronics Long Lead Procurement:**

The Air Force is developing an Inertial Measurement Unit (IMU) for the Sentinel (GBSD) weapon system. Northrop Grumman is the design agent responsible for the design, development, test, and qualification of the IMU. The advance procurement purchases the IMU's and NIMS long lead items to ensure proper development and support on-time system deployment. Additionally, circuit card assembly (CCAs), application-specific integrated circuits (ASICs), Velocity Subsystems and accelerometer long lead hardware will be purchased. The advance procurement will include the purchase of critical radiation hardened parts.

**Missile Guidance Computer (MGC) and Guidance Computer Electronics Long Lead Procurement:**

The Air Force is developing a Missile Guidance Computer (MGC) for the Sentinel (GBSD) weapon system. Northrop Grumman is the design agent responsible for the design, development, test, and qualification of the MGC. The advance procurement purchases the MGC and electronics long lead items to ensure proper development and support on-time system deployment. The advance procurement will include the purchase of critical radiation hardened parts.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles	<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent	
<b>Program Elements for Code B Items:</b> 0101233F	<b>Other Related Program Elements:</b> N/A	
<b>Line Item MDAP/MAIS Code:</b> 493		

Weapon System Structures (LF/LC/ICC) Procurement: Operational Launch Facilities (LF), Launch Centers (LC), and Integrated Command Center (ICC) will begin construction after Milestone C approval and will use Procurement and MILCON funding. The weapon system and real property demarcation of each will be determined by Sentinel (GBSD) Critical Design Review (CDR) to fully identify weapon system and real property and fund each as appropriate. This request includes launch facility mission equipment module and materials.

The Sentinel (GBSD) program will include prime contractor development of applicable support equipment, data, flight test hardware and infrastructure, and training systems material while examining and mitigating risk during the MM III to Sentinel (GBSD) transition. The support equipment may include but not limited to the Engineering Units for the Transporter Erector, Payload Transporter, Missile Transporter, and Post Boost Altitude Control Module Transporter. This program includes any needed nuclear surety certification activities and system vulnerability assessments. Additionally, the Sentinel (GBSD) program funds all required developmental and operational test and evaluation activities to meet initial and full operational capability milestones including, but not limited to, developing, improving and modernizing test capabilities essential to reaching those milestones when existing test capabilities are inadequate or non-existent.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 01: Ballistic Missiles / BSA 4: Ballistic Missiles	<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent
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<b>Program Elements for Code B Items:</b> 0101233F	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** 493

Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	Ground Based Strategic Deterrent			- / -	- / 8.895	- / 0.000	- / 539.300	- / -	- / 539.300
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			- / -	- / 8.895	- / 0.000	- / 539.300	- / -	- / 539.300

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

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

**Justification:**  
 Sentinel (GBSD) program advance procurement requirements such as, but not limited to, Solid Rocket Motor material and components, Inertial Measurement Unit (IMU) Electronics, Navigation Inertial Measurement System (NIMS) electronics, Circuit Card Assembly (CCA) and Application-Specific Integrated Circuit (ASIC), Flexible Confined Detonating Cord (FCDC) Missile Guidance Computer (MGC) and Electronics, Accelerometer, Booster and Post Boost Propulsion System (PBPS), and Weapon System Structures (LF/LC/CSB/ICC) equipment, modules, and material.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Air Force					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 4			<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent			<b>P-5 Number / Title:</b> Ground Based Strategic Deterrent	
<b>First System (2024) Award Date:</b> June 2024		<b>First System (2024) Completion Date:</b> June 2028			<b>Interval Between Systems:</b> 0 Months		
<b>Ground Based Strategic Deterrent</b>		<b>Production Leadtime</b> <i>(Months)</i>	<b>Prior Years</b> <i>(Each)</i>	<b>FY 2022</b> <i>(Each)</i>	<b>FY 2023</b> <i>(Each)</i>	<b>FY 2024</b> <i>(Each)</i>	
Quantity		30	-	-	-	-	
<b>Cost Elements</b>		<b>When Required</b> <i>(Months)</i>	<b>Prior Years</b> <i>(\$ M)</i>	<b>FY 2022</b> <i>(\$ M)</i>	<b>FY 2023</b> <i>(\$ M)</i>	<b>FY 2024</b> <i>(\$ M)</i>	
<b>GFE</b>							
Sentinel (GBSD): KS-75 Cryptographic device		24	-	8.895	-	-	
Sentinel (GBSD): Solid Rocket Motor (SRM) Material and Components <sup>(†)</sup>		30	-	-	-	286.095	
Sentinel (GBSD): Missile Guidance Computer <sup>(†)</sup>		30	-	-	-	40.633	
Sentinel (GBSD): LF - Mission Equipment, Modules & Materials <sup>(†)</sup>		30	-	-	-	27.300	
Sentinel (GBSD): Flexible Confined Detonating Cord (FCDC) Assembly <sup>(†)</sup>		29	-	-	-	2.164	
Sentinel (GBSD): IMU/NIMS Electronics (CCAs, ASICs) <sup>(†)</sup>		30	-	-	-	51.114	
Sentinel (GBSD): Guidance Computer Electronics <sup>(†)</sup>		28	-	-	-	100.037	
Sentinel (GBSD): Velocity Subsystem Electronics (CCAs, Accelerometer) <sup>(†)</sup>		30	-	-	-	31.957	
Sentinel (GBSD): On-board Testing Equipment		24	-	-	-	0.000	
Sentinel (GBSD): ICC - Mission Equipment		24	-	-	-	0.000	
Sentinel (GBSD): Support Equipment		24	-	-	-	0.000	
Sentinel (GBSD): LC - Mission Equipment and Materials		24	-	-	-	0.000	
<i>Total: GFE</i>			-	8.895	-	539.300	
<b>Total Advance Procurement/Obligation Authority</b>			-	<b>8.895</b>	<b>0.000</b>	<b>539.300</b>	

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**Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 01 / 4	<b>P-1 Line Item Number / Title:</b> MGBSD0 / Ground Based Strategic Deterrent	<b>P-5 Number / Title:</b> Ground Based Strategic Deterrent
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Cost Elements	QPA <i>(Each)</i>	FY 2024					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	
<b>GFE</b>							
Sentinel (GBSD): KS-75 Cryptographic device	-						-
Sentinel (GBSD): Solid Rocket Motor (SRM) Material and Components <sup>(†)</sup>	1	30	7.947	Jun 2024	36	2026	286.095
Sentinel (GBSD): Missile Guidance Computer <sup>(†)</sup>	1	30	1.129	Jun 2024	36	2026	40.633
Sentinel (GBSD): LF - Mission Equipment, Modules & Materials <sup>(†)</sup>	1	30	0.758	Jun 2024	36	2026	27.300
Sentinel (GBSD): Flexible Confined Detonating Cord (FCDC) Assembly <sup>(†)</sup>	1	29	0.060	Jul 2024	36	2026	2.164
Sentinel (GBSD): IMU/NIMS Electronics (CCAs, ASICs) <sup>(†)</sup>	1	30	1.420	Jun 2024	36	2026	51.114
Sentinel (GBSD): Guidance Computer Electronics <sup>(†)</sup>	1	28	2.779	Aug 2024	36	2026	100.037
Sentinel (GBSD): Velocity Subsystem Electronics (CCAs, Accelerometer) <sup>(†)</sup>	1	30	0.888	Jun 2024	36	2026	31.957
Sentinel (GBSD): On-board Testing Equipment	-						0.000
Sentinel (GBSD): ICC - Mission Equipment	-						0.000
Sentinel (GBSD): Support Equipment	-						0.000
Sentinel (GBSD): LC - Mission Equipment and Materials	-						0.000
<i>Total: GFE</i>							<b>539.300</b>
<b>Total Advance Procurement/Obligation Authority</b>							<b>539.300</b>

**Description:**  
Sentinel (GBSD) program advance procurement requirements such as, but not limited to, Solid Rocket Motor material and components, Inertial Measurement Unit (IMU) Electronics, Navigation Inertial Measurement System (NIMS) electronics, Circuit Card Assembly (CCA) and Application-Specific Integrated Circuit (ASIC), Flexible Confined Detonating Cord (FCDC) Missile Guidance Computer (MGC) and Electronics, Accelerometer, Booster and Post Boost Propulsion System (PBPS), and Weapon System Structures (LF/LC/CSB/ICC) equipment, modules, and material.

GFE Categories with a zero FY24 allocation have funding allocations in prior or future fiscal years.

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 1: Strategic **P-1 Line Item Number / Title:** MLRSO1 / Long Range Stand-Off Weapon

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0101238F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 489

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	31.454	66.816	-	66.816	135.218	295.087	1,073.038	1,682.164	6,485.740	9,769.517
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	31.454	66.816	-	66.816	135.218	295.087	1,073.038	1,682.164	6,485.740	9,769.517
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>31.454</b>	<b>66.816</b>	-	<b>66.816</b>	<b>135.218</b>	<b>295.087</b>	<b>1,073.038</b>	<b>1,682.164</b>	<b>6,485.740</b>	<b>9,769.517</b>

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

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

**Description:**

The purpose of this program is to conduct and support United States Air Force (USAF) and Joint Department of Defense (DoD) / Department of Energy (DOE) acquisition activities for the modernization of nuclear weapons.

The Long Range Stand Off (LRSO) Cruise Missile is a long range survivable stand-off weapon capable of delivering lethal nuclear effect on strategic targets. LRSO will replace the currently fielded Air Launched Cruise Missile (ALCM) and will be integrated on both legacy and future bomber aircraft. The LRSO weapon system will be capable of penetrating and surviving advanced Integrated Air Defense Systems (IADS) from significant stand-off range to prosecute strategic targets in support of the Air Force's global attack capability and strategic deterrence core function.

Threshold and objective aircraft are defined in the program's Capabilities Development Document (CDD) approved by the Joint Requirements Oversight Council (JROC) August 2020.

Funds may be used to address emerging or short-notice Diminishing Manufacturing and Material Shortage (DMSMS), and supply chain issues.

The program is conducting Engineering and Manufacturing Development tasks to validate requirements to support Development and Operational Testing and Production Readiness.

The LRSO program will include prime contractor development and production/delivery of applicable support equipment, data, flight test hardware and infrastructure, and training systems while examining and mitigating risk during the ALCM to LRSO transition.

The program includes necessary nuclear surety and certification activities, and vulnerability assessments.

FY2023-2026 procurement funds will be used to purchase ancillary equipment, warhead support equipment and field trainers required to be in place for Initial Nuclear Surety Inspection (INSI). The INSI must be accomplished prior to fielding the weapon system and attaining Initial Operational Capability.

The Milestone C decision is planned in 3QFY2027, followed by Low Rate Initial Production contract award.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 1: Strategic **P-1 Line Item Number / Title:** MLRSO1 / Long Range Stand-Off Weapon

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0101238F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 489

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-5	Long Range Stand-Off Weapon		B		- / -	- / 0.000	- / 31.454	- / 66.816	- / -	- / 66.816
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 31.454</b>	<b>- / 66.816</b>	<b>- / -</b>	<b>- / 66.816</b>

\*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 LRSO program has achieved Milestone B and has entered Engineering and Manufacturing Development (EMD). It is conducting EMD tasks aimed at meeting validated requirements prior to production initiation and includes necessary nuclear surety and certification activities, and vulnerability assessments.

FY2023-2026 procurement funds will be used to purchase ancillary equipment, warhead support equipment and field trainers required to be in place for initial Nuclear Surety Inspection (INSI); the Air Force will make a Life-of-Program Buy for these support equipment items as they will be manufactured in a single production run.

The INSI must be accomplished prior to fielding the weapon system and attaining Initial Operational Capability. Funds procure backbone infrastructure hardware and associated software. Additional detailed information is classified and can be provided at higher classification levels. For further information, please contact SAF/AQPN.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 1				<b>P-1 Line Item Number / Title:</b> MLRSO1 / Long Range Stand-Off Weapon			<b>Item Number / Title [DODIC]:</b> Long Range Stand-Off Weapon		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )				-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-	0.000	31.454	66.816	-	66.816
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-	0.000	31.454	66.816	-	66.816
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-	<b>0.000</b>	<b>31.454</b>	<b>66.816</b>	-	<b>66.816</b>
<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> )				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Ancillary Equipment - Long Range Stand-Off Weapon Cost																		
Non Recurring Cost																		
Warhead Trainers	-	-	-	-	-	0.000	-	-	31.454	-	-	38.293	-	-	-	-	-	38.293
Missile Trainers	-	-	-	-	-	-	-	-	-	-	-	28.523	-	-	-	-	-	28.523
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	31.454	-	-	66.816	-	-	-	-	-	66.816
<i>Subtotal: Ancillary Equipment - Long Range Stand-Off Weapon Cost</i>	-	-	-	-	-	0.000	-	-	31.454	-	-	66.816	-	-	-	-	-	66.816
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	31.454	-	-	66.816	-	-	-	-	-	66.816

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** 222000 / Replac Equip & War Consumables

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

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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	7.681	30.510	37.318	-	37.318	6.523	12.489	11.723	1.514	-	107.758
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	7.681	30.510	37.318	-	37.318	6.523	12.489	11.723	1.514	-	107.758
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>7.681</b>	<b>30.510</b>	<b>37.318</b>	-	<b>37.318</b>	<b>6.523</b>	<b>12.489</b>	<b>11.723</b>	<b>1.514</b>	-	<b>107.758</b>

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

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

**Description:**

Common Munitions BIT Reprogramming Equipment (CMBRE) Service Life Extension Program (SLEP) is a critical program replacing a legacy system fielded in the 1990s utilizing floppy drives and a DOS/Win XP operating system. The CMBRE SLEP program will mitigate the effects and risk associated with a growing list of 20+ obsolete components, outdated technology, and insufficient cybersecurity outlined in Red Team and POA&M findings in order to sustain current capabilities. CMBRE SLEP will effectively support the 20+ smart munitions and weapon systems currently fielded for the warfighter today, as well as advanced systems currently in development. CMBRE SLEP is needed to verify weapons built-in test status, reprogram operational flight data, and up/download mission and GPS data.

**Cruise Missile Automatic Test System (CM-ATS)**

The CM-ATS is a nuclear certified tester designed to test the AGM-86 Cruise Missile fleet, the B-2 RLA, and associated Carrier Aircraft Equipment (CAE) used to launch missiles.

The BY funding request was reduced by \$.950 million to account for the availability of prior year execution balances

Funding for this exhibit is contained in PE 0701212F.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** 222000 / Replac Equip & War Consumables

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

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

Exhibits Schedule					Prior Years	FY 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	Replac Equip & War Consumables				- / -	- / 7.681	- / 30.510	- / 37.318	- / -	- / 37.318
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 7.681</b>	<b>- / 30.510</b>	<b>- / 37.318</b>	<b>- / -</b>	<b>- / 37.318</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**  
 FY2024 funds are required for the Common Munitions BIT Reprogramming Equipment (CMBRE) Service Life Extension Program (SLEP) and the Cruise Missile Automatic Test System (CM-ATS).  
 Funds will be used to procure and recapitalize the ATS Product Group which consists of: Armament and Stores ATS and Software Loader/Verifier and Built-in-Test ATS to include proven commercial and/or Government off-the-shelf ATS to replace legacy and obsolete systems to ensure persistent logistics and enable agile combat employment.  
 Funds are required in order to upgrade the CMBRE and CM-ATS system. CMBRE is comprised of three major components that must be replaced: Digital Computer System Assembly (DCSA), Test Adapter Unit (TAU), and ADU. There will be no test capability for smart munitions and Bomber Rack Unit, BRU-61, for fighter aircraft if upgrades are not complete.  
 CMBRE Tester is used to initiate built-in test (BIT), reprogram the Operational Flight Programs (OFPs) for MIL-STD-1760/Non-1760 smart bombs and missiles, upload mission planning, and upload/download Global Positioning System (GPS) crypto keys.  
 CMBRE SLEP breaks vendor lock, allowing the Government to own full data rights and the technical data package (TDP). It also addresses obsolescence and cyber security issues.  
 The CM-ATS is a nuclear certified tester designed to test the AGM-86 Cruise Missile fleet, the B-2 Rotary Launcher Assembly (RLA), and associated Carrier Aircraft Equipment (CAE) used to launch missiles.

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** 222000 / Replac Equip & War Consumables **Aggregated Items Title:** Replac Equip & War Consumables

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>COMMON MUNITIONS BIT REPROGRAMMING EQUIPMENT SERVICE LIFE EXTENSION PROGRAM</b>																				
DCSA PRODUCTION UNITS	A		-	-	-	-	-	0.181	0.057	300	17.100	0.077	338	26.057	-	-	-	0.077	338	26.057
Munition Application Program (MAPs)	A		-	-	-	1.500	5	7.500	1.500	6	9.000	1.408	8	11.261	-	-	-	1.408	8	11.261
ICS	A		-	-	-	-	-	-	-	-	4.410	-	-	-	-	-	-	-	-	-
<b>Subtotal: COMMON MUNITIONS BIT REPROGRAMMING EQUIPMENT SERVICE LIFE EXTENSION PROGRAM</b>			-	-	-	-	-	<b>7.681</b>	-	-	<b>30.510</b>	-	-	<b>37.318</b>	-	-	-	-	-	<b>37.318</b>
<b>Total</b>			-	-	-	-	-	<b>7.681</b>	-	-	<b>30.510</b>	-	-	<b>37.318</b>	-	-	-	-	-	<b>37.318</b>

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

**Remarks:**

FY22 funding was obligated for the Munition Application Program (MAP) for Wind Corrected Munition Dispenser (WCMD) as well as the procurement of 30 SLEP Digital Computer System Assemblies (DCSAs) and MAP support kits. FY21 funds was obligated for building 14 CMBRE SLEP Test Adapter Units (TAUs) and will be obligated for MAPs for JASSM-A, JASSM-ER and JASSM B-2 and the Miniature Air Launched Dispenser (MALD). FY23 will be obligated for MAPs for PAVEWAY, JSOW, LRASM, and MOP and necessary costs associated with the CMBRE and Cruise Missile ATS Programs.

FY23 funds will be used to procure and recapitalize the ATS Product Group which consists of: Armament and Stores ATS and Software Loader/Verifier and Built-in-Test ATS to include proven commercial and/or Government off-the-shelf ATS to replace legacy and obsolete systems to ensure persistent logistics and enable agile combat employment.

Common Munitions BIT Reprogramming Equipment (CMBRE) Service Life Extension Program (SLEP) is used to initiate BIT and reprogram MIL-STD-1760/Non-1760 smart bombs and missiles.

Provides BIT status, upload/download and verification of applicable software including:

Operational Flight Programs (OFPs), mission planning and/or Global Positioning System (GPS) crypto keys, preflight of smart munitions.

The Cruise Missile - Automatic Test System is a nuclear certified tester designed to test the AGM-86 Cruise Missile fleet, the B-2 RLA, and associated Carrier Aircraft Equipment (CAE) used to launch missiles.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile

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

**Line Item MDAP/MAIS Code:** 555

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> )	8,512	525	550	550	-	550	550	542	540	554	-	12,323
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,112.275	710.550	784.971	915.996	-	915.996	1,045.478	1,002.131	1,009.959	1,031.485	-	11,612.845
Less PY Advance Procurement ( <i>\$ in Millions</i> )	0.000	-	0.000	0.000	-	0.000	222.418	182.418	182.418	182.418	0.000	769.672
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,112.275	710.550	784.971	915.996	-	915.996	823.060	819.713	827.541	849.067	-	10,843.173
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	0.000	0.000	0.000	769.672	-	769.672	0.000	0.000	0.000	0.000	0.000	769.672
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>5,112.275</b>	<b>710.550</b>	<b>784.971</b>	<b>1,685.668</b>	<b>-</b>	<b>1,685.668</b>	<b>823.060</b>	<b>819.713</b>	<b>827.541</b>	<b>849.067</b>	<b>-</b>	<b>11,612.845</b>

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

Initial Spares ( <i>\$ in Millions</i> )	2.100	0.442	0.469	0.482	-	0.482	0.490	0.496	0.505	0.516	-	5.500
Flyaway Unit Cost ( <i>\$ in Millions</i> )	0.487	1.083	1.211	1.365	-	1.365	-	-	-	-	-	0.498
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	0.601	1.353	1.427	1.665	-	1.665	1.901	1.849	1.870	1.862	-	0.942

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields.

The Joint Air-to-Surface Standoff Missile (JASSM) is an ACAT 1C program. This program provides a long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. The JASSM family of missiles includes: JASSM Baseline (JASSM-BL/AGM-158A) and JASSM Extended Range (JASSM-ER/AGM-158B, JASSM-ER/AGM-158B-2, JASSM-ER/AGM-158B-3, and JASSM-ER/AGM-158D).

The AGM-158A and B are fielded and the AGM-158B-2, B-3, and D are in development. The variants in development will be gradually inserted into the production line as a new missile build once ready. DD-250'd missiles will not be returned for modification to the newest variant.

The AGM-158B-2 resulted after the wing restructure. AGM-158B-2 replaces obsolete components and provides a new electronic fuze, a new Global Positioning System (GPS) receiver, an upgraded Missile Control Unit (MCU), and enhanced software. AGM-158B-2 will begin a gradual production cut-in starting in Lot 19/FY21 funding year. AGM-158B-3 provides M-code capability. AGM-158B-3 will begin a gradual production cut-in starting in Lot 21/FY23 funding year. AGM-158D provides Weapon Data Link (WDL) capability to re-target the missile, post-launch, against relocatable or higher priority targets during mission execution. AGM-158D was originally planned for a Lot 20/FY22 cut-in but has slipped 2 years to Lot 22/FY24 funding year to support joint interoperability requirements. Efforts also include, but are not limited to, production cut-in of alternate communication methods, architectures and waveforms to advance missile capabilities against emerging targets.

FY24 Procurement fully funds the 22nd production lot for the JASSM Program as well as AGM-158D Low Rate Initial Production (LRIP), provides advanced procurement for Lot 23, and Economic Order Quantities for Lots 22-26 under the MYP strategy. FY23 Procurement funds the 21st production lot for the JASSM program as well as AGM-158B-3 LRIP. FY22 Procurement funded the 20th production lot for the JASSM program.

Threshold aircraft is the B-1 and the objective aircrafts are the B-52, F-16, B-2, F-15E, and F-35. Aircraft integration for JASSM-BL is complete on the B-52H, F-16 (Block 40-52), B-1, B-2, and F-15E. Aircraft integration for JASSM-ER/AGM-158B is complete on the B-1, B-2, F-15E, F-16 (Block 40-52), and B-52. JASSM Lots 1 - 10 are covered under an Original Equipment Manufacture (OEM) warranty. Lots 11 and

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical		<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 555		
<p>beyond are covered under a Contractor Logistics Support (CLS) contract, and missile initial/replenishment spares program funds are required to fill the spare parts pipeline under this program. Procurement quantities are estimates only and fall within a range of quantities based on negotiations for each specific lot contract.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. The program also plans to use funds to address obsolescence issues and reliability improvement, including flight testing, through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacity.</p> <p>Funding and quantity information prior to FY2017 is identified in P-1 line Item 654515. Funding for this exhibit is contained in PE 0207325F.</p>		

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile

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

**Line Item MDAP/MAIS Code:** 555

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-5	Joint Air-Surface Standoff Missile	P-5a, P-21	A		8,512 / 5,112.275	525 / 710.550	550 / 784.971	550 / 915.996	- / -	550 / 915.996
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>8,512 / 5,112.275</b>	<b>525 / 710.550</b>	<b>550 / 784.971</b>	<b>550 / 915.996</b>	<b>- / -</b>	<b>550 / 915.996</b>

\*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:**  
Full funding for every end item requesting advance procurement is included in the budget submission.

FY2024 funding totals include 915.996M to procure 550 missiles.

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 3069 BUY-TO-BUDGET ACQUISITION.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>											<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile					<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>									
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	
Procurement Quantity (Units in Each)				8,512		525		550		550		-		550	
Gross/Weapon System Cost (\$ in Millions)				5,112.275		710.550		784.971		915.996		-		915.996	
Less PY Advance Procurement (\$ in Millions)				0.000		-		0.000		0.000		-		0.000	
Net Procurement (P-1) (\$ in Millions)				5,112.275		710.550		784.971		915.996		-		915.996	
Plus CY Advance Procurement (\$ in Millions)				0.000		0.000		0.000		769.672		-		769.672	
<b>Total Obligation Authority (\$ in Millions)</b>				<b>5,112.275</b>		<b>710.550</b>		<b>784.971</b>		<b>1,685.668</b>		<b>-</b>		<b>1,685.668</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)				2.100		0.442		0.469		0.482		-		0.482	
Gross/Weapon System Unit Cost (\$ in Millions)				0.601		1.353		1.427		1.665		-		1.665	

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway - Flyaway End Item Cost</b>																		
Recurring Cost																		
AGM-158B	1.112	2,370	2,636.366	0.989	280	276.861	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Engineering Change Orders/ Tooling/Equipment Maintenance/Repairs/ M&S Support	-	-	44.045	-	-	16.772	-	-	11.659	-	-	31.310	-	-	-	-	-	31.310
AGM-158B-2 <sup>(†)</sup>	1.216	40	48.634	1.123	245	275.135	1.195	510	609.363	1.222	330	403.370	-	-	-	1.222	330	403.370
AGM-158D <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.672	100	167.160	-	-	-	1.672	100	167.160
AGM-158B-3 <sup>(†)</sup>	-	-	-	-	-	-	1.126	40	45.037	1.242	120	148.990	-	-	-	1.242	120	148.990
AGM-158A	0.698	2,034	1,420.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	4,149.083	-	-	568.768	-	-	666.059	-	-	750.830	-	-	-	-	-	750.830
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	4,149.083	-	-	568.768	-	-	666.059	-	-	750.830	-	-	-	-	-	750.830
<b>Support - Joint Air-Surface Standoff Missile Cost</b>																		
Program Support Costs (PSC) Contractor Services	-	-	61.274	-	-	4.461	-	-	4.580	-	-	4.820	-	-	-	-	-	4.820
Program Support Costs (PSC) Other Government Costs	-	-	31.181	-	-	1.651	-	-	1.653	-	-	4.210	-	-	-	-	-	4.210
Test Support/Reliability/Obsolescence	-	-	566.710	-	-	94.177	-	-	81.248	-	-	70.786	-	-	-	-	-	70.786
Prime Contractor Support	-	-	143.586	-	-	11.751	-	-	12.064	-	-	8.350	-	-	-	-	-	8.350

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile						<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Facilitization	-	-	140.657	-	-	-	-	-	-	-	-	77.000	-	-	-	-	-	77.000
New Factory/Ramp-up	-	-	19.784	-	-	29.742	-	-	19.367	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Joint Air-Surface Standoff Missile Cost</i>	-	-	<b>963.192</b>	-	-	<b>141.782</b>	-	-	<b>118.912</b>	-	-	<b>165.166</b>	-	-	-	-	-	<b>165.166</b>
<b>Gross/Weapon System Cost</b>	<b>0.601</b>	<b>8,512</b>	<b>5,112.275</b>	<b>1.353</b>	<b>525</b>	<b>710.550</b>	<b>1.427</b>	<b>550</b>	<b>784.971</b>	<b>1.665</b>	<b>550</b>	<b>915.996</b>	-	-	-	<b>1.665</b>	<b>550</b>	<b>915.996</b>

**Remarks:**

FY24 prime contractor funding supports engineering practices to increase producibility, capability, and affordability, and to improve engineering and manufacturing processes of existing and future units when applicable. 77M received for Defense Industrial Base (DIB) Expansion to increase production capacity for JASSM.

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

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AGM-158B-2 <sup>(†)</sup>		2022	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Mar 2023	Feb 2025	245	1.123	Y		Jun 2021
AGM-158B-2 <sup>(†)</sup>		2023	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Mar 2023	Feb 2026	510	1.195	Y		Jun 2022
AGM-158B-2 <sup>(†)</sup>		2024	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Jun 2024	Feb 2027	330	1.222	Y		Jun 2023
AGM-158D <sup>(†)</sup>		2024	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Aug 2025	Feb 2027	100	1.672	Y		Jun 2023
AGM-158B-3 <sup>(†)</sup>		2023	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Jul 2024	Feb 2026	40	1.126	Y		Jun 2022
AGM-158B-3		2024	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Jul 2025	Feb 2027	120	1.242	Y		Jun 2023

<b>Advance Procurement</b>												
AGM-158B-2		2024	Lockheed Martin / Troy, Alabama	SS / FFP	AFLCMC/PK Eglin AFB, FL	Jun 2024	Feb 2027	550	1.399	Y		Jun 2023

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
The variants in development will be gradually inserted into the production line as a new missile build once ready. DD-250'd missiles will not be returned for modification to the newest variant.

The Lot 20 contract was awarded in November 2021 for 525 AGM-158Bs. A contract modification to change 245 of the AGM-158B missiles to AGM-158B-2 is projected in March 2023.

The Lot 21 contract is projected to award in March 2023 for 550 AGM-158B-2s. A contract modification to change 40 of the AGM-158B-2 missiles to AGM-158B-3 is projected in July 2024. AGM-158B-3 is required to meet congressional M-code mandate.

The Lot 22 contract is projected to award in June 2024 for 550 AGM-158B-2s. A contract modification to change 120 of the AGM-158B-2 missiles to AGM-158B-3 is projected in July 2025. A contract modification to change 100 of the AGM-158B-2 missiles to AGM-158D is projected in August 2025.

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE
O C O #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AGM-158B-2																														
Prior Years Deliveries: 40																														
1	2022	AF	245	0	245																								245	
1	2023	AF	510	0	510																								510	
1	2024	AF	330	0	330																								330	
AGM-158D																														
2	2024	AF	100	0	100																								100	
AGM-158B-3																														
3	2023	AF	40	0	40																								40	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
AGM-158B-2																																			
Prior Years Deliveries: 40																																			
	1	2022	AF	245	0	245	-	-	-	-	19	20	20	20	20	20	21	21	21	21	21												0		
	1	2023	AF	510	0	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	42	42	42	42	42	42	43	43	172			
	1	2024	AF	330	0	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330				
AGM-158D																																			
	2	2024	AF	100	0	100													A	-	-	-	-	-	-	-	-	-	-	-	100				
AGM-158B-3																																			
	3	2023	AF	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	16			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile **Item Number / Title [DODIC]:** Joint Air-Surface Standoff Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028										B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P			
AGM-158B-2																																		
Prior Years Deliveries: 40																																		
	1	2022	AF	245	245	0																												
	1	2023	AF	510	338	172	43	43	43	43																								
	1	2024	AF	330	0	330	-	-	-	-	27	27	27	27	27	27	28	28	28	28	28	28												
AGM-158D																																		
	2	2024	AF	100	0	100	-	-	-	-	8	8	8	8	8	8	8	8	8	9	9	9	9											
AGM-158B-3																																		
	3	2023	AF	40	24	16	4	4	4	4																								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Lockheed Martin - Troy, Alabama	56	56	330	0	0	0	0	0	0	9	32	41
2	Lockheed Martin - Troy, Alabama	50	50	360	0	23	18	41	0	0	0	0	0
3	Lockheed Martin - Troy, Alabama	120	120	120	0	0	0	0	0	0	22	19	41

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

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile
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Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 555

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
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.000	0.000	769.672	-	769.672	0.000	0.000	0.000	0.000	0.000	769.672
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.000	0.000	769.672	-	769.672	0.000	0.000	0.000	0.000	0.000	769.672
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>769.672</b>	<b>-</b>	<b>769.672</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>769.672</b>

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile

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

**Line Item MDAP/MAIS Code:** 555

Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	Joint Air-Surface Standoff Missile			8,512 / 0.000	525 / 0.000	550 / 0.000	550 / 769.672	- / -	550 / 769.672
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>8,512 / 0.000</b>	<b>525 / 0.000</b>	<b>550 / 0.000</b>	<b>550 / 769.672</b>	<b>- / -</b>	<b>550 / 769.672</b>

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

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

**Justification:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Air Force					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile			<b>P-5 Number / Title:</b> Joint Air-Surface Standoff Missile	
<b>First System (2024) Award Date:</b> June 2024		<b>First System (2024) Completion Date:</b> February 2027			<b>Interval Between Systems:</b> 1 Months		
<b>Joint Air-Surface Standoff Missile</b>		<b>Production Leadtime</b> <i>(Months)</i>	<b>Prior Years</b> <i>(Each)</i>	<b>FY 2022</b> <i>(Each)</i>	<b>FY 2023</b> <i>(Each)</i>	<b>FY 2024</b> <i>(Each)</i>	
Quantity		33	8,512	525	550	550	
<b>Cost Elements</b>		<b>When Required</b> <i>(Months)</i>	<b>Prior Years</b> <i>(\$ M)</i>	<b>FY 2022</b> <i>(\$ M)</i>	<b>FY 2023</b> <i>(\$ M)</i>	<b>FY 2024</b> <i>(\$ M)</i>	
<b>EOQ</b>							
AGM-158B-2 (†)		33	-	-	-	769.672	
<i>Total: EOQ</i>			-	-	-	769.672	
<b>Total Advance Procurement/Obligation Authority</b>			<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>769.672</b>	

**UNCLASSIFIED**

<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile			<b>P-5 Number / Title:</b> Joint Air-Surface Standoff Missile	
			<b>FY 2024</b>				
<b>Cost Elements</b>	<b>QPA</b> <i>(Each)</i>	<b>Production Leadtime</b> <i>(Months)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Contract Forecast Date</b>	<b>2024 Qty</b> <i>(Each)</i>	<b>For FY</b>	<b>Total Cost Request</b> <i>(\$ M)</i>
<b>EOQ</b>							
AGM-158B-2 <sup>(t)</sup>	-	33	1.399	Jun 2024	550		769.672
<i>Total: EOQ</i>							769.672
<b>Total Advance Procurement/Obligation Authority</b>							<b>769.672</b>

**Description:**  
 In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

**\*\*Note - EOQ was calculated as 15% of the Procurement Funding associated with a MYP contract beginning with a contract award in FY24 and culminating in FY28. The EOQ funding is NOT calculated using a single year procurement quantity or funding amount. FY24 funding total of \$769.672M includes \$729.672M for EOQ financing for Lots 22-26 and \$40.000M to procure long lead time parts for Lot 23.**

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** JSM000 / Joint Strike Missile

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

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

Resource Summary	Prior Years	FY 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> )	-	-	-	48	-	48	50	54	57	59	-	268
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	161.011	-	161.011	165.593	166.700	174.535	179.303	-	847.142
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	161.011	-	161.011	165.593	166.700	174.535	179.303	-	847.142
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.000</b>	<b>161.011</b>	-	<b>161.011</b>	<b>165.593</b>	<b>166.700</b>	<b>174.535</b>	<b>179.303</b>	-	<b>847.142</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	3.140	-	3.140	3.312	3.087	3.062	3.039	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	3.354	-	3.354	3.312	3.087	3.062	3.039	-	3.161

**Description:**

Joint Strike Missile (JSM) is a near-term solution for long range precision strike capability against maritime surface and land targets in highly contested environments. JSM provides long-range standoff for platform survivability, performance in GPS denied environments, survivability against advanced threat systems, and internal carriage in F-35 weapons bay. Initial fielding and operational use will be on the F-35A.

Norwegian defense contractor, Kongsberg Defense & Aerospace (KDA), has completed development of JSM. Royal Norwegian Air Force (RNoAF) funded F-35A integration is ongoing.

JSM will leverage the RNoAF integration efforts. Additionally, JSM will perform the USAF specific integration, regression, and qualification activities.

The JSM procurement funding supports the entire weapon system to include resolution of obsolescence, end-of-life buys, bridge buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve and increase future production capabilities and capacity. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

Funding for this exhibit is contained in PE 0207335F.

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** JSM000 / Joint Strike Missile

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

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

Exhibits Schedule					Prior Years	FY 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-5	Joint Strike Missile	P-5a, P-21	A		- / -	- / 0.000	- / 0.000	48 / 161.011	- / -	48 / 161.011
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>48 / 161.011</b>	<b>- / -</b>	<b>48 / 161.011</b>

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

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

**Justification:**

This program is a new start.

JSM is a new start in FY 2024.

FY 2024 funding will procure 48 JSM AUR missiles and associated support equipment.

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> JSM000 / Joint Strike Missile			<b>Item Number / Title [DODIC]:</b> Joint Strike Missile		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>		
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	48	-	48
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	0.000	0.000	161.011	-	161.011
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	0.000	0.000	161.011	-	161.011
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	<b>0.000</b>	<b>0.000</b>	<b>161.011</b>	-	<b>161.011</b>
<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> )			-	-	-	3.354	-	3.354

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway - Joint Strike Missile Cost</b>																		
Recurring Cost																		
Qual Flight Test Support	-	-	-	-	-	0.000	-	-	0.000	-	-	1.000	-	-	-	-	-	1.000
JSM Msl All Up Round (AUR) <sup>(†)</sup>	-	-	-	-	-	0.000	-	-	0.000	3.011	48	144.511	-	-	-	3.011	48	144.511
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	145.511	-	-	-	-	-	145.511
<i>Subtotal: Flyaway - Joint Strike Missile Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	145.511	-	-	-	-	-	145.511
<b>Flyaway - Ancillary Equipment Cost Cost</b>																		
Non Recurring Cost																		
Adapters/Cables	-	-	-	-	-	0.000	-	-	0.000	-	-	5.200	-	-	-	-	-	5.200
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	5.200	-	-	-	-	-	5.200
<i>Subtotal: Flyaway - Ancillary Equipment Cost Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	5.200	-	-	-	-	-	5.200
<b>Support - Support End Item Cost Cost</b>																		
PSC Other Government Costs	-	-	-	-	-	0.000	-	-	0.000	-	-	0.500	-	-	-	-	-	0.500
PSC Contractor Services	-	-	-	-	-	0.000	-	-	0.000	-	-	0.500	-	-	-	-	-	0.500
Loading Cradle	-	-	-	-	-	0.000	-	-	0.000	-	-	0.100	-	-	-	-	-	0.100
F-35 Integration	-	-	-	-	-	0.000	-	-	0.000	-	-	1.500	-	-	-	-	-	1.500
Cybersecurity	-	-	-	-	-	0.000	-	-	0.000	-	-	5.000	-	-	-	-	-	5.000

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> JSM000 / Joint Strike Missile						<b>Item Number / Title [DODIC]:</b> Joint Strike Missile					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Training & Simulation HW/SW	-	-	-	-	-	0.000	-	-	0.000	-	-	1.200	-	-	-	-	-	1.200
Training Rounds	-	-	-	-	-	0.000	-	-	0.000	-	-	1.500	-	-	-	-	-	1.500
<i>Subtotal: Support - Support End Item Cost Cost</i>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>10.300</b>	-	-	-	-	-	<b>10.300</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.000</b>	<b>3.354</b>	<b>48</b>	<b>161.011</b>	-	-	-	<b>3.354</b>	<b>48</b>	<b>161.011</b>

**Remarks:**

PSC Other Government Costs: Travel and Government Purchase Card (GPC).

PSC Contractor Services: Advisory and Assistance Services (A&AS) and Other Government Costs (OGC) for contract support.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JSM000 / Joint Strike Missile	<b>Item Number / Title [DODIC]:</b> Joint Strike Missile
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
JSM Msl All Up Round (AUR) <sup>(†)</sup>		2024	Raytheon / Raytheon / Tucson AZ	TBD	AFLCMC/PK Eglin AFB, FL	Mar 2024	Mar 2026	48	3.011	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

1. JSM Lot 1 will be contracted and purchased in FY 2024.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JSM000 / Joint Strike Missile **Item Number / Title [DODIC]:** Joint Strike Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
JSM Msl All Up Round (AUR)																															
	1	2024	AF	48	0	48																								48	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JSM000 / Joint Strike Missile	<b>Item Number / Title [DODIC]:</b> Joint Strike Missile
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026														Fiscal Year 2027														BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
JSM Msl All Up Round (AUR)																																			
1	2024	AF		48	0	48	-	-	-	-	-	4	4	4	4	4	4	4	-	4	4	4	4	4	4	4	4	0							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JSM000 / Joint Strike Missile	<b>Item Number / Title [DODIC]:</b> Joint Strike Missile
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Raytheon - Raytheon / Tucson AZ	20	48	140	0	6	24	30	0	0	0	0

**Remarks:**

JSM is a new start in FY 2024.

FY 2024 will be the first contract year.

No prior year procurement contracts or quantities.

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

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** LRASM0 / LRASM0

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207325F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 449

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> )	56	-	25	27	-	27	58	99	111	112	-	488
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	207.324	0.000	105.989	87.796	-	87.796	190.300	320.699	361.348	363.679	0.000	1,637.135
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	0.000	0.000	-	0.000	24.967	24.968	24.968	24.968	-	99.871
Net Procurement (P-1) ( <i>\$ in Millions</i> )	207.324	0.000	105.989	87.796	-	87.796	165.333	295.731	336.380	338.711	0.000	1,537.264
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	0.000	0.000	99.871	-	99.871	0.000	0.000	0.000	0.000	-	99.871
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>207.324</b>	<b>0.000</b>	<b>105.989</b>	<b>187.667</b>	<b>-</b>	<b>187.667</b>	<b>165.333</b>	<b>295.731</b>	<b>336.380</b>	<b>338.711</b>	<b>0.000</b>	<b>1,637.135</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	5.198	0.524	-	0.524	0.525	0.521	0.519	0.530	-	7.817
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	3.702	-	4.240	3.252	-	3.252	3.281	3.239	3.255	3.247	-	3.355

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields.

The Long Range Anti-Ship Missile (LRASM) is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM (AGM-158C) addresses an air-launch capability gap by providing flexible, long-range, advanced, anti-surface capability against high-threat maritime targets. LRASM achieved Early Operational Capability (EOC) in December 2018 on the USAF B-1 Lancer and EOC on the USN F/A-18E/F Super Hornet in November 2019. The USN is the lead service for the LRASM program.

FY24 Procurement fully funds the 8th production lot for the LRASM Program as well as provides Economic Order Quantities for Lots 8-12 under the MYP strategy. FY23 Procurement funds the 7th production lot for the LRASM program.

LRASM is highly leveraged on the design of the Joint Air-to-Surface Standoff Missile-Extended Range (JASSM-ER). LRASM and JASSM-ER have over 70% hardware commonality and share the same production assembly line. The USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements.

The program transitioned the Defense Advanced Research Projects Agency (DARPA)/Office of Naval Research (ONR) LRASM demonstration design into a fielded weapon system which supports an increased offensive strike capability. In addition to procuring LRASM All Up Rounds, funds in this exhibit will be used for production tooling & equipment and addressing Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply and qualification and reliability activities to preserve future production capabilities and capacities.

Procurement for USN LRASM AURs is contained in Navy PE 0204167N.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** LRASM0 / LRASM0

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207325F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 449

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-5	LRASM0	P-5a, P-21	B		56 / 207.324	- / 0.000	25 / 105.989	27 / 87.796	- / -	27 / 87.796
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>56 / 207.324</b>	<b>- / 0.000</b>	<b>25 / 105.989</b>	<b>27 / 87.796</b>	<b>- / -</b>	<b>27 / 87.796</b>

\*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:**  
FY2024 funding totals include 87.796M in base to procure 27 missiles.

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 3069 BUY-TO-BUDGET ACQUISITION.



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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>					<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> LRASMO / LRASMO			<b>Item Number / Title [DODIC]:</b> LRASMO		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)			56	-	25	27	-	27
Gross/Weapon System Cost (\$ in Millions)			207.324	0.000	105.989	87.796	-	87.796
Less PY Advance Procurement (\$ in Millions)			-	-	0.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)			207.324	0.000	105.989	87.796	-	87.796
Plus CY Advance Procurement (\$ in Millions)			-	0.000	0.000	99.871	-	99.871
<b>Total Obligation Authority (\$ in Millions)</b>			<b>207.324</b>	<b>0.000</b>	<b>105.989</b>	<b>187.667</b>	<b>-</b>	<b>187.667</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	0.000	5.198	0.524	0.000	0.524
Gross/Weapon System Unit Cost (\$ in Millions)			3.702	-	4.240	3.252	-	3.252

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Hardware - LRASM Cost</b>																		
Recurring Cost																		
LRASM All-Up-Round (AUR) <sup>(†)</sup>	3.702	56	207.324	-	-	0.000	3.577	25	89.425	2.872	27	77.545	-	-	0.000	2.872	27	77.545
Tooling/Production NRE	-	-	-	-	-	-	-	-	9.718	-	-	3.591	-	-	-	-	-	3.591
Economic Order Quantity (EOQ)	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>207.324</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>99.143</i>	<i>-</i>	<i>-</i>	<i>81.136</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>81.136</i>
<i>Subtotal: Hardware - LRASM Cost</i>	<i>-</i>	<i>-</i>	<i>207.324</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>99.143</i>	<i>-</i>	<i>-</i>	<i>81.136</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>81.136</i>
<b>Support - LRASM Cost</b>																		
Program Support Costs (PSC)-A&AS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
Program Support Costs (PSC) Other Government Costs	-	-	-	-	-	-	-	-	1.212	-	-	1.072	-	-	0.000	-	-	1.072
Engineering Change Order (ECO)/Obsolescence	-	-	-	-	-	-	-	-	5.634	-	-	5.588	-	-	0.000	-	-	5.588
<i>Subtotal: Support - LRASM Cost</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>6.846</i>	<i>-</i>	<i>-</i>	<i>6.660</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>6.660</i>
<b>Gross/Weapon System Cost</b>	<b>3.702</b>	<b>56</b>	<b>207.324</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>4.240</b>	<b>25</b>	<b>105.989</b>	<b>3.252</b>	<b>27</b>	<b>87.796</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.252</b>	<b>27</b>	<b>87.796</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0	<b>Item Number / Title [DODIC]:</b> LRASM0
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0	<b>Item Number / Title [DODIC]:</b> LRASM0
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LRASM All-Up-Round (AUR) <sup>(†)</sup>		2019	Lockheed Martin / Troy, AL	SS / FPIF	Eglin AFB	Apr 2020	Aug 2022	15	3.443	N	Jan 2019	Jan 2019
LRASM All-Up-Round (AUR) <sup>(†)</sup>		2021	Lockheed Martin / Troy, AL	SS / FFP	Eglin AFB	Feb 2021	Nov 2023	6	2.925	N	Jan 2020	Feb 2020
LRASM All-Up-Round (AUR) <sup>(†)</sup>		2023	Lockheed Martin / Troy, AL	SS / FFP	Eglin AFB	Mar 2023	Sep 2025	25	3.577	N	Jun 2022	Aug 2022
LRASM All-Up-Round (AUR) <sup>(†)</sup>		2024	Lockheed Martin / Troy, AL	SS / FFP	Eglin AFB	Jun 2024	Jul 2026	27	2.872	N	Jun 2022	Aug 2022

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Lot 5 (FY2021) was the first year the USAF procured the LRASM v1.1 (AGM-158C-1) configuration. Lot 5 was procured at a lower unit cost due to a combined award with Lot 4 (FY2020), and increased the overall USAF/USN/FMS total AUR quantity across those years.

Lot 6 (FY2022) did not include USAF procurement of LRASM missiles, USN only.

Lot 7 (FY2023) and Lot 8 (FY2024) will procure LRASM v1.1 (AGM-158C-1) configuration for the USAF. The estimated contract award date for Lot 7 is 2QFY23 and Lot 8 is 3QFY24.

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0	<b>Item Number / Title [DODIC]:</b> LRASM0
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
LRASM All-Up-Round (AUR)																																	
Prior Years Deliveries: 35																																	
1		2019	AF	15	0	15																									15		
1		2019	NAVY (‡)	33	0	33																									33		
<b>1</b>		<b>2019</b>	<b>Total</b>	<b>48</b>	<b>0</b>	<b>48</b>																								<b>48</b>			
1		2021	AF	6	0	6																									6		
1		2021	FMS (‡)	69	0	69																									69		
1		2021	NAVY (‡)	43	0	43																									43		
<b>1</b>		<b>2021</b>	<b>Total</b>	<b>118</b>	<b>0</b>	<b>118</b>																								<b>118</b>			
1		2023	AF	25	0	25																									25		
1		2023	NAVY (‡)	60	0	60																									60		
<b>1</b>		<b>2023</b>	<b>Total</b>	<b>85</b>	<b>0</b>	<b>85</b>																								<b>85</b>			
1		2024	AF	27	0	27																									27		
1		2024	NAVY (‡)	67	0	67																									67		
<b>1</b>		<b>2024</b>	<b>Total</b>	<b>94</b>	<b>0</b>	<b>94</b>																								<b>94</b>			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0	<b>Item Number / Title [DODIC]:</b> LRASM0
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Cost Elements <i>(Units in Each)</i>				Fiscal Year 2022														Fiscal Year 2023												BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P		
LRASM All-Up-Round (AUR)																																	
Prior Years Deliveries: 35																																	
1	2019	AF		15	0	15	-	-	-	-	-	-	-	-	-	-	1	5	5	4									0				
1	2019	NAVY (‡)		33	0	33	-	-	1	-	4	4	5	5	5	5	4	-	-	-									0				
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>48</b>	<b>0</b>	<b>48</b>	-	-	<b>1</b>	-	<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4</b>									<b>0</b>					
1	2021	AF		6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
1	2021	FMS (‡)		69	0	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	63				
1	2021	NAVY (‡)		43	0	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	4	5	5	14				
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>118</b>	<b>0</b>	<b>118</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>4</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>83</b>				
1	2023	AF		25	0	25																						25					
1	2023	NAVY (‡)		60	0	60																						60					
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>85</b>	<b>0</b>	<b>85</b>																						<b>85</b>					
1	2024	AF		27	0	27																						27					
1	2024	NAVY (‡)		67	0	67																						67					
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>94</b>	<b>0</b>	<b>94</b>																						<b>94</b>					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** LRASMO / LRASMO **Item Number / Title [DODIC]:** LRASMO

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
LRASM All-Up-Round (AUR)																																	
Prior Years Deliveries: 35																																	
1	2019	AF		15	15	0																											0
1	2019	NAVY (‡)		33	33	0																											0
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>48</b>	<b>48</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2021	AF		6	0	6	-	3	3	-	-	-	-	-																		0	
1	2021	FMS (‡)		69	6	63	1	-	7	9	10	10	10	8	8																	0	
1	2021	NAVY (‡)		43	29	14	8	6	-	-	-	-	-	-																		0	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>118</b>	<b>35</b>	<b>83</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>8</b>	<b>8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2023	AF		25	0	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	23	
1	2023	NAVY (‡)		60	0	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>85</b>	<b>0</b>	<b>85</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>7</b>	<b>23</b>	
1	2024	AF		27	0	27									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	
1	2024	NAVY (‡)		67	0	67									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>94</b>	<b>0</b>	<b>94</b>									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>94</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASMO / LRASMO	<b>Item Number / Title [DODIC]:</b> LRASMO
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
LRASM All-Up-Round (AUR)																															
Prior Years Deliveries: 35																															
1	2019	AF		15	15	0																							0		
1	2019	NAVY (‡)		33	33	0																							0		
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>48</b>	<b>48</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2021	AF		6	6	0																							0		
1	2021	FMS (‡)		69	69	0																							0		
1	2021	NAVY (‡)		43	43	0																							0		
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>118</b>	<b>118</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2023	AF		25	2	23	10	10	3																				0		
1	2023	NAVY (‡)		60	60	0	-	-	-																				0		
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>85</b>	<b>62</b>	<b>23</b>	<b>10</b>	<b>10</b>	<b>3</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2024	AF		27	0	27	-	-	-	-	-	-	-	5	11	11													0		
1	2024	NAVY (‡)		67	0	67	-	-	4	10	10	10	10	10	7	6	-	-											0		
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>94</b>	<b>0</b>	<b>94</b>	-	-	<b>4</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>7</b>	<b>11</b>	<b>11</b>	<b>11</b>	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2		<b>P-1 Line Item Number / Title:</b> LRASMO / LRASMO
<b>Item Number / Title [DODIC]:</b> LRASMO		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Lockheed Martin - Troy, AL	27	60	120	9	9	25	34	0	0	0	0

**Remarks:**  
 USN deliveries are not included in P-21 for Lot 4 (FY20 funding) and Lot 6 (FY22 funding) because there were no quantities procured by the USAF in those years.  
 LRASM and JASSM missiles are procured on separate contracts but are awarded concurrently to leverage commonality and optimize shared resources.

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

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



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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical							<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0					
<b>Program Elements for Code B Items:</b> 0207325F							<b>Other Related Program Elements:</b> N/A					
<b>Line Item MDAP/MAIS Code:</b> 449												

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	99.871	-	99.871	0.000	0.000	0.000	0.000	-	99.871
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	99.871	-	99.871	0.000	0.000	0.000	0.000	-	99.871
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.000</b>	<b>99.871</b>	-	<b>99.871</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>99.871</b>

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields.

The Long Range Anti-Ship Missile (LRASM) is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM (AGM-158C) addresses an air-launch capability gap by providing flexible, long-range, advanced, anti-surface capability against high-threat maritime targets. LRASM achieved Early Operational Capability (EOC) in December 2018 on the USAF B-1 Lancer and EOC on the USN F/A-18E/F Super Hornet in November 2019. The USN is the lead service for the LRASM program.

FY24 Procurement fully funds the 8th production lot for the LRASM Program as well as provides Economic Order Quantities for Lots 8-12 under the MYP strategy. FY23 Procurement funds the 7th production lot for the LRASM program.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** LRASM0 / LRASM0

**Program Elements for Code B Items:** 0207325F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** 449

Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	LRASM0			56 / -	- / 0.000	25 / 0.000	27 / 99.871	- / -	27 / 99.871
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>56 / -</b>	<b>- / 0.000</b>	<b>25 / 0.000</b>	<b>27 / 99.871</b>	<b>- / -</b>	<b>27 / 99.871</b>

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

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

**Justification:**  
 FY2024 funding totals include 87.796M in base to procure 27 missiles.  
 Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 3069 BUY-TO-BUDGET ACQUISITION.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Air Force					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> LRASMO / LRASMO			<b>P-5 Number / Title:</b> LRASMO	
<b>First System (2024) Award Date:</b> June 2024		<b>First System (2024) Completion Date:</b> July 2026			<b>Interval Between Systems:</b> 5 Months		
<b>LRASMO</b>		<b>Production Leadtime</b> <i>(Months)</i>	<b>Prior Years</b> <i>(Each)</i>	<b>FY 2022</b> <i>(Each)</i>	<b>FY 2023</b> <i>(Each)</i>	<b>FY 2024</b> <i>(Each)</i>	
Quantity		24	56	-	25	27	
<b>Cost Elements</b>		<b>When Required</b> <i>(Months)</i>	<b>Prior Years</b> <i>(\$ M)</i>	<b>FY 2022</b> <i>(\$ M)</i>	<b>FY 2023</b> <i>(\$ M)</i>	<b>FY 2024</b> <i>(\$ M)</i>	
<b>EOQ</b>							
Economic Order Quantity (EOQ) <sup>(†)</sup>		90	-	-	-	99.871	
<i>Total: EOQ</i>			-	-	-	99.871	
<b>Total Advance Procurement/Obligation Authority</b>			-	<b>0.000</b>	<b>0.000</b>	<b>99.871</b>	

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**Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> LRASM0 / LRASM0	<b>P-5 Number / Title:</b> LRASM0
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Cost Elements	QPA <i>(Each)</i>	FY 2024					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	
<b>EOQ</b>							
Economic Order Quantity (EOQ) <sup>(†)</sup>	-						99.871
<i>Total: EOQ</i>							99.871
<b>Total Advance Procurement/Obligation Authority</b>							<b>99.871</b>

**Description:**  
 In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and STANDARD MISSILE-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-Budget concept, to further improve efficiencies and yields.

The Long Range Anti-Ship Missile (LRASM) is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM (AGM-158C) addresses an air-launch capability gap by providing flexible, long-range, advanced, anti-surface capability against high-threat maritime targets. LRASM achieved Early Operational Capability (EOC) in December 2018 on the USAF B-1 Lancer and EOC on the USN F/A-18E/F Super Hornet in November 2019. The USN is the lead service for the LRASM program.

LRASM is highly leveraged on the design of the Joint Air-to-Surface Standoff Missile-Extended Range (JASSM-ER). LRASM and JASSM-ER have over 70% hardware commonality and share the same production assembly line. The USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements.

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X)

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207161F

**Line Item MDAP/MAIS Code:** 442

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> )	3,119	230	255	192	-	192	218	240	234	243	1,588	6,319
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,312.706	102.507	111.855	95.643	-	95.643	106.898	127.649	129.845	132.613	1,004.722	3,124.438
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,312.706	102.507	111.855	95.643	-	95.643	106.898	127.649	129.845	132.613	1,004.722	3,124.438
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,312.706</b>	<b>102.507</b>	<b>111.855</b>	<b>95.643</b>	<b>-</b>	<b>95.643</b>	<b>106.898</b>	<b>127.649</b>	<b>129.845</b>	<b>132.613</b>	<b>1,004.722</b>	<b>3,124.438</b>

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

Initial Spares ( <i>\$ in Millions</i> )	23,842.000	3.742	3.546	2.023	-	2.023	2.060	2.084	2.117	2.159	34.267	23,893.998
Flyaway Unit Cost ( <i>\$ in Millions</i> )	0.384	0.392	0.397	0.443	-	0.443	0.440	0.485	0.506	0.498	0.579	0.450
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	0.421	0.446	0.439	0.498	-	0.498	0.490	0.532	0.555	0.546	0.633	0.494

**Description:**

The AIM-9X Block II/II+ Sidewinder (AIM-9X Blk II/II+) continues the evolution of the AIM-9 series of missiles. This missile program delivers a launch and leave, air combat munition that uses passive Infrared (IR) energy to acquire and track enemy air targets and complements the radar guided Advanced Medium Range Air-to-Air Missile (AMRAAM). The missile provides first shot, first kill opportunities while conducting air combat maneuvering Within Visual Range (WVR) which is essential for aircrew survival. The AIM-9X provides these opportunities with unmatched offensive and defensive capabilities against threats WVR, even when IR countermeasures are employed.

The AIM-9X also provides air superiority in the Beyond Visual Range (BVR) air-to-air battle. Anti-tamper features have been incorporated to protect improvements inherent in this design. The AIM-9X Block II missile is critical for projecting power and winning decisively against current and emerging threats.

AIM-9X is a Post Milestone C, Acquisition Category IC (ACAT-IC) joint service program led by the Department of the Navy (DoN). In June 2011, the Milestone Decision Authority (MDA) established the AIM-9X Block II missile program which was approved for entry at Milestone C for Low Rate Initial Production (LRIP). The Block I program ended with the Sec 2366 A/B certification and Acquisition Program Baseline (APB) for AIM-9X Block II approval on December 23, 2011. In August 2015, the program received approval for Full Rate Production (FRP), and the APB was re-established.

In December 2017, the program began to procure a third variant of the missile labeled the AIM-9X Block II PLUS (Block II+) to satisfy the requirements of the Joint Strike Fighter platform. This version of the missile is being produced on the same production line as the AIM-9X Block II missile. For contracting purposes, the nomenclature of the AIM-9X Block II missile is identified as AIM-9X-2 or AIM-9X-4 and the AIM-9X Block II+ missile is identified as AIM-9X-3 or AIM-9X-5. The AIM-9X-4/5 variants are the System Improvement Program (SIP) III configuration with upgraded hardware for obsolescence that will cut into Lot 21.

In February 2019, the APB for DoN and USAF was revised to increase total missile procurements from 6,000 to 11,635 missiles and to extend missile procurements through 2035. The current APB quantity of 11,635 missiles is made up of 5,326 DoN missiles and 6,309 USAF missiles.

Funding for this exhibit contained in PE 0207161F.

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X)

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207161F

**Line Item MDAP/MAIS Code:** 442

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-5	Sidewinder (AIM-9X)	P-5a, P-21	A		3,119 / 1,312.706	230 / 102.507	255 / 111.855	192 / 95.643	- / -	192 / 95.643
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>3,119 / 1,312.706</b>	<b>230 / 102.507</b>	<b>255 / 111.855</b>	<b>192 / 95.643</b>	<b>- / -</b>	<b>192 / 95.643</b>

\*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 provides funding to procure the tenth lot of FRP AIM-9X Block II (Blk II) missiles for the Air Force. The program unit costs are based on quantities procured by the DoN and USAF as well as Foreign Military Sales (FMS) customers.

Total Program quantity by service includes a mix of All Up Round (AUR) missiles and Captive Air Training Missiles (CATM).

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

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 3069 BUY-TO-BUDGET ACQUISITION.

AUR Block II+ quantities were reduced to zero at the direction of the Air Combat Command (ACC) Requirements Officers.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>					<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> M09HAI / Sidewinder (AIM-9X)			<b>Item Number / Title [DODIC]:</b> Sidewinder (AIM-9X)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
Procurement Quantity (Units in Each)			3,119	230	255	192	-	192	
Gross/Weapon System Cost (\$ in Millions)			1,312.706	102.507	111.855	95.643	-	95.643	
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)			1,312.706	102.507	111.855	95.643	-	95.643	
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	
<b>Total Obligation Authority (\$ in Millions)</b>			<b>1,312.706</b>	<b>102.507</b>	<b>111.855</b>	<b>95.643</b>	<b>-</b>	<b>95.643</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)			23,842.000	3.742	3.546	2.023	-	2.023	
Gross/Weapon System Unit Cost (\$ in Millions)			0.421	0.446	0.439	0.498	-	0.498	

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
All Up Round - Block II(t)	0.352	2,399	844.149	0.388	150	58.214	0.425	175	74.462	0.407	143	58.207	-	-	-	0.407	143	58.207
Captive Air Training Missile (CATM) - Block II(t)	0.215	720	154.677	0.243	80	19.431	0.194	80	15.539	0.281	49	13.769	-	-	-	0.281	49	13.769
Engineering Change Orders - Block II	-	-	2.038	-	-	0.000	-	-	0.095	-	-	1.848	-	-	-	-	-	1.848
Diminishing Manufacturing Sources	-	-	24.203	-	-	7.812	-	-	10.414	-	-	10.556	-	-	-	-	-	10.556
Government Cost (GFE & Testing) - Block II	-	-	0.907	-	-	0.101	-	-	0.041	-	-	0.030	-	-	-	-	-	0.030
Special Test/Special Tooling Equipment - Block II	-	-	17.638	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Missile Containers - Block II	0.013	856	10.954	0.014	66	0.894	0.012	64	0.779	0.011	53	0.583	-	-	-	0.011	53	0.583
Non-Recurring Engineering - Block II	-	-	46.446	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
All Up Round - Block II Plus	0.428	224	95.771	0.455	8	3.643	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>1,196.783</i>	<i>-</i>	<i>-</i>	<i>90.095</i>	<i>-</i>	<i>-</i>	<i>101.330</i>	<i>-</i>	<i>-</i>	<i>84.993</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>84.993</i>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> M09HAI / Sidewinder (AIM-9X)						<b>Item Number / Title [DODIC]:</b> Sidewinder (AIM-9X)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>							

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	1,196.783	-	-	90.095	-	-	101.330	-	-	84.993	-	-	-	-	-	84.993
<b>Support - Support End Item Cost</b>																		
Production Tech Support	-	-	34.057	-	-	3.701	-	-	3.311	-	-	3.302	-	-	-	-	-	3.302
Peculiar Support Equipment - Block II	-	-	0.382	-	-	0.000	-	-	0.050	-	-	0.041	-	-	-	-	-	0.041
Test Equipment - Block II	-	-	11.485	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Program Support Costs (PSC) Contractor Services - Block II	-	-	13.359	-	-	0.725	-	-	0.694	0.089	8	0.708	-	-	-	0.089	8	0.708
PSC Other Government Costs - Block II	-	-	56.449	-	-	7.892	-	-	6.408	-	-	6.536	-	-	-	-	-	6.536
Training Support - Block II	-	-	0.191	-	-	0.094	-	-	0.062	-	-	0.063	-	-	-	-	-	0.063
<i>Subtotal: Support - Support End Item Cost</i>	-	-	115.923	-	-	12.412	-	-	10.525	-	-	10.650	-	-	-	-	-	10.650
<b>Gross/Weapon System Cost</b>	0.421	3,119	1,312.706	0.446	230	102.507	0.439	255	111.855	0.498	192	95.643	-	-	-	0.498	192	95.643

**Remarks:**

The program is in production and any changes that will occur, prior to or after fielding, are software changes. Hardware specs are available and being used to manufacture the missile. Baseline software specs are known.

The FY23 Lot 23 Contract awarded in Jan 2023 and procured the FRP missile.

Under Buy to Budget Authority, the Air Force procured 255 missiles in Lot 23.

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



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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> M09HAI / Sidewinder (AIM-9X)	<b>Item Number / Title [DODIC]:</b> Sidewinder (AIM-9X)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All Up Round - Block II <sup>(†)</sup>		2019	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Apr 2019	Sep 2021	176	0.381	Y		Jan 2018
All Up Round - Block II <sup>(†)</sup>		2020	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2020	Aug 2022	303	0.371	Y		Jan 2019
All Up Round - Block II <sup>(†)</sup>		2021	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Jun 2021	Aug 2023	187	0.377	Y		Jan 2020
All Up Round - Block II <sup>(†)</sup>		2022	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2022	Aug 2024	150	0.388	Y		Jan 2021
All Up Round - Block II <sup>(†)</sup>		2023	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2023	Aug 2025	175	0.425	Y		Jan 2022
All Up Round - Block II <sup>(†)</sup>		2024	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2024	Aug 2026	143	0.407	Y		Jan 2023
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2019	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Apr 2019	Sep 2021	15	0.209	Y		Jan 2018
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2020	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2020	Aug 2022	130	0.202	Y		Jan 2019
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2021	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Jun 2021	Aug 2023	82	0.216	Y		Jan 2020
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2022	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2022	Aug 2024	80	0.243	Y		Jan 2021
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2023	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2023	Aug 2025	80	0.194	Y		Jan 2022
Captive Air Training Missile (CATM) - Block II <sup>(†)</sup>		2024	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	NAVAIR	Mar 2024	Aug 2026	49	0.281	Y		Jan 2023

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X) **Item Number / Title [DODIC]:** Sidewinder (AIM-9X)

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2019													Fiscal Year 2020													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 8	BAL D U E A S O F 1 O C T	Calendar Year 2019													Calendar Year 2020													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round - Block II																																	
Prior Years Deliveries: 1733																																	
1	2019	AF <sup>(1)</sup>	176	0	176																								176				
1	2019	FMS <sup>(#)</sup> (2)	190	0	190																								190				
1	2019	NAVY <sup>(#)</sup> (3)	235	0	235																								235				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>601</b>	<b>0</b>	<b>601</b>																								<b>601</b>				
1	2020	AF	303	0	303																								303				
1	2020	FMS <sup>(#)</sup>	199	0	199																								199				
1	2020	NAVY <sup>(#)</sup>	229	0	229																								229				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>731</b>	<b>0</b>	<b>731</b>																								<b>731</b>				
1	2021	AF	187	0	187																								187				
1	2021	FMS <sup>(#)</sup>	84	0	84																								84				
1	2021	NAVY <sup>(#)</sup>	217	0	217																								217				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>488</b>	<b>0</b>	<b>488</b>																								<b>488</b>				
1	2022	AF	150	0	150																								150				
1	2022	FMS <sup>(#)</sup>	157	0	157																								157				
1	2022	NAVY <sup>(#)</sup>	85	0	85																								85				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>392</b>	<b>0</b>	<b>392</b>																								<b>392</b>				
1	2023	AF	175	0	175																								175				
1	2023	FMS <sup>(#)</sup>	118	0	118																								118				
1	2023	NAVY <sup>(#)</sup>	80	0	80																								80				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>373</b>	<b>0</b>	<b>373</b>																								<b>373</b>				
1	2024	AF	143	0	143																								143				
1	2024	FMS <sup>(#)</sup>	8	0	8																								8				
1	2024	NAVY <sup>(#)</sup>	94	0	94																								94				
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>245</b>	<b>0</b>	<b>245</b>																								<b>245</b>				
Captive Air Training Missile (CATM) - Block II																																	
Prior Years Deliveries: 493																																	
2	2019	AF <sup>(4)</sup>	15	0	15																								15				
2	2019	FMS <sup>(#)</sup> (5)	34	0	34																								34				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				



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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X) **Item Number / Title [DODIC]:** Sidewinder (AIM-9X)

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2021													Fiscal Year 2022													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round - Block II																																	
Prior Years Deliveries: 1733																																	
1	2019	AF <sup>(1)</sup>	176	0	176	-	-	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	16	16	0					
1	2019	FMS <sup>(2)</sup>	190	0	190	-	-	-	-	-	-	-	-	-	-	-	17	17	17	17	17	17	17	18	18	18	17	0					
1	2019	NAVY <sup>(3)</sup>	235	0	235	-	-	-	-	-	-	-	-	-	-	-	22	22	22	22	21	21	21	21	21	21	0						
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>601</b>	<b>0</b>	<b>601</b>	-	-	-	-	-	-	-	-	-	-	<b>55</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>54</b>	-	-	<b>0</b>				
1	2020	AF	303	0	303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25	253				
1	2020	FMS <sup>(2)</sup>	199	0	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	180				
1	2020	NAVY <sup>(2)</sup>	229	0	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	189				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>731</b>	<b>0</b>	<b>731</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>45</b>	<b>64</b>	<b>622</b>				
1	2021	AF	187	0	187																								187				
1	2021	FMS <sup>(2)</sup>	84	0	84																								84				
1	2021	NAVY <sup>(2)</sup>	217	0	217																								217				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>488</b>	<b>0</b>	<b>488</b>																								<b>488</b>				
1	2022	AF	150	0	150																								150				
1	2022	FMS <sup>(2)</sup>	157	0	157																								157				
1	2022	NAVY <sup>(2)</sup>	85	0	85																								85				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>392</b>	<b>0</b>	<b>392</b>																								<b>392</b>				
1	2023	AF	175	0	175																								175				
1	2023	FMS <sup>(2)</sup>	118	0	118																								118				
1	2023	NAVY <sup>(2)</sup>	80	0	80																								80				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>373</b>	<b>0</b>	<b>373</b>																								<b>373</b>				
1	2024	AF	143	0	143																								143				
1	2024	FMS <sup>(2)</sup>	8	0	8																								8				
1	2024	NAVY <sup>(2)</sup>	94	0	94																								94				
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>245</b>	<b>0</b>	<b>245</b>																								<b>245</b>				
Captive Air Training Missile (CATM) - Block II																																	
Prior Years Deliveries: 493																																	
2	2019	AF <sup>(4)</sup>	15	0	15	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	2	2	2	2	0					
2	2019	FMS <sup>(5)</sup>	34	0	34	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	4	3	3	3	0					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				



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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date: March 2023**

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X) **Item Number / Title [DODIC]:** Sidewinder (AIM-9X)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round - Block II																																	
Prior Years Deliveries: 1733																																	
1	2019	AF <sup>(1)</sup>	176	176	0																											0	
1	2019	FMS <sup>(#)(2)</sup>	190	190	0																											0	
1	2019	NAVY <sup>(#)(3)</sup>	235	235	0																											0	
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>601</b>	<b>601</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2020	AF	303	50	253	26	25	25	25	25	25	25	26	26	25																0		
1	2020	FMS <sup>(#)</sup>	199	19	180	18	18	18	18	18	18	18	18	18	18																0		
1	2020	NAVY <sup>(#)</sup>	229	40	189	20	20	19	19	19	19	19	18	18	18																0		
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>731</b>	<b>109</b>	<b>622</b>	<b>64</b>	<b>63</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>61</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2021	AF	187	0	187	-	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16	16	15	15	15	15	15				0		
1	2021	FMS <sup>(#)</sup>	84	0	84	-	-	-	-	-	-	-	-	-	-	7	7	7	7	7	7	7	7	7	7	7				0			
1	2021	NAVY <sup>(#)</sup>	217	0	217	-	-	-	-	-	-	-	-	-	-	19	18	18	18	18	18	18	18	18	18	18				0			
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>488</b>	<b>0</b>	<b>488</b>	-	-	-	-	-	-	-	-	-	-	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	-	-	<b>0</b>		
1	2022	AF	150	0	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	126			
1	2022	FMS <sup>(#)</sup>	157	0	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14	129			
1	2022	NAVY <sup>(#)</sup>	85	0	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	69			
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>392</b>	<b>0</b>	<b>392</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>34</b>	<b>34</b>	<b>324</b>			
1	2023	AF	175	0	175																									175			
1	2023	FMS <sup>(#)</sup>	118	0	118																									118			
1	2023	NAVY <sup>(#)</sup>	80	0	80																									80			
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>373</b>	<b>0</b>	<b>373</b>																									<b>373</b>			
1	2024	AF	143	0	143																									143			
1	2024	FMS <sup>(#)</sup>	8	0	8																									8			
1	2024	NAVY <sup>(#)</sup>	94	0	94																									94			
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>245</b>	<b>0</b>	<b>245</b>																									<b>245</b>			
Captive Air Training Missile (CATM) - Block II																																	
Prior Years Deliveries: 493																																	
2	2019	AF <sup>(4)</sup>	15	15	0																									0			
2	2019	FMS <sup>(#)(5)</sup>	34	34	0																									0			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				



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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X) **Item Number / Title [DODIC]:** Sidewinder (AIM-9X)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
All Up Round - Block II																																			
Prior Years Deliveries: 1733																																			
1	2019	AF <sup>(1)</sup>	176	176	0																													0	
1	2019	FMS <sup>(#)(2)</sup>	190	190	0																													0	
1	2019	NAVY <sup>(#)(3)</sup>	235	235	0																													0	
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>601</b>	<b>601</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2020	AF	303	303	0																													0	
1	2020	FMS <sup>(#)</sup>	199	199	0																													0	
1	2020	NAVY <sup>(#)</sup>	229	229	0																													0	
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>731</b>	<b>731</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2021	AF	187	187	0																													0	
1	2021	FMS <sup>(#)</sup>	84	84	0																													0	
1	2021	NAVY <sup>(#)</sup>	217	217	0																													0	
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>488</b>	<b>488</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2022	AF	150	24	126	12	12	12	12	13	13	13	13	13	13																			0	
1	2022	FMS <sup>(#)</sup>	157	28	129	13	13	13	13	13	13	13	13	13	12																			0	
1	2022	NAVY <sup>(#)</sup>	85	16	69	8	8	8	8	8	8	7	7	7	-																			0	
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>392</b>	<b>68</b>	<b>324</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>34</b>	<b>34</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>25</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2023	AF	175	0	175	-	-	-	-	-	-	-	-	-	-	15	15	15	15	15	15	15	15	14	14	14	14	14					0		
1	2023	FMS <sup>(#)</sup>	118	0	118	-	-	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10	9	9					0		
1	2023	NAVY <sup>(#)</sup>	80	0	80	-	-	-	-	-	-	-	-	-	-	8	8	8	7	7	6	6	6	6	6	6	6	6					0		
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>373</b>	<b>0</b>	<b>373</b>	-	-	-	-	-	-	-	-	-	<b>33</b>	<b>33</b>	<b>33</b>	<b>32</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>29</b>	-	-	-	-	<b>0</b>				
1	2024	AF	143	0	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12		119		
1	2024	FMS <sup>(#)</sup>	8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4		0		
1	2024	NAVY <sup>(#)</sup>	94	0	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9		77		
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>245</b>	<b>0</b>	<b>245</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>24</b>	<b>25</b>		<b>196</b>			
Captive Air Training Missile (CATM) - Block II																																			
Prior Years Deliveries: 493																																			
2	2019	AF <sup>(4)</sup>	15	15	0																												0		
2	2019	FMS <sup>(#)(5)</sup>	34	34	0																													0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						





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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** M09HAI / Sidewinder (AIM-9X) **Item Number / Title [DODIC]:** Sidewinder (AIM-9X)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027													Fiscal Year 2028													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round - Block II																																	
Prior Years Deliveries: 1733																																	
	1	2019	AF <sup>(1)</sup>	176	176	0																							0				
	1	2019	FMS <sup>(#)(2)</sup>	190	190	0																							0				
	1	2019	NAVY <sup>(#)(3)</sup>	235	235	0																							0				
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>601</b>	<b>601</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
	1	2020	AF	303	303	0																							0				
	1	2020	FMS <sup>(#)</sup>	199	199	0																							0				
	1	2020	NAVY <sup>(#)</sup>	229	229	0																							0				
	<b>1</b>	<b>2020</b>	<b>Total</b>	<b>731</b>	<b>731</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
	1	2021	AF	187	187	0																							0				
	1	2021	FMS <sup>(#)</sup>	84	84	0																							0				
	1	2021	NAVY <sup>(#)</sup>	217	217	0																							0				
	<b>1</b>	<b>2021</b>	<b>Total</b>	<b>488</b>	<b>488</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
	1	2022	AF	150	150	0																							0				
	1	2022	FMS <sup>(#)</sup>	157	157	0																							0				
	1	2022	NAVY <sup>(#)</sup>	85	85	0																							0				
	<b>1</b>	<b>2022</b>	<b>Total</b>	<b>392</b>	<b>392</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
	1	2023	AF	175	175	0																							0				
	1	2023	FMS <sup>(#)</sup>	118	118	0																							0				
	1	2023	NAVY <sup>(#)</sup>	80	80	0																							0				
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>373</b>	<b>373</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
	1	2024	AF	143	24	119	12	12	12	12	12	12	12	12	11														0				
	1	2024	FMS <sup>(#)</sup>	8	8	0	-	-	-	-	-	-	-	-															0				
	1	2024	NAVY <sup>(#)</sup>	94	17	77	8	8	8	8	8	8	7	7	7													0					
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>245</b>	<b>49</b>	<b>196</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>19</b>	<b>19</b>	<b>18</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>					
Captive Air Training Missile (CATM) - Block II																																	
Prior Years Deliveries: 493																																	
	2	2019	AF <sup>(4)</sup>	15	15	0																							0				
	2	2019	FMS <sup>(#)(5)</sup>	34	34	0																							0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> M09HAI / Sidewinder (AIM-9X)	<b>Item Number / Title [DODIC]:</b> Sidewinder (AIM-9X)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Raytheon Missile Systems - Tucson, AZ	300	600	1,400	0	0	0	0	0	0	6	29	35
2	Raytheon Missile Systems - Tucson, AZ	300	600	1,400	0	0	0	0	0	0	6	29	35

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

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

**Footnotes:**

- (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (4) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (5) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (6) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** MAMRA0 / AMRAAM

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207163F

**Line Item MDAP/MAIS Code:** 185

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> )	10,526	317	271	457	-	457	462	664	118	9	27	12,851
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	10,476.823	326.350	320.056	489.049	-	489.049	517.189	737.001	186.331	39.899	141.836	13,234.534
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	0.000	0.000	-	0.000	70.803	70.803	70.804	0.000	-	212.410
Net Procurement (P-1) ( <i>\$ in Millions</i> )	10,476.823	326.350	320.056	489.049	-	489.049	446.386	666.198	115.527	39.899	141.836	13,022.124
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	0.000	0.000	212.410	-	212.410	0.000	0.000	0.000	0.000	-	212.410
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>10,476.823</b>	<b>326.350</b>	<b>320.056</b>	<b>701.459</b>	<b>-</b>	<b>701.459</b>	<b>446.386</b>	<b>666.198</b>	<b>115.527</b>	<b>39.899</b>	<b>141.836</b>	<b>13,234.534</b>

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

Initial Spares ( <i>\$ in Millions</i> )	91.908	3.003	3.165	2.286	-	2.286	2.332	2.360	2.401	2.452	8.573	118.480
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	0.995	1.029	1.181	1.070	-	1.070	1.119	1.110	1.579	4.433	5.253	1.030

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

The Advanced Medium Range Air-to-Air Missile (AMRAAM) is a joint United States Air Force (USAF)/United States Navy (USN), Acquisition Category 1C program with USAF as lead service. AMRAAM is the premier all-weather, all-environment radar guided missile with improved capabilities against very low and high-altitude targets in an electronic attack environment. The current AMRAAM AIM-120D variant delivers improved performance via Global Positioning System (GPS) aided navigation; two way datalink capability for enhanced aircrew survivability and improved network compatibility; and incorporates new guidance software that improves kinematic performance and weapon effectiveness.

FY24 continues procurement and support of AMRAAM for the USAF and USN in Lot 38 and provides Economic Order Quantities financing for lots 38-41. USAF funds will procure 457 AMRAAM missiles in support of warfighter requirements. Missile configurations may vary based on warfighter needs, which include assets used for training and Weapon System Evaluation Program (WSEP).

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

Differences in USAF and USN All Up Round (AUR) Unit Cost is the result of the variations in procurement of missile types by each service.

Funding for this exhibit contained in PE 0207163F

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** MAMRA0 / AMRAAM

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207163F

**Line Item MDAP/MAIS Code:** 185

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-5	AMRAAM	P-5a, P-21	A		10,526 / 10,476.823	317 / 326.350	271 / 320.056	457 / 489.049	- / -	457 / 489.049
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>10,526 / 10,476.823</b>	<b>317 / 326.350</b>	<b>271 / 320.056</b>	<b>457 / 489.049</b>	<b>- / -</b>	<b>457 / 489.049</b>

\*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 continues procurement and support of AMRAAM for the USAF and USN in Lot 38. USAF funds will procure 457 AMRAAM missiles in support of warfighter requirements. Missile configurations may vary based on warfighter needs, which include assets used for training and Weapon System Evaluation Program (WSEP).  
  
 Funding provides for test and technical production support, procurement of training equipment and test equipment/test equipment upgrades to support the AMRAAM configurations. Additionally, funding is used to resolve production Diminishing Manufacturing Sources and Material Shortages, obsolescence issues, studies, bridge buys, life of type buys, supplier/parts replacement and qualification activities to preserve future production capabilities and capacities.  
  
 Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, US Code Section 3069 BUY-TO-BUDGET ACQUISITION.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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**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
Procurement Quantity (Units in Each)	10,526	317	271	457	-	457
Gross/Weapon System Cost (\$ in Millions)	10,476.823	326.350	320.056	489.049	-	489.049
Less PY Advance Procurement (\$ in Millions)	-	-	0.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)	10,476.823	326.350	320.056	489.049	-	489.049
Plus CY Advance Procurement (\$ in Millions)	-	0.000	0.000	212.410	-	212.410
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10,476.823</b>	<b>326.350</b>	<b>320.056</b>	<b>701.459</b>	-	<b>701.459</b>

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

Initial Spares (\$ in Millions)	91.908	3.003	3.165	2.286	-	2.286
Gross/Weapon System Unit Cost (\$ in Millions)	0.995	1.029	1.181	1.070	-	1.070

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Hardware - Hardware End Item Cost</b>																		
Recurring Cost																		
AIM-120 Missile All Up Round (AUR) <sup>(1)</sup>	0.891	10,042	8,945.075	0.880	317	278.884	0.972	271	263.412	0.942	457	430.509	-	-	-	0.942	457	430.509
AIM-120 Missile Captive Air Training Missile (CATM)	0.619	484	299.416	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Warranty	-	-	70.328	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Diminishing Manufacturing Sources/Material Shortages (DMS/MS)	-	-	553.856	-	-	18.993	-	-	13.904	-	-	9.130	-	-	-	-	-	9.130
Tooling and Test Equipment	-	-	141.664	-	-	2.948	-	-	2.211	-	-	7.489	-	-	-	-	-	7.489
Engineering Change Orders	-	-	2.755	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	<i>10,013.094</i>	-	-	<i>300.825</i>	-	-	<i>279.527</i>	-	-	<i>447.128</i>	-	-	-	-	-	<i>447.128</i>
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	<i>10,013.094</i>	-	-	<i>300.825</i>	-	-	<i>279.527</i>	-	-	<i>447.128</i>	-	-	-	-	-	<i>447.128</i>
<b>Ancillary Equipment - Ancillary Equipment End Item Cost</b>																		
Recurring Cost																		
Containers and Cables	-	-	13.055	-	-	1.250	-	-	1.275	-	-	1.301	-	-	-	-	-	1.301
<i>Subtotal: Recurring Cost</i>	-	-	<i>13.055</i>	-	-	<i>1.250</i>	-	-	<i>1.275</i>	-	-	<i>1.301</i>	-	-	-	-	-	<i>1.301</i>
<i>Subtotal: Ancillary Equipment -</i>	-	-	<i>13.055</i>	-	-	<i>1.250</i>	-	-	<i>1.275</i>	-	-	<i>1.301</i>	-	-	-	-	-	<i>1.301</i>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM						<b>Item Number / Title [DODIC]:</b> AMRAAM					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Ancillary/Equipment End Item Cost</i>																		
<b>Support - Support End Item Cost</b>																		
Production Test/Support	-	-	143.691	-	-	1.152	-	-	3.891	-	-	3.969	-	-	-	-	-	3.969
Program Support Costs (PSC) Other Government Costs	-	-	33.953	-	-	1.386	-	-	1.414	-	-	1.443	-	-	-	-	-	1.443
PSC Contractor Services	-	-	28.516	-	-	2.751	-	-	2.807	-	-	2.863	-	-	-	-	-	2.863
Training Equipment	-	-	244.514	-	-	18.986	-	-	31.142	-	-	32.345	-	-	-	-	-	32.345
<i>Subtotal: Support - Support End Item Cost</i>	-	-	<b>450.674</b>	-	-	<b>24.275</b>	-	-	<b>39.254</b>	-	-	<b>40.620</b>	-	-	-	-	-	<b>40.620</b>
<b>Gross/Weapon System Cost</b>	<b>0.995</b>	<b>10,526</b>	<b>10,476.823</b>	<b>1.029</b>	<b>317</b>	<b>326.350</b>	<b>1.181</b>	<b>271</b>	<b>320.056</b>	<b>1.070</b>	<b>457</b>	<b>489.049</b>	-	-	-	<b>1.070</b>	<b>457</b>	<b>489.049</b>

**Remarks:**

- 1) Lot 36 Contract awarded in August 2022; Lot 37 will be awarded April 2023.
- 2) Unit cost quantity dependent. Changes in total quantity directly impacts unit price for USAF, USN, and Foreign Military Sales. The Total Prior Years Weapon System Cost Element, Prior Years column entries are composite numbers for all AIM-120 variants.
- 3) The Production/Test Support cost element includes costs such as engineering studies, technical support, network security, and modification of special test assets.
- 4) The Training Equipment cost element includes telemetry instrumentation units to support Weapon System Evaluation Program (WSEP) and modification of telemetry components to maintain compatibility with F-22, F-35 and test range infrastructure.
- 5) CATMS: Total Procurement objective includes CATMS & AUR. Quantity subject to changes based on warfighter requirements.

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



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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2019	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Dec 2019	Aug 2021	190	0.891	Y		Nov 2017
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2020	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Mar 2021	Jan 2024	89	0.891	Y		Sep 2018
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2021	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Mar 2022	Oct 2024	269	0.100	Y		Sep 2018
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2022	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Aug 2022	Mar 2025	317	0.880	Y		Sep 2018
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2023	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Apr 2023	Aug 2026	271	0.972	Y		Sep 2021
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		2024	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Sep 2024	Dec 2027	457	0.942	Y		Sep 2021
<b>Advance Procurement</b>												
AIM-120 Missile All Up Round (AUR)		2024	Raytheon Missile Systems / Tucson, AZ	SS / FPIF	Eglin AFB	Sep 2024	Dec 2027	457	0.465	Y		Sep 2021

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Unit Cost is quantity dependent; changes in total quantity directly impact unit price for USAF, USN, and Foreign Military Sales.

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
AIM-120 Missile All Up Round (AUR)																																	
Prior Years Deliveries: 9494																																	
	1	2019	AF <sup>(1)</sup>	190	0	190				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	141		
	1	2019	FMS <sup>(2)</sup>	434	0	434				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-	360		
	1	2019	NAVY <sup>(3)</sup>	165	0	165				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118	-	47		
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>789</b>	<b>0</b>	<b>789</b>				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>241</b>	-	<b>548</b>			
	1	2020	AF	89	0	89																									89		
	1	2020	FMS <sup>(2)</sup>	300	0	300																										300	
	1	2020	NAVY <sup>(2)</sup>	187	0	187																										187	
	<b>1</b>	<b>2020</b>	<b>Total</b>	<b>576</b>	<b>0</b>	<b>576</b>																										<b>576</b>	
	1	2021	AF	269	0	269																										269	
	1	2021	FMS <sup>(2)</sup>	164	0	164																										164	
	1	2021	NAVY <sup>(2)</sup>	197	0	197																										197	
	<b>1</b>	<b>2021</b>	<b>Total</b>	<b>630</b>	<b>0</b>	<b>630</b>																										<b>630</b>	
	1	2022	AF	317	0	317																										317	
	1	2022	FMS <sup>(2)</sup>	547	0	547																										547	
	1	2022	NAVY <sup>(2)</sup>	85	0	85																										85	
	<b>1</b>	<b>2022</b>	<b>Total</b>	<b>949</b>	<b>0</b>	<b>949</b>																										<b>949</b>	
	1	2023	AF	271	0	271																										271	
	1	2023	FMS <sup>(2)</sup>	364	0	364																										364	
	1	2023	NAVY <sup>(2)</sup>	332	0	332																										332	
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>967</b>	<b>0</b>	<b>967</b>																										<b>967</b>	
	1	2024	AF	457	0	457																										457	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** MAMRA0 / AMRAAM **Item Number / Title [DODIC]:** AMRAAM

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2022													Fiscal Year 2023													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
AIM-120 Missile All Up Round (AUR)																																	
Prior Years Deliveries: 9494																																	
1	2019	AF <sup>(1)</sup>	190	49	141	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94		0				
1	2019	FMS <sup>(2)</sup>	434	74	360	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286		0				
1	2019	NAVY <sup>(3)</sup>	165	118	47	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-		0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>789</b>	<b>241</b>	<b>548</b>	-	-	-	-	<b>151</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>17</b>	<b>380</b>	-	-	<b>0</b>			
1	2020	AF	89	0	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89				
1	2020	FMS <sup>(2)</sup>	300	0	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300				
1	2020	NAVY <sup>(2)</sup>	187	0	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>576</b>	<b>0</b>	<b>576</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>576</b>				
1	2021	AF	269	0	269						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269				
1	2021	FMS <sup>(2)</sup>	164	0	164						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	164				
1	2021	NAVY <sup>(2)</sup>	197	0	197						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>630</b>	<b>0</b>	<b>630</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>630</b>				
1	2022	AF	317	0	317										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	317				
1	2022	FMS <sup>(2)</sup>	547	0	547										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	547				
1	2022	NAVY <sup>(2)</sup>	85	0	85										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	85				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>949</b>	<b>0</b>	<b>949</b>										-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>949</b>				
1	2023	AF	271	0	271																						A -	-	271				
1	2023	FMS <sup>(2)</sup>	364	0	364																						A -	-	364				
1	2023	NAVY <sup>(2)</sup>	332	0	332																						A -	-	332				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>967</b>	<b>0</b>	<b>967</b>																						-	-	<b>967</b>				
1	2024	AF	457	0	457																								457				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** MAMRA0 / AMRAAM **Item Number / Title [DODIC]:** AMRAAM

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
AIM-120 Missile All Up Round (AUR)																																	
Prior Years Deliveries: 9494																																	
1	2019	AF <sup>(1)</sup>	190	190	0																								0				
1	2019	FMS <sup>(2)</sup>	434	434	0																								0				
1	2019	NAVY <sup>(3)</sup>	165	165	0																								0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>789</b>	<b>789</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2020	AF	89	0	89	-	-	-	16	-	-	46	-	-	5	-	-	22											0				
1	2020	FMS <sup>(2)</sup>	300	0	300	-	-	-	75	-	-	75	-	-	75	-	-	75											0				
1	2020	NAVY <sup>(2)</sup>	187	0	187	-	-	-	85	-	-	39	-	-	30	-	-	33											0				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>576</b>	<b>0</b>	<b>576</b>	-	-	-	<b>176</b>	-	-	<b>160</b>	-	-	<b>110</b>	-	-	<b>130</b>	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2021	AF	269	0	269	-	-	-	-	-	-	-	-	-	-	-	67	-	-	67	-	-	68	-	-	67	-	-	0				
1	2021	FMS <sup>(2)</sup>	164	0	164	-	-	-	-	-	-	-	-	-	-	-	41	-	-	41	-	-	41	-	-	41	-	-	0				
1	2021	NAVY <sup>(2)</sup>	197	0	197	-	-	-	-	-	-	-	-	-	-	-	35	-	-	36	-	-	36	-	-	30	-	-	60				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>630</b>	<b>0</b>	<b>630</b>	-	-	-	-	-	-	-	-	-	-	-	<b>143</b>	-	-	<b>144</b>	-	-	<b>145</b>	-	-	<b>138</b>	-	-	<b>60</b>				
1	2022	AF	317	0	317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	238				
1	2022	FMS <sup>(2)</sup>	547	0	547	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	-	-	411				
1	2022	NAVY <sup>(2)</sup>	85	0	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	64				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>949</b>	<b>0</b>	<b>949</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>236</b>	-	-	<b>713</b>				
1	2023	AF	271	0	271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271				
1	2023	FMS <sup>(2)</sup>	364	0	364	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	364				
1	2023	NAVY <sup>(2)</sup>	332	0	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	332				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>967</b>	<b>0</b>	<b>967</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>967</b>				
1	2024	AF	457	0	457												A	-	-	-	-	-	-	-	-	-	-	-	457				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date: March 2023**

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026													Fiscal Year 2027													BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
AIM-120 Missile All Up Round (AUR)																																			
Prior Years Deliveries: 9494																																			
1	2019	AF <sup>(1)</sup>	190	190	0																														0
1	2019	FMS <sup>(#)</sup> (2)	434	434	0																														0
1	2019	NAVY <sup>(#)</sup> (3)	165	165	0																														0
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>789</b>	<b>789</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2020	AF	89	89	0																														0
1	2020	FMS <sup>(#)</sup>	300	300	0																														0
1	2020	NAVY <sup>(#)</sup>	187	187	0																														0
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>576</b>	<b>576</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2021	AF	269	269	0	-																													0
1	2021	FMS <sup>(#)</sup>	164	164	0	-																													0
1	2021	NAVY <sup>(#)</sup>	197	137	60	37																													23
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>630</b>	<b>570</b>	<b>60</b>	<b>37</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>23</b>	
1	2022	AF	317	79	238	79	-	-	79	-	-	80																							0
1	2022	FMS <sup>(#)</sup>	547	136	411	136	-	-	137	-	-	138																							0
1	2022	NAVY <sup>(#)</sup>	85	21	64	21	-	-	21	-	-	22																							0
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>949</b>	<b>236</b>	<b>713</b>	<b>236</b>	-	-	<b>237</b>	-	-	<b>240</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2023	AF	271	0	271	-	-	-	-	-	-	-	-	-	67	-	-	68	-	-	68	-	-	-									68		
1	2023	FMS <sup>(#)</sup>	364	0	364	-	-	-	-	-	-	-	-	-	91	-	-	91	-	-	91	-	-	-									91		
1	2023	NAVY <sup>(#)</sup>	332	0	332	-	-	-	-	-	-	-	-	-	82	-	-	82	-	-	84	-	-	84									0		
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>967</b>	<b>0</b>	<b>967</b>	-	-	-	-	-	-	-	-	-	<b>240</b>	-	-	<b>241</b>	-	-	<b>243</b>	-	-	<b>84</b>	-	-	-	-	-	-	-	<b>159</b>			
1	2024	AF	457	0	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								457		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2028														Fiscal Year 2029														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	Calendar Year 2028														Calendar Year 2029														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
AIM-120 Missile All Up Round (AUR)																																			
Prior Years Deliveries: 9494																																			
1	2019	AF <sup>(1)</sup>	190	190	0																								0						
1	2019	FMS <sup>(‡)</sup> (2)	434	434	0																								0						
1	2019	NAVY <sup>(‡)</sup> (3)	165	165	0																								0						
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>789</b>	<b>789</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
1	2020	AF	89	89	0																								0						
1	2020	FMS <sup>(‡)</sup>	300	300	0																								0						
1	2020	NAVY <sup>(‡)</sup>	187	187	0																								0						
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>576</b>	<b>576</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
1	2021	AF	269	269	0																								0						
1	2021	FMS <sup>(‡)</sup>	164	164	0																								0						
1	2021	NAVY <sup>(‡)</sup>	197	174	23																								23						
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>630</b>	<b>607</b>	<b>23</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>23</b>						
1	2022	AF	317	317	0																								0						
1	2022	FMS <sup>(‡)</sup>	547	547	0																								0						
1	2022	NAVY <sup>(‡)</sup>	85	85	0																								0						
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>949</b>	<b>949</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
1	2023	AF	271	203	68																								68						
1	2023	FMS <sup>(‡)</sup>	364	273	91																								91						
1	2023	NAVY <sup>(‡)</sup>	332	332	0																								0						
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>967</b>	<b>808</b>	<b>159</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>159</b>						
1	2024	AF	457	0	457																								0						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>Item Number / Title [DODIC]:</b> AMRAAM
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Raytheon Missile Systems - Tucson, AZ	400	400	1,200	0	0	0	0	14	12	39	51

**Remarks:**  
Due to Service specific guidance, differences exist between USAF and DoN Initial and Reorder Procurement Leadtime.

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

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

- Footnotes:**
- (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
  - (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
  - (3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical					<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM							
<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> 0207163F							
<b>Line Item MDAP/MAIS Code:</b> 185												

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	212.410	-	212.410	0.000	0.000	0.000	0.000	-	212.410
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	212.410	-	212.410	0.000	0.000	0.000	0.000	-	212.410
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>0.000</b>	<b>0.000</b>	<b>212.410</b>	-	<b>212.410</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>212.410</b>

**Description:**

In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** MAMRA0 / AMRAAM

**Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207163F

**Line Item MDAP/MAIS Code:** 185

Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	AMRAAM			10,526 / -	317 / 0.000	271 / 0.000	457 / 212.410	- / -	457 / 212.410
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>10,526 / -</b>	<b>317 / 0.000</b>	<b>271 / 0.000</b>	<b>457 / 212.410</b>	<b>- / -</b>	<b>457 / 212.410</b>

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

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

**Justification:**  
 In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Air Force					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2			<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM			<b>P-5 Number / Title:</b> AMRAAM	
<b>First System (2024) Award Date:</b> September 2024		<b>First System (2024) Completion Date:</b> September 2028			<b>Interval Between Systems:</b> 48 Months		
<b>AMRAAM</b>		<b>Production Leadtime</b> <i>(Months)</i>	<b>Prior Years</b> <i>(Each)</i>	<b>FY 2022</b> <i>(Each)</i>	<b>FY 2023</b> <i>(Each)</i>	<b>FY 2024</b> <i>(Each)</i>	
Quantity		40	10,526	317	271	457	
<b>Cost Elements</b>		<b>When Required</b> <i>(Months)</i>	<b>Prior Years</b> <i>(\$ M)</i>	<b>FY 2022</b> <i>(\$ M)</i>	<b>FY 2023</b> <i>(\$ M)</i>	<b>FY 2024</b> <i>(\$ M)</i>	
<b>EOQ</b>							
AIM-120 Missile All Up Round (AUR) <sup>(†)</sup>		40	-	-	-	212.410	
<i>Total: EOQ</i>			-	-	-	212.410	
<b>Total Advance Procurement/Obligation Authority</b>			-	<b>0.000</b>	<b>0.000</b>	<b>212.410</b>	

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**Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> MAMRA0 / AMRAAM	<b>P-5 Number / Title:</b> AMRAAM
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Cost Elements	QPA <i>(Each)</i>	FY 2024					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	
<b>EOQ</b>							
AIM-120 Missile All Up Round (AUR) <sup>(t)</sup>	-	40	0.465	Sep 2024	457		212.410
<i>Total: EOQ</i>							212.410
<b>Total Advance Procurement/Obligation Authority</b>							<b>212.410</b>

**Description:**  
 In the FY 2024 budget request, the Department is initiating a Multiyear Procurement (MYP) strategy for AMRAAM; JASSM; LRASM; and Standard Missile-6, under the Large Lot Procurement (LLP) concept in which individual MYPs would be executed in a concurrent and overlapping multiyear strategy so that synergies in production across different but related programs can generate efficiencies and result in greater production capacity, accelerated delivery, and lower unit costs. LLP represents an evolution of the existing MYP contracting and financing strategy, that leverages the savings generated through the use of Economic Order Quantities (EOQ) financing to procure additional lots of missiles under a Buy-to-budget concept, to further improve efficiencies and yields.

\*\*Note - EOQ was calculated as 15% of the Procurement Funding associated with a MYP contract beginning with a contract award in FY24 and culminating in FY27. The EOQ funding is NOT calculated using a single year procurement quantity or funding amount.

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

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** PRDTA2 / Predator Hellfire Missile

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

**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> )	-	695	-	-	-	-	-	-	-	-	-	695
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	483.180	103.684	1.040	1.049	-	1.049	0.000	0.000	0.000	0.000	-	588.953
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	483.180	103.684	1.040	1.049	-	1.049	0.000	0.000	0.000	0.000	-	588.953
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>483.180</b>	<b>103.684</b>	<b>1.040</b>	<b>1.049</b>	<b>-</b>	<b>1.049</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>588.953</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	0.131	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	0.149	-	-	-	-	-	-	-	-	-	0.847

**Description:**

The Army is the Lead Service for the HELLFIRE Missile program with Air Force missiles being procured through the Army's Redstone Arsenal. HELLFIRE missiles (all variants) provide precision-kill capability and has become a key weapon in overseas operations. Laser HELLFIRE uses semi-active laser terminal guidance. The latest variant provides for point target precision strike and is effective against countermeasures. The HELLFIRE missiles are used by the MQ-9 Reaper aircraft.

HELLFIRE procurement funding supports the entire HELLFIRE system to include resolution of obsolescence, end-of-life buys, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, modifications, facilitation, production ramp-up activities and production issues. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. HELLFIRE unit cost may vary based on procurement quantities of Lead Service, other Services and/or Foreign Military Sales (FMS) for HELLFIRE. Prior to FY08, HELLFIRE missiles were procured under the Predator PE 0305219F.

Note: These funds may also procure inventoried items which may not be procured on an annual basis and could be required on an emerging basis. Variations to cover critical shortfalls to inventory objectives as well as actual and planned expenditures will be addressed during execution year. Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Funding for this exhibit contained in PE 0201109F.

**Justification:**

FY24 budget request will be used for end item support, delivery/shipping charges, and other general administrative costs.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SDB000 / Small Diameter Bomb

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207327F **Other Related Program Elements:** 0207327F

**Line Item MDAP/MAIS Code:** 439

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> )	37,377	793	356	874	-	874	604	511	529	1,160	-	42,204
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,070.944	65.214	46.475	48.734	-	48.734	42.177	41.682	44.503	84.408	0.000	2,444.137
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,070.944	65.214	46.475	48.734	-	48.734	42.177	41.682	44.503	84.408	0.000	2,444.137
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,070.944</b>	<b>65.214</b>	<b>46.475</b>	<b>48.734</b>	<b>-</b>	<b>48.734</b>	<b>42.177</b>	<b>41.682</b>	<b>44.503</b>	<b>84.408</b>	<b>0.000</b>	<b>2,444.137</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	0.051	0.050	0.077	0.049	-	0.049	0.058	0.070	0.070	0.068	-	0.053
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	0.055	0.082	0.131	0.056	-	0.056	0.070	0.082	0.084	0.073	-	0.058

**Description:**

GBU-39/B: Small Diameter Bomb Increment I (SDB I) is an Air Force ACAT II program providing increased kills per sortie on current and future aircraft platforms. SDB I addresses the following specific warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather; precision munitions capability; capability against fixed and stationary targets; reduced munitions footprint; increased weapons effectiveness; minimized potential for collateral damage; reduced susceptibility of munitions to countermeasures; and standoff or Close Air Support (CAS) operational capability. Threshold aircraft is the F-15E. Objective aircraft include: F-22A, F-16C/D Block 30/40/50, F-35A, B-1, A-10, B-52, B-21, MQ-9, and AC-130W/J. Integrated platforms include: F-15E, F-22A, AC-130W/J, F-16C/D Block 30/40/50, and F-35A. SDB I completed IOT&E in Jun 2006 and commenced Full Rate Production (FRP) in Dec 2006.

GBU-39A/B: Small Diameter Bomb I Focused Lethality Munition (FLM) is a low collateral damage variant of SDB I. FLM has a carbon fiber warhead case which disintegrates upon fill detonation, minimizing fragmentation effects to personnel and property.

GBU-39B/B: Laser SDB is a laser variant of the baseline SDB I. Laser SDB is a 250-pound class, air-launched weapon with deployable wings to achieve standoff range, has a laser seeker to self-target and a GPS-only mode, has a Height-Of-Burst (HOB) fuze to provide selectable weapons effects, and has a penetration warhead.

SDB I weapons and weapon containers are procured together as a system. Individual containers can be procured separately as requirements dictate. SDB I procurement supports current combat operations and replenishment of SDB I weapons and its variants used in these operations. It leverages common component development, in collaboration with other weapon systems, to reduce redundant costs between systems with similar subsystems requirements. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. For example the integration of a qualified Strategic Anti-Jam Beam-forming Receiver (SABR-Y) and M-Code capable GPS receivers. Funding may also be used to resolve performance deficiencies identified in the system. This will be accomplished through studies, bridge buys, life of type buys, supplier/parts replacement, and qualification (including flight/ground test activities) to preserve future production capabilities and capacities.

GBU-53/B: Small Diameter Bomb Increment II (SDB II) quantities and obligation authority were included in SDB000 for FY2018 and earlier. Reference BP20 SDB002 for SDB II FY19 and out.

The BY2024 funding request was reduced by \$5.000 million to account for the availability of prior year execution balances

Funding for this exhibit is contained in PE 0207330F. Funding was contained in PE 0207327F for FY22 and prior.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SDB000 / Small Diameter Bomb

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207327F **Other Related Program Elements:** 0207327F

**Line Item MDAP/MAIS Code:** 439

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-5	Small Diameter Bomb	P-5a, P-21	B		37,377 / 2,070.944	793 / 65.214	356 / 46.475	874 / 48.734	- / -	874 / 48.734
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>37,377 / 2,070.944</b>	<b>793 / 65.214</b>	<b>356 / 46.475</b>	<b>874 / 48.734</b>	<b>- / -</b>	<b>874 / 48.734</b>

\*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:**  
FY2024 budget request will procure 874 weapons.

Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.



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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB000 / Small Diameter Bomb	<b>Item Number / Title [DODIC]:</b> Small Diameter Bomb
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**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
Procurement Quantity (Units in Each)	37,377	793	356	874	-	874
Gross/Weapon System Cost (\$ in Millions)	2,070.944	65.214	46.475	48.734	-	48.734
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,070.944	65.214	46.475	48.734	-	48.734
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,070.944</b>	<b>65.214</b>	<b>46.475</b>	<b>48.734</b>	<b>-</b>	<b>48.734</b>

*(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)	0.055	0.082	0.131	0.056	-	0.056

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway - Flyaway End Item Cost</b>																		
Recurring Cost																		
SDB Increment II All Up Round Weapon	0.152	1,276	193.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weapon Containers	-	-	3.918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SDB Increment I <sup>(†)</sup>	0.043	37,329	1,616.744	0.050	793	39.277	0.077	356	27.458	0.049	874	43.099	-	-	-	0.049	874	43.099
Focused Lethality Munition	-	-	96.541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SDB Increment II Test Vehicle	-	-	9.154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,920.295</i>	-	-	<i>39.277</i>	-	-	<i>27.458</i>	-	-	<i>43.099</i>	-	-	-	-	-	<i>43.099</i>
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	<i>1,920.295</i>	-	-	<i>39.277</i>	-	-	<i>27.458</i>	-	-	<i>43.099</i>	-	-	-	-	-	<i>43.099</i>
<b>Support - Support End Item Cost</b>																		
Training Equipment	-	-	2.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operational Flight Program Updates & Test	-	-	22.800	-	-	0.025	-	-	3.350	-	-	0.575	-	-	-	-	-	0.575
Logistics Support	-	-	0.654	-	-	0.000	-	-	0.060	-	-	0.060	-	-	-	-	-	0.060
Production Testing	-	-	50.945	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
PSC Contractor Services	-	-	12.813	-	-	1.052	-	-	1.445	-	-	1.300	-	-	-	-	-	1.300
PSC Other Government Costs	-	-	3.300	-	-	0.036	-	-	0.100	-	-	0.200	-	-	-	-	-	0.200
Obsolescence Contracts	-	-	36.550	-	-	0.000	-	-	9.120	-	-	-	-	-	-	-	-	-
Integration	-	-	20.687	-	-	24.824	-	-	4.942	-	-	3.500	-	-	-	-	-	3.500

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB000 / Small Diameter Bomb	<b>Item Number / Title [DODIC]:</b> Small Diameter Bomb
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Support End Item Cost</i>	-	-	150.649	-	-	25.937	-	-	19.017	-	-	5.635	-	-	-	-	-	5.635
<b>Gross/Weapon System Cost</b>	0.055	37,377	2,070.944	0.082	793	65.214	0.131	356	46.475	0.056	874	48.734	-	-	-	0.056	874	48.734

**Remarks:**

Actual procurement for FY23: 545, actual unit cost \$.050M

- SDB Increment I: FY2023 to FY2024 unit cost decrease is due to economic scale
- Operational Flight Program and Updates & Test: FY2023 increase due to OFP block upgrade. FY2023 to FY2024 decrease returns program to baseline funding level to support annual testing.
- Obsolescence Contracts: FY2023 increase due to expected FY2023 SMC-2 Cyber option award. FY2023 to FY2024 decrease due to one-time award.
- Integration: FY23 decrease due to expected ramp down and completion of M-Code; additional support for, but not limited to, integration efforts to support Block 18.1 OFP and SMC-2. FY2023 to FY2024 decrease due to completion of SABR-Y and Block 21 OFP integration.

PSC Contractor Services: Engineering, Professional, and Administrative Support Services (EPASS) contract support.  
PSC Other Government Costs: Travel, Government Purchase Card (GPC) and Central Supporter.

FY23 procurement will combine with expected FMS buys to meet MOQ requirement.

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

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB000 / Small Diameter Bomb	<b>Item Number / Title [DODIC]:</b> Small Diameter Bomb
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SDB Increment I <sup>(†)</sup>		2019	Boeing / St Louis MO	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Sep 2020	Mar 2021	5,069	0.036	Y		Jul 2018
SDB Increment I <sup>(†)</sup>		2020	Boeing / St Louis MO	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Nov 2020	Jul 2023	4,475	0.031	Y		Jan 2020
SDB Increment I <sup>(†)</sup>		2021	Boeing / St Louis MO	SS / FPIF	AFLCMC Hill AFB	Nov 2021	Apr 2024	525	0.051	Y		Jan 2021
SDB Increment I <sup>(†)</sup>		2022	Boeing / St Louis MO	SS / FPIF	AFLCMC Hill AFB	Mar 2023	Jul 2024	793	0.050	Y		Mar 2021
SDB Increment I <sup>(†)</sup>		2023	Boeing / St Louis MO	SS / FPIF	AFLCMC Hill AFB	Sep 2023	Sep 2024	356	0.077	Y		Aug 2022
SDB Increment I <sup>(†)</sup>		2024	Boeing / St Louis MO	SS / FPIF	AFLCMC Hill AFB	Mar 2024	Mar 2025	874	0.049	Y		Aug 2022

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

- SDB I FY2022 and FY2023 funding to obligate on Lot 18 contract in 2QFY2023
- SDB I FY2023 funding to obligate on Lot 19 contract in 4QFY2023.
- RFP issued Aug 2022 for L-SDB pricing
- Aug 2022 issue RFP for follow on IDIQ contract with a 10-year ordering period consisting of an initial 5-year ordering period with pricing and an additional 5-year ordering period to be priced at a later date.
- SDB I FY2024 funding to obligate on Lot 20, first year of follow-on contract in 2QFY2024
- Start of deliveries for FY2023-FY2027 reflect a one year deliver schedule.



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** SDB000 / Small Diameter Bomb **Item Number / Title [DODIC]:** Small Diameter Bomb

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2022													Fiscal Year 2023													BALANCE					
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
SDB Increment I																																				
Prior Years Deliveries: 27260																																				
1	2019	AF <sup>(1)</sup>	5,069	2,387	2,682	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	537	537	537	537	534	-	-	0
1	2019	FMS <sup>(#)(2)</sup>	1,420	948	472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	157	157	158	-	-	-	0	
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>6,489</b>	<b>3,335</b>	<b>3,154</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>694</b>	<b>694</b>	<b>695</b>	<b>537</b>	<b>534</b>	-	-	<b>0</b>	
1	2020	AF	4,475	0	4,475	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	525	750	200	3,000	
1	2020	FMS <sup>(#)</sup>	563	0	563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	47	469	
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>5,038</b>	<b>0</b>	<b>5,038</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>525</b>	<b>797</b>	<b>247</b>	<b>3,469</b>	
1	2021	AF	525	0	525		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	525	
1	2022	AF	793	0	793																														793	
1	2023	AF	356	0	356																														A - 356	
1	2024	AF	874	0	874																														874	
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	E	A	A	U	U	U	U	U					
							T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	G	P						

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB000 / Small Diameter Bomb	<b>Item Number / Title [DODIC]:</b> Small Diameter Bomb
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
SDB Increment I																																			
Prior Years Deliveries: 27260																																			
1	2019	AF <sup>(1)</sup>	5,069	5,069	0																								0						
1	2019	FMS <sup>(#)(2)</sup>	1,420	1,420	0																								0						
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>6,489</b>	<b>6,489</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
1	2020	AF	4,475	1,475	3,000	200	345	110	256	388	700	525	476	-	-													0							
1	2020	FMS <sup>(#)</sup>	563	94	469	47	47	47	47	47	47	47	47	47	46													0							
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>5,038</b>	<b>1,569</b>	<b>3,469</b>	<b>247</b>	<b>392</b>	<b>157</b>	<b>303</b>	<b>435</b>	<b>747</b>	<b>572</b>	<b>523</b>	<b>47</b>	<b>46</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>							
1	2021	AF	525	0	525	-	-	-	-	-	-	223	225	25	52													0							
1	2022	AF	793	0	793	-	-	-	-	-	-	-	-	67	66	66	66	66	66	66	66	66	66	66	66			0							
1	2023	AF	356	0	356	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30	30	30	30	26	0							
1	2024	AF	874	0	874						A	-	-	-	-	-	-	-	-	-	-	73	73	73	73	73	73	363							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** SDB000 / Small Diameter Bomb **Item Number / Title [DODIC]:** Small Diameter Bomb

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026													Fiscal Year 2027													BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SDB Increment I																																	
Prior Years Deliveries: 27260																																	
1	2019	AF <sup>(1)</sup>	5,069	5,069	0																							0					
1	2019	FMS <sup>(#)(2)</sup>	1,420	1,420	0																							0					
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>6,489</b>	<b>6,489</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>					
1	2020	AF	4,475	4,475	0																							0					
1	2020	FMS <sup>(#)</sup>	563	563	0																							0					
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>5,038</b>	<b>5,038</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>					
1	2021	AF	525	525	0																							0					
1	2022	AF	793	793	0																							0					
1	2023	AF	356	356	0																							0					
1	2024	AF	874	511	363	73	73	73	73	71																		0					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB000 / Small Diameter Bomb	<b>Item Number / Title [DODIC]:</b> Small Diameter Bomb
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Boeing - St Louis MO	750	1,500	10,000	0	0	0	0	0	0	6	12	18

**Remarks:**

FY2019 deliveries delayed until Mar 2023 due to GUM (Ground Unit Mounting) ring non-conformance issue.

FY2020 deliveries delayed until July 2023 due to GUM ring non-conformance issue.

FY2022 deliveries delayed until July 2024 due to GUM ring non-conformance issue.

FY2023 deliveries are below minimum sustainment rate (MSR); however, with FMS and SDB I variants the program will be at or above MSR.

FY2024-FY2027 deliveries are below MSR; however, FMS and SDB I variants may bring total at or above MSR.

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

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

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

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

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

**Footnotes:**

(1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

(2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.



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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SDB002 / SMALL DIAMETER BOMB II

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207327F **Other Related Program Elements:** 0207327F

**Line Item MDAP/MAIS Code:** 439

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> )	1,931	976	1,214	920	-	920	868	866	864	1,100	11,595	20,334
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	479.146	275.934	379.006	291.553	-	291.553	327.758	310.736	281.213	315.496	3,262.708	5,923.550
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	479.146	275.934	379.006	291.553	-	291.553	327.758	310.736	281.213	315.496	3,262.708	5,923.550
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>479.146</b>	<b>275.934</b>	<b>379.006</b>	<b>291.553</b>	<b>-</b>	<b>291.553</b>	<b>327.758</b>	<b>310.736</b>	<b>281.213</b>	<b>315.496</b>	<b>3,262.708</b>	<b>5,923.550</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	1.144	1.154	-	1.154	1.156	-	-	-	-	3.454
Flyaway Unit Cost ( <i>\$ in Millions</i> )	0.183	0.198	0.222	0.209	-	0.209	0.218	0.220	0.222	0.211	0.237	0.224
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	0.248	0.283	0.312	0.317	-	0.317	0.378	0.359	0.325	0.287	0.281	0.291

**Description:**

GBU-53/B: Small Diameter Bomb Increment II (SDB II) StormBreaker is a joint interest United States Air Force (USAF) and Department of Navy (DoN) ACAT IC program, with the USAF as the lead service. SDB II addresses the following war-fighter requirements: attack moving and stationary targets, adverse weather operations, multiple kills per pass, multiple ordinance carriage, precision munitions capability, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, reduced susceptibility of munitions to countermeasures, and provides a network-enabled weapon capability via Link-16 and Ultra High Frequency (UHF) weapon data link. The threshold aircraft for the USAF is the F-15E, and the threshold aircraft for the DoN are the F-35B and F-35C. Objective aircraft include the F-22, F-16, F-35A, B-2, A-10, MQ-9, B-1, B-52, AC-130 and the F/A-18E/F. SDB II is compatible with the Bomb Rack Unit-61 (BRU-61) miniature munitions carriage, Bomb Rack Unit-55 (BRU-55), Type II carriage systems, the CNU-660/E carriage system, the Common Munitions Built In Test (BIT)/Reprogramming Equipment (CMBRE), and the Joint Mission Planning System (JMPS). SDB II will develop and field a single weapon storage container (USAF) and a dual weapon storage container (DoN). SDB II is a key component of the Air Force Global Strike Task Force Concept of Operations (CONOPs).

SDB II completed a competitive Risk Reduction in October 2009 and entered Milestone B Engineering and Manufacturing Development (EMD) in August 2010. A Fixed Price Incentive - Firm Target (FPIF) EMD contract with five options for annual (FY 2015-FY 2019) Low Rate Initial Production (LRIP) lots was awarded in August 2010. SDB II received Milestone C approval to enter LRIP in June 2015 and completed an Acquisition Program Baseline (APB) update. Contract options for LRIP Lots 1-5 have been exercised. Initial Operational Test and Evaluation (IOT&E) started June 2018 and completed May 2019. SDB II was fielded for F-15E in September 2020.

The SDB II program has an approved APB dated 12 May 2022 incorporating the new IO and the new F-35B/C integration schedule. The program of record has been re-baselined to 26,610 AURs (21,610 USAF & 5,000 DoN).

SDB II total procurement costs in this document only include USAF weapons, weapon containers, trainers, reliability captive/test vehicles, tactical to guided test vehicle conversions for Air Combat Command's Weapon System Evaluation Program (WSEP), and SDB II product support. Funds may also be used for non-recurring engineering, integration, test, qualification, production readiness, Tech Refresh and operational readiness of engineering change proposals to resolve safety, reliability or other operational deficiencies, decrease weapon system cost, preserve future production capabilities and capacities, and meet Congressional, National Agency and Defense Department mandates.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. These types of issues may be addressed through bridge buys, life-of-type buys, supplier/parts replacement, and re-qualification.

Reference BP20 SDB000 for SDB II FY2015-FY2018. SDB II total procurement costs in this document only include 20,334 USAF weapons, the remaining 1,276 USAF weapons were procured in BP20 SDB000.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical		<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207327F	<b>Other Related Program Elements:</b> 0207327F
<b>Line Item MDAP/MAIS Code:</b> 439		

Funding for this exhibit contained in PE 0207327F.

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SDB002 / SMALL DIAMETER BOMB II

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207327F **Other Related Program Elements:** 0207327F

**Line Item MDAP/MAIS Code:** 439

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 <i>(Each) / (\$ M)</i>	Quantity / Total Cost <i>(Each) / (\$ M)</i>	Quantity / Total Cost <i>(Each) / (\$ M)</i>	Quantity / Total Cost <i>(Each) / (\$ M)</i>	Quantity / Total Cost <i>(Each) / (\$ M)</i>	Quantity / Total Cost <i>(Each) / (\$ M)</i>
P-5	SMALL DIAMETER BOMB II	P-5a, P-21	B		1,931 / 479.146	976 / 275.934	1,214 / 379.006	920 / 291.553	- / -	920 / 291.553
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,931 / 479.146</b>	<b>976 / 275.934</b>	<b>1,214 / 379.006</b>	<b>920 / 291.553</b>	<b>- / -</b>	<b>920 / 291.553</b>

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

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

**Justification:**  
 The FY 2024 budget request includes funding for SDB II weapons, weapon containers, test equipment, training equipment required for weapon handling and maintenance, software maintenance, tactical to guided test vehicle conversions for WSEP, test assets and support for reliability testing, product support, Tech Refresh for current technologies, integration and testing of changes to the product baseline to meet Congressional, National Agency or Defense Department mandates, and required DMSMS / cost reduction Non-Recurring Engineering (NRE), integration and testing. Training equipment includes Practical Explosive Ordinance Disposal System Trainers (PEST), Weapon Load Crew Trainers (WLCT) and Conventional Maintenance Munitions Trainers (CMMT). FY 2024 funding supports the sole source Lot 10 production contract. The Lot 10 contract is inclusive of both USAF and DoN production quantities. SDB II FY 2024 quantity for the USAF is 920 weapons.

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Reference BP20 SDB000 for SDB II FY 2015-2018. SDB II total procurement costs in this document only include 20,334 USAF weapons, the remaining 1,276 USAF weapons were procured in BP20 SDB000.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	1,931	976	1,214	920	-	920
Gross/Weapon System Cost (\$ in Millions)	479.146	275.934	379.006	291.553	-	291.553
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	479.146	275.934	379.006	291.553	-	291.553
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>479.146</b>	<b>275.934</b>	<b>379.006</b>	<b>291.553</b>	<b>-</b>	<b>291.553</b>

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

Initial Spares (\$ in Millions)	-	-	1.144	1.154	-	1.154
Gross/Weapon System Unit Cost (\$ in Millions)	0.248	0.283	0.312	0.317	-	0.317

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway - Small Diameter Bomb II Cost</b>																		
Recurring Cost																		
SDB Increment II All Up Round Weapon <sup>(†)</sup>	0.176	1,931	339.831	0.193	976	188.446	0.217	1,214	263.049	0.202	920	185.649	-	-	-	0.202	920	185.649
Weapon Containers	-	-	7.382	-	-	5.290	-	-	5.839	-	-	4.540	-	-	-	-	-	4.540
Test Vehicle	-	-	6.637	-	-	0.000	-	-	0.970	-	-	1.991	-	-	-	-	-	1.991
<i>Subtotal: Recurring Cost</i>	-	-	353.850	-	-	193.736	-	-	269.858	-	-	192.180	-	-	-	-	-	192.180
<i>Subtotal: Flyaway - Small Diameter Bomb II Cost</i>	-	-	353.850	-	-	193.736	-	-	269.858	-	-	192.180	-	-	-	-	-	192.180
<b>Support - Small Diameter Bomb II Cost</b>																		
Training Equipment	-	-	2.886	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Operational Flight Program Updates & Test	-	-	0.313	-	-	11.312	-	-	8.050	-	-	0.600	-	-	-	-	-	0.600
Logistics Support	-	-	0.191	-	-	0.096	-	-	0.096	-	-	0.096	-	-	-	-	-	0.096
Production Testing	-	-	34.480	-	-	12.986	-	-	26.262	-	-	38.181	-	-	-	-	-	38.181
PSC Contractor Services	-	-	8.247	-	-	4.120	-	-	3.080	-	-	3.200	-	-	-	-	-	3.200
PSC Other Government Costs	-	-	13.155	-	-	12.600	-	-	9.680	-	-	7.471	-	-	-	-	-	7.471
Product Support/Obsolescence	-	-	66.024	-	-	41.084	-	-	61.980	-	-	49.825	-	-	-	-	-	49.825
<i>Subtotal: Support - Small Diameter Bomb II Cost</i>	-	-	125.296	-	-	82.198	-	-	109.148	-	-	99.373	-	-	-	-	-	99.373
<b>Gross/Weapon System Cost</b>	<b>0.248</b>	<b>1,931</b>	<b>479.146</b>	<b>0.283</b>	<b>976</b>	<b>275.934</b>	<b>0.312</b>	<b>1,214</b>	<b>379.006</b>	<b>0.317</b>	<b>920</b>	<b>291.553</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.317</b>	<b>920</b>	<b>291.553</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b></p> <ol style="list-style-type: none"> <li>Operational Flight Program Updates &amp; Test: Cost decrease from FY2022 to FY2023 attributed to Operational Flight Program (OFP) reductions in systems software maintenance support and testing activities. Cost decreases from FY2023 to FY2024 as AF OFP maintenance transitions to O&amp;M. Funding will continue to support OFP updates.</li> <li>Production Testing: Cost increase from FY2022 to FY2023 due to Congressionally mandated M-Code integration, testing and production qualification activities. FY2023 to FY2024 increase includes additional WSEP testing activities.</li> <li>PSC Other Government Costs: FY2023 to FY2024 decrease to overall programs Central Support, Travel, and Government Purchase card (GPC).</li> <li>Product Support/Obsolescence: FY2022 to FY2023 increase includes a portion of \$100M FY2023 congressional add. Increase will support Tech Refresh to replace and integrate the obsolete seeker components and associated electronics to maintain the SDB II production line and the programs DMSMS Activities to include bridge buys, life-of-type buys, supplier/parts replacement, and re-qualification. Tech Refresh concept began in FY2021 and full Tech Refresh obsolescence activities are planned to begin in FY2023. Cost decrease from FY2023 to FY2024 includes continued Tech Refresh obsolescence activities in support of the program returning to MSR-level procurement. The new design will require ground and flight qualification, updated test equipment, updated computer integrated labs, and production readiness activities.</li> </ol> <p>Reference BP20 SDB000 for SDB II FY2015 to FY2018 for 1,276 USAF weapons (not in this document). SDB II total procurement costs in this document only include 20,334 USAF weapons, the remaining 1,276 USAF weapons were procured in BP20 SDB000.</p> <p>(t) indicates the presence of a P-5a</p>		

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2019	Raytheon / Tucson AZ	SS / FFP	AFLCMC/PK Eglin AFB, FL	Dec 2018	Jun 2021	510	0.120	N	Aug 2018	Oct 2009
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2020	Raytheon / Tucson AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Oct 2020	Mar 2022	747	0.199	N	Aug 2019	Oct 2018
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2021	Raytheon / Tucson AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Apr 2021	Mar 2023	674	0.195	N	Aug 2020	Oct 2019
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2022	Raytheon / Tucson AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Oct 2021	Mar 2024	976	0.193	N	Aug 2021	Oct 2020
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2023	Raytheon / Tucson AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Mar 2023	Mar 2025	1,214	0.217	N	Aug 2022	May 2021
SDB Increment II All Up Round Weapon <sup>(†)</sup>		2024	Raytheon / Tucson AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jan 2024	Mar 2026	920	0.202	N	Aug 2023	May 2022

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

1. SDB II Lots 1-5 are options on the current EMD contract with Raytheon Missile Systems, Tucson, AZ, which was competitively awarded in August 2010. SDB II specifications for Lot 1-5 are defined in the EMD contract.
2. SDB II Lots 4-5 (FY 2018-FY 2019) are Firm Fixed Price contracts.
3. SDB II Lot 6 (FY 2020) awarded as FPIF contract.
4. SDB II Lot 7 (FY 2021) awarded as FPIF contract.
5. SDB II Lot 8 (FY 2022) awarded as FPIF contract.
6. SDB II Lot 9 (FY 2023) to be negotiated as FPIF contract.
7. SDB II Lot 10 (FY 2024) to be negotiated as FPIF contract.
8. SDB II unit cost increased from Lot 5 (FY 2019) to Lot 6 (FY 2020) due to the end of the competitive business deal for Lots 1-5. Lot 6 was the first sole source lot and was negotiated using actual cost data available from prior lots.

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019												Fiscal Year 2020												B A L A N C E	
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 8	B A L D U E A S O F 1 O C T	Calendar Year 2019												Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
SDB Increment II All Up Round Weapon																															
1	2019		AF <sup>(1)</sup>	510	0	510																							510		
1	2019		NAVY <sup>(2)</sup>	750	0	750																							750		
<b>1</b>	<b>2019</b>		<b>Total</b>	<b>1,260</b>	<b>0</b>	<b>1,260</b>																							<b>1,260</b>		
1	2020		AF	747	0	747																							747		
1	2020		NAVY <sup>(2)</sup>	461	0	461																							461		
1	2020		FMS <sup>(2)</sup>	20	0	20																							20		
<b>1</b>	<b>2020</b>		<b>Total</b>	<b>1,228</b>	<b>0</b>	<b>1,228</b>																							<b>1,228</b>		
1	2021		AF	674	0	674																							674		
1	2021		NAVY <sup>(2)</sup>	226	0	226																							226		
1	2021		FMS <sup>(2)</sup>	200	0	200																							200		
<b>1</b>	<b>2021</b>		<b>Total</b>	<b>1,100</b>	<b>0</b>	<b>1,100</b>																							<b>1,100</b>		
1	2022		AF	976	0	976																							976		
1	2022		NAVY <sup>(2)</sup>	164	0	164																							164		
<b>1</b>	<b>2022</b>		<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>																							<b>1,140</b>		
1	2023		AF	1,214	0	1,214																							1,214		
1	2023		NAVY <sup>(2)</sup>	378	0	378																							378		
<b>1</b>	<b>2023</b>		<b>Total</b>	<b>1,592</b>	<b>0</b>	<b>1,592</b>																							<b>1,592</b>		
1	2024		AF	920	0	920																							920		
1	2024		NAVY <sup>(2)</sup>	220	0	220																							220		
<b>1</b>	<b>2024</b>		<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>																							<b>1,140</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2021													Fiscal Year 2022													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SDB Increment II All Up Round Weapon																																	
1	2019	AF <sup>(1)</sup>	510	0	510	-	-	-	-	-	-	-	-	228	-	-	-	57	57	57	57	54							0				
1	2019	NAVY <sup>(2)</sup>	750	0	750	-	-	-	-	-	-	-	-	336	-	-	-	84	84	84	84	78							0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>1,260</b>	<b>0</b>	<b>1,260</b>	-	-	-	-	-	-	-	-	<b>564</b>	-	-	-	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>132</b>							<b>0</b>				
1	2020	AF	747	0	747	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	62	62	62	62	310			
1	2020	NAVY <sup>(2)</sup>	461	0	461	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	39	39	39	39	38	38	190			
1	2020	FMS <sup>(2)</sup>	20	0	20	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	6			
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,228</b>	<b>0</b>	<b>1,228</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>104</b>	<b>104</b>	<b>104</b>	<b>103</b>	<b>103</b>	<b>102</b>	<b>102</b>	<b>506</b>			
1	2021	AF	674	0	674																									674			
1	2021	NAVY <sup>(2)</sup>	226	0	226																									226			
1	2021	FMS <sup>(2)</sup>	200	0	200																									200			
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,100</b>	<b>0</b>	<b>1,100</b>																									<b>1,100</b>			
1	2022	AF	976	0	976																									976			
1	2022	NAVY <sup>(2)</sup>	164	0	164																									164			
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>																									<b>1,140</b>			
1	2023	AF	1,214	0	1,214																									1,214			
1	2023	NAVY <sup>(2)</sup>	378	0	378																									378			
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,592</b>	<b>0</b>	<b>1,592</b>																									<b>1,592</b>			
1	2024	AF	920	0	920																									920			
1	2024	NAVY <sup>(2)</sup>	220	0	220																									220			
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>																									<b>1,140</b>			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				



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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SDB Increment II All Up Round Weapon																																	
1	2019	AF <sup>(1)</sup>	510	510	0																								0				
1	2019	NAVY <sup>(‡)</sup> (2)	750	750	0																								0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>1,260</b>	<b>1,260</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2020	AF	747	437	310	62	62	62	62	62																			0				
1	2020	NAVY <sup>(‡)</sup>	461	271	190	38	38	38	38	38																			0				
1	2020	FMS <sup>(‡)</sup>	20	14	6	2	1	1	1	1																			0				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,228</b>	<b>722</b>	<b>506</b>	<b>102</b>	<b>101</b>	<b>101</b>	<b>101</b>	<b>101</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2021	AF	674	0	674	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	57	57							0				
1	2021	NAVY <sup>(‡)</sup>	226	0	226	-	-	-	-	-	19	19	19	19	19	19	19	19	19	19	18	18							0				
1	2021	FMS <sup>(‡)</sup>	200	0	200	-	-	-	-	-	17	17	17	17	17	17	17	17	16	16	16	16							0				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,100</b>	<b>0</b>	<b>1,100</b>	-	-	-	-	-	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>	-	-	-	-	-	-	<b>0</b>				
1	2022	AF	976	0	976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	82	82	81	81	81	405				
1	2022	NAVY <sup>(‡)</sup>	164	0	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	13	13	14	14	14	70				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>475</b>				
1	2023	AF	1,214	0	1,214						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,214					
1	2023	NAVY <sup>(‡)</sup>	378	0	378						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	378					
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,592</b>	<b>0</b>	<b>1,592</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,592</b>					
1	2024	AF	920	0	920																A -	-	-	-	-	-	-	920					
1	2024	NAVY <sup>(‡)</sup>	220	0	220																A -	-	-	-	-	-	-	220					
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>																-	-	-	-	-	-	-	<b>1,140</b>					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SDB Increment II All Up Round Weapon																																	
1	2019	AF <sup>(1)</sup>	510	510	0																								0				
1	2019	NAVY <sup>(‡)</sup> (2)	750	750	0																								0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>1,260</b>	<b>1,260</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2020	AF	747	747	0																								0				
1	2020	NAVY <sup>(‡)</sup>	461	461	0																								0				
1	2020	FMS <sup>(‡)</sup>	20	20	0																								0				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,228</b>	<b>1,228</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2021	AF	674	674	0																								0				
1	2021	NAVY <sup>(‡)</sup>	226	226	0																								0				
1	2021	FMS <sup>(‡)</sup>	200	200	0																								0				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,100</b>	<b>1,100</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2022	AF	976	571	405	81	81	81	81	81																			0				
1	2022	NAVY <sup>(‡)</sup>	164	94	70	14	14	14	14	14																			0				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>1,140</b>	<b>665</b>	<b>475</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2023	AF	1,214	0	1,214	-	-	-	-	-	102	102	101	101	101	101	101	101	101	101	101								0				
1	2023	NAVY <sup>(‡)</sup>	378	0	378	-	-	-	-	-	32	32	32	32	32	32	31	31	31	31	31	31							0				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,592</b>	<b>0</b>	<b>1,592</b>	-	-	-	-	-	<b>134</b>	<b>134</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	-	-	-	-	-	-	<b>0</b>				
1	2024	AF	920	0	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	76	76	76	77	77	77	385				
1	2024	NAVY <sup>(‡)</sup>	220	0	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	94				
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,140</b>	<b>0</b>	<b>1,140</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>479</b>				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
SDB Increment II All Up Round Weapon																															
	1	2019	AF <sup>(1)</sup>	510	510	0																							0		
	1	2019	NAVY <sup>(2)</sup>	750	750	0																							0		
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>1,260</b>	<b>1,260</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2020	AF	747	747	0																							0		
	1	2020	NAVY <sup>(2)</sup>	461	461	0																							0		
	1	2020	FMS <sup>(2)</sup>	20	20	0																							0		
	<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,228</b>	<b>1,228</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2021	AF	674	674	0																							0		
	1	2021	NAVY <sup>(2)</sup>	226	226	0																							0		
	1	2021	FMS <sup>(2)</sup>	200	200	0																							0		
	<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,100</b>	<b>1,100</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2022	AF	976	976	0																							0		
	1	2022	NAVY <sup>(2)</sup>	164	164	0																							0		
	<b>1</b>	<b>2022</b>	<b>Total</b>	<b>1,140</b>	<b>1,140</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2023	AF	1,214	1,214	0																							0		
	1	2023	NAVY <sup>(2)</sup>	378	378	0																							0		
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,592</b>	<b>1,592</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2024	AF	920	535	385	77	77	77	77	77																		0		
	1	2024	NAVY <sup>(2)</sup>	220	126	94	18	19	19	19																			0		
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,140</b>	<b>661</b>	<b>479</b>	<b>95</b>	<b>96</b>	<b>96</b>	<b>96</b>	<b>96</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SDB002 / SMALL DIAMETER BOMB II	<b>Item Number / Title [DODIC]:</b> SMALL DIAMETER BOMB II
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Raytheon - Tucson AZ	1,140	1,925	2,100	0	0	0	0	478	4	26	30

**Remarks:**  
 1. FY2024 USAF quantities may fall below minimum sustainment rate (MSR); however, with FMS and DoN purchases, the program will be at or above MSR.  
 2. P-21 monthly delivery schedules do not reflect contractual agreements for Lots 1-6, which are based on quarterly AUR deliveries. Monthly delivery schedules began with the Lot 7 production contract.

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

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

**Footnotes:**  
 (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.  
 (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SIAW24 / Stand-In Attack Weapon (SIAW)

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207328F **Other Related Program Elements:** 0207328F

**Line Item MDAP/MAIS Code:** 439

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> )	-	-	42	14	-	14	128	116	50	50	2,600	3,000
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	77.975	41.947	-	41.947	173.091	149.268	347.445	399.393	7,205.703	8,394.822
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	77.975	41.947	-	41.947	173.091	149.268	347.445	399.393	7,205.703	8,394.822
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>77.975</b>	<b>41.947</b>	-	<b>41.947</b>	<b>173.091</b>	<b>149.268</b>	<b>347.445</b>	<b>399.393</b>	<b>7,205.703</b>	<b>8,394.822</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	1.621	1.695	-	1.695	1.309	1.263	4.437	3.834	2.387	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	1.857	2.996	-	2.996	1.352	1.287	6.949	7.988	2.771	2.798

**Description:**

The Stand-in Attack Weapon (SIAW) system will provide the capability to strike rapidly re-locatable targets that create the Anti-Access/Area Denial (A2/AD) environment. SIAW targets include Theater Ballistic Missile Launchers, Land Attack and Anti-Ship Cruise Missile Launchers, GPS Jammers, Anti-Satellite Systems, and Integrated Air Defense Systems. The SIAW missile system will be developed under a Digital Acquisition (DA) approach in a competitive environment that will emphasize agility and innovation. Interim combat capability will be pursued through the Navy's Advanced Anti-Radiation Guided Missile-Extended Range (AARGM-ER) program with improved warhead/fuze and F-35 integration (including Universal Armament Interface [UAI] and Mission Planning).

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

Funding for this exhibit contained in PE 0207328F. Additional All Up Rounds (AURs) being procured under Navy PE 0204162N/0206138M.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** SIAW24 / Stand-In Attack Weapon (SIAW)

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207328F **Other Related Program Elements:** 0207328F

**Line Item MDAP/MAIS Code:** 439

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-5	Stand-In Attack Weapon (SIAW)	P-5a, P-21	B		- / -	- / 0.000	42 / 77.975	14 / 41.947	- / -	14 / 41.947
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>42 / 77.975</b>	<b>14 / 41.947</b>	<b>- / -</b>	<b>14 / 41.947</b>

\*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 14 AARGM-ER AUR missiles and associated support costs as well as funding needed to facilitate the AARGM-ER production line.

The increase in Production Support Equipment from FY23 to FY24 is funding needed for Special Tooling / Special Test Equipment (ST/STE) to facilitate the AARGM-ER production line to increase production capacity.

Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 3069 BUY-TO-BUDGET ACQUISITION.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2				<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)			<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)				-	-	42	14	-	14
Gross/Weapon System Cost (\$ in Millions)				-	0.000	77.975	41.947	-	41.947
Less PY Advance Procurement (\$ in Millions)				-	-	0.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)				-	0.000	77.975	41.947	-	41.947
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>0.000</b>	<b>77.975</b>	<b>41.947</b>	-	<b>41.947</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	0.000	0.000	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)				-	-	1.857	2.996	-	2.996

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway - Stand-in Attack Weapon Cost</b>																		
Recurring Cost																		
All Up Round - AARGM ER <sup>(†)</sup>	-	-	-	-	-	0.000	1.595	42	66.999	1.669	14	23.366	-	-	-	1.669	14	23.366
All Up Round - SiAW	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Containers	-	-	-	-	-	-	-	-	1.071	-	-	0.366	-	-	-	-	-	0.366
Engineering Change Orders	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	68.070	-	-	23.732	-	-	-	-	-	23.732
<i>Subtotal: Flyaway - Stand-in Attack Weapon Cost</i>	-	-	-	-	-	0.000	-	-	68.070	-	-	23.732	-	-	-	-	-	23.732
<b>Support - Stand-In Attack Weapon (SIAW) Cost</b>																		
Program Support Costs Contractor Services	-	-	-	-	-	-	-	-	0.280	-	-	0.095	-	-	-	-	-	0.095
Test Support/ Obsolescence	-	-	-	-	-	-	-	-	4.668	-	-	0.347	-	-	-	-	-	0.347
Program Support Costs Other Government Costs	-	-	-	-	-	-	-	-	0.036	-	-	0.021	-	-	-	-	-	0.021
Production Support Equipment	-	-	-	-	-	-	-	-	4.921	-	-	17.752	-	-	-	-	-	17.752
<i>Subtotal: Support - Stand-In Attack Weapon (SIAW) Cost</i>	-	-	-	-	-	-	-	-	9.905	-	-	18.215	-	-	-	-	-	18.215
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	1.857	42	77.975	2.996	14	41.947	-	-	-	2.996	14	41.947

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)	<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a



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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)	<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All Up Round - AARGM ER <sup>(†)</sup>		2023	Northrop Grumman / Northridge, CA	MIPR	NAVAIR	May 2023	Jul 2026	42	1.595	N	Sep 2022	
All Up Round - AARGM ER <sup>(†)</sup>		2024	Northrop Grumman / Northridge, CA	MIPR	NAVAIR	May 2024	Jul 2027	14	1.669	N	Sep 2023	

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** SIAW24 / Stand-In Attack Weapon (SIAW) **Item Number / Title [DODIC]:** Stand-In Attack Weapon (SIAW)

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023											Fiscal Year 2024											BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023											Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G
All Up Round - AARGM ER																														
1		2023	AF	42	0	42										A	-	-	-	-	-	-	-	-	-	-	-	-	42	
1		2024	AF	14	0	14																							14	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)	<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)
---	--	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025													Fiscal Year 2026													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round - AARGM ER																																	
1		2023	AF	42	0	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	30	
1		2024	AF	14	0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)	<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)
---	--	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
All Up Round - AARGM ER																															
1		2023	AF	42	12	30	4	4	4	3	3	3	3	3	3														0		
1		2024	AF	14	0	14	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	2	2	0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> SIAW24 / Stand-In Attack Weapon (SIAW)	<b>Item Number / Title [DODIC]:</b> Stand-In Attack Weapon (SIAW)
---	--	--

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Northrop Grumman - Northridge, CA	60	168	168	24	0	0	0	0	0	8	38	46

**Remarks:**  
Minimum Sustainment Rate is based on combined production of Navy/Air Force assets.

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 5: Industrial Facilities	<b>P-1 Line Item Number / Title:</b> 000042 / Industrial Preparedness/Pol Prevention
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**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> )	-	0.757	0.868	0.793	-	0.793	0.911	0.920	0.936	0.957	-	6.142
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.757	0.868	0.793	-	0.793	0.911	0.920	0.936	0.957	-	6.142
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>0.757</b>	<b>0.868</b>	<b>0.793</b>	-	<b>0.793</b>	<b>0.911</b>	<b>0.920</b>	<b>0.936</b>	<b>0.957</b>	-	<b>6.142</b>

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

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

**Description:**

The Air Force Industrial Preparedness program element combines the resources of several appropriations (Aircraft Procurement, Missile Procurement, and Operation and Maintenance) to create a comprehensive program that aids in ensuring the defense industry can supply reliable, safe, affordable systems to operational commanders.

The Missile Procurement part of Industrial Preparedness supports the management and upkeep of Air Force Plant 44, Tucson, AZ. This includes capital type rehabilitation (MPC 3000) projects for repair and expansion, major capital rehabilitation, construction, demolition, equipment, property appraisals and energy conservation ensuring industrial plant operational safety, security, suitability, and effectiveness to meet the nation's missile production needs; and environmental compliance (MPC 7000) efforts to ensure compliance with federal, state and local regulatory requirements to avoid risk of: shutdown due to non-compliance, clean-up costs, and penalties from Federal State, and Local regulators. The environmental compliance program includes efforts to enhance compliance through pollution prevention reducing controlled emissions and use of hazardous materials. Air Force Plant 44 is the backbone of Department of Defense (DoD) weapon systems assembly and maintenance supporting Storm Breaker, AMRAAM, Javelin, Griffin, Phalanx, Sidewinder, Standard Missiles, Stinger, Tomahawk, and numerous other weapon system. Funds are also provided within this appropriation to assess missile-related industrial base concerns (MPC 6000).

Funding for this exhibit is contained in PE 78011F

**Justification:**

FY2024 funds missile-related industrial base assessments (MPC 6000), environmental compliance (MPC 7000) and capital type rehabilitation (MPC 3000) programs, at Air Force Plant 44, a unique defense asset which supports the production of several missile systems for the Air Force and the Navy.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV

**P-1 Line Item Number / Title:**  
M30FLH / ICBM FUZE MOD

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604933F **Other Related Program Elements:** 0604933F

**Line Item MDAP/MAIS Code:** 498

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	69.363	114.188	159.195	-	159.195	156.595	137.493	140.480	129.378	1.872	908.564
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	4.100	14.497	43.450	-	43.450	35.507	37.673	43.044	40.336	0.000	218.607
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	65.263	99.691	115.745	-	115.745	121.088	99.820	97.436	89.042	1.872	689.957
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	62.047	35.507	37.673	43.044	-	43.044	40.336	0.000	0.000	0.000	0.000	218.607
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>62.047</b>	<b>100.770</b>	<b>137.364</b>	<b>158.789</b>	-	<b>158.789</b>	<b>161.424</b>	<b>99.820</b>	<b>97.436</b>	<b>89.042</b>	<b>1.872</b>	<b>908.564</b>

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

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

**Description:**

Prior year funding includes 18.4M which was executed in Program 0101213F, M30MLG, MM III Modifications. Funding for this exhibit contained in Program 0101328F.

**Program Overview**

The Intercontinental Ballistic Missile Fuze Modernization (ICBM Fuze Mod) program will replace the current Mk21/W87-0 legacy fuze to meet warfighter requirements to support both Minuteman III (MM III) and the Sentinel (GBSD) weapon system. The new fuze will be a form, fit, and functionally equivalent replacement for the Mk21/W87-0 legacy fuze and will provide a 20-year threshold, 30-year objective design life. The program will support the current force of 400 deployed and 50 non-deployed ICBMs. The program will provide needed MM III weapon system modifications, system testing, support/test equipment, data and training required to accommodate, field, and support the new Mk21 fuze along with the W87-0 warhead as defined in the Air Force Global Strike Command (AFGSC) Requirements Traceability Memo dated 2 December 2013. In addition, the Joint Requirements Oversight Council (JROC) signed the program's JROC Memorandum validating the operational requirement for the program on 6 December 2016. Currently available Mk21/W87-0 legacy fuze quantities do not meet United States Strategic Command (USSTRATCOM) requirements and the legacy fuze is three times beyond its original ten year design life. A replacement Mk21/W87-0 fuze is urgently required to meet warfighter requirements and to ensure operational capability.

**Low Rate Initial Production**

The production units procured in FY2022 through FY2024 are considered Low Rate Initial Production (LRIP) units. Upon completion of the Full Rate Production (FRP) decision in 2QFY2024, the program will begin FRP.

**Life of Program Buy**

The ICBM Fuze Modernization program will procure Application Specific Integrated Circuit (ASIC), Heterojunction Bipolar Transistor (HBT), and power source components produced by the Department of Energy National Nuclear Security Administration (DOE/NNSA) as a Life of Program Buy (LOPB) in FY2024. The DOE/NNSA Office of Stockpile Management (NA-12) procurement strategy for the ICBM Fuze Modernization program is structured to ensure the production schedule requirements are met and to avoid impacting the W80-4 LEP and W87-1 Modification program schedules. The DOE/NNSA requires DoD funding that is in alignment with the planned production runs in order to meet DOE/NNSA's production commitments. This is the only viable approach given there is neither component availability nor process capacity on any other schedule.

Purchasing components in a single production run or lot to support joint production activities is required to manage capacity and resource conflicts in the production workload within DOE/NNSA. DOE/NNSA has a large number of current and pending modernization activities necessitating careful planning and coordination among related programs that rely on the same vendors, components, and plant production space.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV		<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0604933F	<b>Other Related Program Elements:</b> 0604933F
<b>Line Item MDAP/MAIS Code:</b> 498		
<p>Funding and building these components as a Life of Program Buy (LOPB) is critical to maintaining production line availability and schedule for the Mk21 ICBM Fuze Modernization, MKS/W88 Alt 370, B61-12 LEP, W87-1 Modification, and W80-4 LEP programs.</p> <p>Long Lead Production The ICBM Fuze Modernization program continues to require advance procurement authority in FY2024 to procure long lead items (Model XI sensor hardware, Thermal Protection Device (TPD) connectors, cable assemblies, connector assemblies, and Commercial Off-the-Shelf (COTS) components for the Radar Module, Pathlength Module (PLM), Missile Interface &amp; Controller Module (MICM), Firing Set Interface Module (FSIM), and Launch Safety Device Assembly (LSDA)). Failure to procure these parts will result in delayed fuze production and fielding activities.</p> <p>Prior Year Activities Prior Years funding includes Life of Type Buy (LOTB) procurements to affordably acquire qualified COTS parts for use during and after exposure to nuclear environments and to ensure commonality between the Air Force and the Navy. LOTB was executed jointly with the Navy to provide a pool of interchangeable, qualified, and certified parts for each service's fuze. Procured parts will be delivered to DOE/NNSA's Kansas City National Security Campus for use in producing common component modules for the Air Force and Navy fuzes. Some component modules will be entirely interchangeable between the Services while others will have interchangeable sub-assemblies.</p>		

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles /  
 BSA 1: Class IV **P-1 Line Item Number / Title:**  
 M30FLH / ICBM FUZE MOD

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604933F **Other Related Program Elements:** 0604933F

**Line Item MDAP/MAIS Code:** 498

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	5915 / FUZE MODERNIZATION (Service Life Extension)		B		- / 0.000	- / 69.363	- / 114.188	- / 159.195	- / 0.000	- / 159.195
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 69.363</b>	<b>- / 114.188</b>	<b>- / 159.195</b>	<b>- / -</b>	<b>- / 159.195</b>

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	5915 / FUZE MODERNIZATION (Service Life Extension)		B		- / 156.595	- / 137.493	- / 140.480	- / 129.378	- / 1.872	- / 908.564
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 156.595</b>	<b>- / 137.493</b>	<b>- / 140.480</b>	<b>- / 129.378</b>	<b>- / 1.872</b>	<b>- / 908.564</b>

\*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 modification is provided in the P-3A exhibits.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD	<b>Modification Number / Title:</b> 5915 / FUZE MODERNIZATION

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	69.363	114.188	159.195	0.000	159.195	156.595	137.493	140.480	129.378	1.872	908.564
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	4.100	14.497	43.450	-	43.450	35.507	37.673	43.044	40.336	0.000	218.607
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	65.263	99.691	115.745	0.000	115.745	121.088	99.820	97.436	89.042	1.872	689.957
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	62.047	35.507	37.673	43.044	-	43.044	40.336	0.000	0.000	0.000	0.000	218.607
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>62.047</b>	<b>100.770</b>	<b>137.364</b>	<b>158.789</b>	<b>0.000</b>	<b>158.789</b>	<b>161.424</b>	<b>99.820</b>	<b>97.436</b>	<b>89.042</b>	<b>1.872</b>	<b>908.564</b>

*(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:**

Prior year funding includes 18.4M which was executed in Program 0101213F, M30MLG, MM III Modifications. Funding for this exhibit contained in Program 0101328F.

**Program Overview**

The Intercontinental Ballistic Missile Fuze Modernization (ICBM Fuze Mod) program will replace the current Mk21/W87-0 legacy fuze to meet warfighter requirements to support both Minuteman III (MM III) and the Sentinel (GBSD) weapon system. The new fuze will be a form, fit, and functionally equivalent replacement for the Mk21/W87-0 legacy fuze and will provide a 20-year threshold, 30-year objective design life. The program will support the current force of 400 deployed and 50 non-deployed ICBMs. The program will provide needed MM III weapon system modifications, system testing, support/test equipment, data and training required to accommodate, field, and support the new Mk21 fuze along with the W87-0 warhead as defined in the Air Force Global Strike Command (AFGSC) Requirements Traceability Memo dated 2 December 2013. In addition, the Joint Requirements Oversight Council (JROC) signed the program's JROC Memorandum validating the operational requirement for the program on 6 December 2016. Currently available Mk21/W87-0 legacy fuze quantities do not meet United States Strategic Command (USSTRATCOM) requirements and the legacy fuze is three times beyond its original ten year design life. A replacement Mk21/W87-0 fuze is urgently required to meet warfighter requirements and to ensure operational capability.

**Low Rate Initial Production**

The production units procured in FY2022 through FY2024 are considered Low Rate Initial Production (LRIP) units. Upon completion of the Full Rate Production (FRP) decision in 2QFY2024, the program will begin FRP.

**Life of Program Buy**

The ICBM Fuze Modernization program will procure Application Specific Integrated Circuit (ASIC), Heterojunction Bipolar Transistor (HBT), and power source components produced by the Department of Energy National Nuclear Security Administration (DOE/NNSA) as a Life of Program Buy (LOPB) in FY2024. The DOE/NNSA Office of Stockpile Management (NA-12) procurement strategy for the ICBM Fuze Modernization program is structured to ensure the production schedule requirements are met and to avoid impacting the W80-4 LEP and W87-1 Modification program schedules. The DOE/NNSA requires DoD funding that is in alignment with the planned production runs in order to meet DOE/NNSA's production commitments. This is the only viable approach given there is neither component availability nor process capacity on any other schedule.

Purchasing components in a single production run or lot to support joint production activities is required to manage capacity and resource conflicts in the production workload within DOE/NNSA. DOE/NNSA has a large number of current and pending modernization activities necessitating careful planning and coordination among related programs that rely on the same vendors, components, and plant production space. Funding and building these components as a Life of Program Buy (LOPB) is critical to maintaining production line availability and schedule for the Mk21 ICBM Fuze Modernization, MKS/W88 Alt 370, B61-12 LEP, W87-1 Modification, and W80-4 LEP programs.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD	<b>Modification Number / Title:</b> 5915 / FUZE MODERNIZATION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<p><b>Long Lead Production</b> The ICBM Fuze Modernization program continues to require advance procurement authority in FY2024 to procure long lead items (Model XI sensor hardware, Thermal Protection Device (TPD) connectors, cable assemblies, connector assemblies, and Commercial Off-the-Shelf (COTS) components for the Radar Module, Pathlength Module (PLM), Missile Interface &amp; Controller Module (MICM), Firing Set Interface Module (FSIM), and Launch Safety Device Assembly (LSDA)). Failure to procure these parts will result in delayed fuze production and fielding activities.</p> <p><b>Prior Year Activities</b> Prior Years funding includes Life of Type Buy (LOTB) procurements to affordably acquire qualified COTS parts for use during and after exposure to nuclear environments and to ensure commonality between the Air Force and the Navy. LOTB was executed jointly with the Navy to provide a pool of interchangeable, qualified, and certified parts for each service's fuze. Procured parts will be delivered to DOE/NNSA's Kansas City National Security Campus for use in producing common component modules for the Air Force and Navy fuzes. Some component modules will be entirely interchangeable between the Services while others will have interchangeable sub-assemblies.</p> <p><b>Milestone/Development Status</b> The program entered Phase 6.3 Developmental Engineering in FY2013 and completed in FY2019. The first flight test was performed in FY2019, the second flight test was performed in FY2020, and the third in FY2022. Phase 6.4 Production Engineering will be completed and the program will enter Phase 6.5 First Production in FY2024. Research, Development, Test and Evaluation (RDT&amp;E) is contained in Program Element 0604933F. The program is tailored to use the joint Department of Defense - Department of Energy Phase 6.X processes for routine nuclear stockpile activities to align with Navy and DOE/NNSA operations.</p> <p>The ICBM Fuze Mod Program discovered the need to de-couple Milestone C and Full Rate Production (FRP) from the DOE/NNSA Phase 6.x process Phase 6.5 and Phase 6.6 respectively. At the time of the initial baseline in 2014, Phase 6.5 and Phase 6.6 were selected as the surrogates for the DoD milestones. Since that time, differences between the DOE/NNSA Phase 6.x process and the DoDI 5000-series instructions, as it relates to funding Title 10 programs, drove a de-coupling of these milestones into the Acquisition Program Baseline. This program is still being managed according to the Phase 6.x process; however, Milestone C (completed October 2021) and the FRP Decision (planned for 2QFY2024) were added as milestones to satisfy statutory requirements of a Title 10 funded acquisition.</p>		

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1				<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD					<b>Modification Number / Title:</b> 5915 / FUZE MODERNIZATION			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> LGM-30G				<b>Modification Type:</b> Service Life Extension				<b>Related RDT&amp;E PEs:</b> 0604933F				
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)
<b>RDT&amp;E PE #</b>												
0604933F	46 / 1,152.729	27 / 115.200	5 / 98.376	10 / 71.732	- / -	10 / 71.732	- / 10.390	- / -	- / -	- / -	- / -	88 / 1,448.427
<b>Procurement</b>												
<b>Modification Item 1 of 2: ICBM Fuze</b>												
B Kits												
Recurring												
ICBM Fuze:EQUIPMENT Group B (Active)	- / -	35 / 39.780	65 / 88.024	99 / 149.883	- / -	99 / 149.883	104 / 141.629	110 / 129.748	125 / 133.235	117 / 122.449	- / -	655 / 804.748
<i>Subtotal: Recurring</i>	- / -	- / 39.780	- / 88.024	- / 149.883	- / -	- / 149.883	- / 141.629	- / 129.748	- / 133.235	- / 122.449	- / -	- / 804.748
<i>Subtotal: ICBM Fuze</i>	- / -	- / 39.780	- / 88.024	- / 149.883	- / -	- / 149.883	- / 141.629	- / 129.748	- / 133.235	- / 122.449	- / -	- / 804.748
<b>Modification Item 2 of 2: Life of Program Buy (NNSA)</b>												
B Kits												
Recurring												
Life of Program Buy (NNSA):EQUIPMENT Group B (Active)	- / -	- / 25.713	- / 20.698	- / 4.354	- / -	- / 4.354	- / 2.646	- / -	- / -	- / -	- / -	- / 53.411
<i>Subtotal: Recurring</i>	- / -	- / 25.713	- / 20.698	- / 4.354	- / -	- / 4.354	- / 2.646	- / -	- / -	- / -	- / -	- / 53.411
<i>Subtotal: Life of Program Buy (NNSA)</i>	- / -	- / 25.713	- / 20.698	- / 4.354	- / -	- / 4.354	- / 2.646	- / -	- / -	- / -	- / -	- / 53.411
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 65.493	- / 108.722	- / 154.237	- / -	- / 154.237	- / 144.275	- / 129.748	- / 133.235	- / 122.449	- / -	- / 858.159
<b>Support (All Modification Items)</b>												
Change Orders	- / -	- / 0.812	- / 1.052	- / 1.384	- / -	- / 1.384	- / 1.392	- / 0.856	- / 0.833	- / 0.756	- / -	- / 17.085
SIM/TRAINER	- / -	- / 1.077	- / 1.808	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.885
OTHER GOVT	- / -	- / -	- / -	- / 10.007	- / -	- / 10.007	- / 6.855	- / 4.000	- / 3.597	- / 3.554	- / 1.872	- / 19.885
PMA - Other Gov't Costs	- / -	- / 1.981	- / 2.606	- / 3.567	- / -	- / 3.567	- / 4.073	- / 2.889	- / 2.815	- / 2.619	- / -	- / 20.550
<i>Subtotal: Support</i>	- / -	- / 3.870	- / 5.466	- / 4.958	- / -	- / 4.958	- / 12.320	- / 7.745	- / 7.245	- / 6.929	- / 1.872	- / 50.405
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>0.000</b>	<b>69.363</b>	<b>114.188</b>	<b>159.195</b>	<b>0.000</b>	<b>159.195</b>	<b>156.595</b>	<b>137.493</b>	<b>140.480</b>	<b>129.378</b>	<b>1.872</b>	<b>908.564</b>

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD			<b>Modification Number / Title:</b> 5915 / FUZE MODERNIZATION	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 2:</b> ICBM Fuze							
<b>Manufacturer Information</b>							
Manufacturer Name: Kansas City National Security Campus				Manufacturer Location: Kansas City, KS			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 30			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates	Apr 2022	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Jul 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028	Jun 2029	Jun 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 655		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD			<b>Modification Number / Title:</b> 5915 / FUZE MODERNIZATION	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 2:</b> Life of Program Buy (NNSA)							
<b>Manufacturer Information</b>							
Manufacturer Name: National Nuclear security Administration				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		



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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV							<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD					
<b>Program Elements for Code B Items:</b> 0604933F							<b>Other Related Program Elements:</b> 0604933F					
<b>Line Item MDAP/MAIS Code:</b> 498												

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	62.047	35.507	37.673	43.044	-	43.044	40.336	0.000	0.000	0.000	0.000	218.607
Net Procurement (P-1) ( <i>\$ in Millions</i> )	62.047	35.507	37.673	43.044	-	43.044	40.336	0.000	0.000	0.000	0.000	218.607
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>62.047</b>	<b>35.507</b>	<b>37.673</b>	<b>43.044</b>	<b>-</b>	<b>43.044</b>	<b>40.336</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>218.607</b>

**Description:**

The ICBM Fuze Modernization program continues to require advance procurement authority in FY2024 to procure long lead items (Model XI sensor hardware, Thermal Protection Device (TPD) connectors, cable assemblies, connector assemblies, and Commercial Off-the-Shelf (COTS) components for the Radar Module, Pathlength Module (PLM), Missile Interface & Controller Module (MICM), Firing Set Interface Module (FSIM), and Launch Safety Device Assembly (LSDA)). Failure to procure the parts will result in delayed fuze production and fielding activities.

ICBM Fuze Modernization program advance procurement is utilized 36 months in advance of full funding to address long lead times for production components.

The end items for which the long lead items listed on the P-10 will be used to produce are fully funded in the FY2027 budget.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV

**P-1 Line Item Number / Title:**  
M30FLH / ICBM FUZE MOD

**Program Elements for Code B Items:** 0604933F **Other Related Program Elements:** 0604933F

**Line Item MDAP/MAIS Code:** 498

Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	5915 / FUZE MODERNIZATION			- / 62.047	- / 35.507	- / 37.673	- / 43.044	- / -	- / 43.044
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>- / 62.047</b>	<b>- / 35.507</b>	<b>- / 37.673</b>	<b>- / 43.044</b>	<b>- / -</b>	<b>- / 43.044</b>

Exhibits Schedule				FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	5915 / FUZE MODERNIZATION			- / 40.336	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 218.607
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>- / 40.336</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 218.607</b>

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

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

**Justification:**  
The ICBM Fuze Modernization program continues to require advance procurement authority in FY2024 to procure long lead items (Model XI sensor hardware, Thermal Protection Device (TPD) connectors, cable assemblies, connector assemblies, and Commercial Off-the-Shelf (COTS) components for the Radar Module, Pathlength Module (PLM), Missile Interface & Controller Module (MICM), Firing Set Interface Module (FSIM), and Launch Safety Device Assembly (LSDA)). Failure to procure the parts will result in delayed fuze production and fielding activities.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD							<b>P-3a Number / Title:</b> 5915 / FUZE MODERNIZATION		
<b>First System (2024) Award Date:</b> December 2026		<b>First System (2024) Completion Date:</b> June 2029				<b>Interval Between Systems:</b> 0 Months						
<b>FUZE MODERNIZATION</b>		<b>Production Leadtime (Months)</b>	<b>Prior Years (Each)</b>	<b>FY 2022 (Each)</b>	<b>FY 2023 (Each)</b>	<b>FY 2024 (Each)</b>	<b>FY 2025 (Each)</b>	<b>FY 2026 (Each)</b>	<b>FY 2027 (Each)</b>	<b>FY 2028 (Each)</b>	<b>To Complete (Each)</b>	<b>Total (Each)</b>
Quantity		30	-	-	-	-	-	-	-	-	-	-
<b>Cost Elements</b>		<b>When Required (Months)</b>	<b>Prior Years (\$ M)</b>	<b>FY 2022 (\$ M)</b>	<b>FY 2023 (\$ M)</b>	<b>FY 2024 (\$ M)</b>	<b>FY 2025 (\$ M)</b>	<b>FY 2026 (\$ M)</b>	<b>FY 2027 (\$ M)</b>	<b>FY 2028 (\$ M)</b>	<b>To Complete (\$ M)</b>	<b>Total (\$ M)</b>
<b>CFE</b>												
ICBM FUZE MOD Hardware: ICBM Fuze Mod Hardware		24	62.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	62.047
ICBM FUZE MOD Hardware: Radar COTS		24	0.000	0.552	0.584	0.667	0.625	0.000	0.000	0.000	0.000	2.428
ICBM FUZE MOD Hardware: MICM COTS		24	0.000	0.431	0.456	0.521	0.489	0.000	0.000	0.000	0.000	1.897
ICBM FUZE MOD Hardware: FSIM COTS		24	0.000	0.936	0.992	1.135	1.063	0.000	0.000	0.000	0.000	4.126
ICBM FUZE MOD Hardware: PLM COTS		24	0.000	0.060	0.065	0.074	0.069	0.000	0.000	0.000	0.000	0.268
ICBM FUZE MOD Hardware: Mod XI Sensor Assembly		24	0.000	29.899	31.731	36.257	33.975	0.000	0.000	0.000	0.000	131.862
ICBM FUZE MOD Hardware: TPD Connectors		24	0.000	0.258	0.273	0.312	0.293	0.000	0.000	0.000	0.000	1.136
ICBM FUZE MOD Hardware: LSDA Header Shell and Parts		24	0.000	1.087	1.152	1.316	1.234	0.000	0.000	0.000	0.000	4.789
ICBM FUZE MOD Hardware: Cable Assembly		24	0.000	0.605	0.641	0.731	0.685	0.000	0.000	0.000	0.000	2.662
ICBM FUZE MOD Hardware: Connector and Subassemblies		24	0.000	0.602	0.638	0.729	0.683	0.000	0.000	0.000	0.000	2.652
ICBM FUZE MOD Hardware: Other (Key Number and Misc Items)		24	0.000	1.077	1.141	1.302	1.220	0.000	0.000	0.000	0.000	4.740
<i>Total: CFE</i>			62.047	35.507	37.673	43.044	40.336	0.000	0.000	0.000	0.000	218.607
<b>Total Advance Procurement/Obligation Authority</b>			<b>62.047</b>	<b>35.507</b>	<b>37.673</b>	<b>43.044</b>	<b>40.336</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>218.607</b>

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**Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30FLH / ICBM FUZE MOD	<b>P-3a Number / Title:</b> 5915 / FUZE MODERNIZATION
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Cost Elements	QPA <i>(Each)</i>	FY 2024					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	
<b>CFE</b>							
ICBM FUZE MOD Hardware: ICBM Fuze Mod Hardware	-						0.000
ICBM FUZE MOD Hardware: Radar COTS	1	32	0.005	Jan 2026	125	2027	0.667
ICBM FUZE MOD Hardware: MICM COTS	1	33	0.004	Dec 2025	125	2027	0.521
ICBM FUZE MOD Hardware: FSIM COTS	1	31	0.009	Feb 2026	125	2027	1.135
ICBM FUZE MOD Hardware: PLM COTS	1	30	0.001	Mar 2026	125	2027	0.074
ICBM FUZE MOD Hardware: Mod XI Sensor Assembly	1	53	0.290	Apr 2024	125	2027	36.257
ICBM FUZE MOD Hardware: TPD Connectors	1	27	0.002	Jun 2026	125	2027	0.312
ICBM FUZE MOD Hardware: LSDA Header Shell and Parts	1	30	0.011	Mar 2026	125	2027	1.316
ICBM FUZE MOD Hardware: Cable Assembly	1	36	0.006	Sep 2025	125	2027	0.731
ICBM FUZE MOD Hardware: Connector and Subassemblies	1	25	0.006	Aug 2026	125	2027	0.729
ICBM FUZE MOD Hardware: Other (Key Number and Misc Items)	1	36	0.010	Sep 2025	125	2027	1.302
<i>Total: CFE</i>							<b>43.044</b>
<b>Total Advance Procurement/Obligation Authority</b>							<b>43.044</b>

**Description:**  
 The ICBM Fuze Modernization program continues to require advance procurement authority in FY2024 to procure long lead items (Model XI sensor hardware, Thermal Protection Device (TPD) connectors, cable assemblies, connector assemblies, and Commercial Off-the-Shelf (COTS) components for the Radar Module, Pathlength Module (PLM), Missile Interface & Controller Module (MICM), Firing Set Interface Module (FSIM), and Launch Safety Device Assembly (LSDA)). Failure to procure the parts will result in delayed fuze production and fielding activities.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV	<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0101213F	<b>Other Related Program Elements:</b> 0101213F, 0303131F
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**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> )	398.069	78.853	61.672	48.639	-	48.639	47.233	16.315	10.344	10.564	-	671.689
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	398.069	78.853	61.672	48.639	-	48.639	47.233	16.315	10.344	10.564	-	671.689
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>398.069</b>	<b>78.853</b>	<b>61.672</b>	<b>48.639</b>	<b>-</b>	<b>48.639</b>	<b>47.233</b>	<b>16.315</b>	<b>10.344</b>	<b>10.564</b>	<b>-</b>	<b>671.689</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	4.947	0.549	3.400	-	3.400	3.990	-	-	-	-	12.886
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This line item funds modifications to the LGM-30, Minuteman III (MM III) Intercontinental Ballistic Missile (ICBM) weapon system. The MM III is a strategic missile capable of delivering special weapons against a wide range of targets. The purpose of the modifications budgeted in FY24 is to support the operational capability of the Minuteman III ICBM through the completion of deployment of Sentinel. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

The modifications being performed on LGM-30 include: Minuteman Minimum Essential Emergency Communications Network (MEECN) modification, LGM-30G Low Cost Modifications (LCM), LGM-30G Fast Rising B-Plug Service Life Extension (FRBP SLEP), and LGM-30G Automatic Switching Unit (ASU).

RDT&E funding for modifications other than MEECN is contained in PE 0101213F (PE 0604851F prior to FY15); MEECN is contained in PE 0303131F.

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

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV

**P-1 Line Item Number / Title:**  
M30MLG / MM III Modifications

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0101213F **Other Related Program Elements:** 0101213F, 0303131F

**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***	5910 / MINUTEMAN MEECN MODIFICATION (Capability Improvement)				- / 129.384	- / 2.674	- / 4.090	- / 4.405	- / -	- / 4.405
P-40a***	5916 / ICBM Cryptography Upgrade Increment II (Capability Improvement)				- / 138.508	- / 11.213	- / 7.054	- / -	- / -	- / -
P-40a***	5921 / MM LCC Block Upgrades (Service Life Extension)				- / 39.363	- / 1.228	- / -	- / -	- / -	- / -
P-40a***	5928 / T-9 Launch Facility Trainer Conversion (T-9) (Other)				- / 44.463	- / -	- / -	- / -	- / -	- / -
P-40a***	5932 / LGM-30G Remote Visual Assessment Phase II (RVA II) (Other)				- / 28.262	- / 54.590	- / 0.363	- / -	- / -	- / -
P-40a***	5942 / LGM-30G Launch Control Center Break-In-Kit (LCCB) (Other)				- / 0.226	- / -	- / -	- / -	- / -	- / -
P-40a***	5947 / A/D Switch Replacement (Reliability & Maintainability)				- / -	- / 3.901	- / -	- / -	- / -	- / -
P-40a***	5948 / CMPT upgrade (Other)				- / 0.258	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Other)				- / 12.842	- / 3.622	- / 4.986	- / 0.868	- / -	- / 0.868
P-3a	5925 / MM III Auto Switching Unit (ASU) (Service Life Extension)		A		- / 4.763	- / 1.625	- / 35.497	- / 31.729	- / 0.000	- / 31.729
P-3a	5949 / Fast Rising B-Plug Service Extension Program (FRBP SLEP) (Service Life Extension)		B		- / 0.000	- / 0.000	- / 9.682	- / 11.637	- / 0.000	- / 11.637
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 398.069</b>	<b>- / 78.853</b>	<b>- / 61.672</b>	<b>- / 48.639</b>	<b>- / -</b>	<b>- / 48.639</b>

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***	5910 / MINUTEMAN MEECN MODIFICATION (Capability Improvement)				- / 4.730	- / 3.021	- / -	- / -	- / -	- / 148.304
P-40a***	5916 / ICBM Cryptography Upgrade Increment II (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 156.775
P-40a***	5921 / MM LCC Block Upgrades (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 40.591
P-40a***	5928 / T-9 Launch Facility Trainer Conversion (T-9) (Other)				- / -	- / -	- / -	- / -	- / -	- / 44.463
P-40a***	5932 / LGM-30G Remote Visual Assessment Phase II (RVA II) (Other)				- / -	- / -	- / -	- / -	- / -	- / 83.215
P-40a***	5942 / LGM-30G Launch Control Center Break-In-Kit (LCCB) (Other)				- / -	- / -	- / -	- / -	- / -	- / 0.226
P-40a***	5947 / A/D Switch Replacement (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 3.901
P-40a***	5948 / CMPT upgrade (Other)				- / -	- / -	- / -	- / -	- / -	- / 0.258
P-40a***	99999X / Low Cost Modifications (Other)				- / 9.157	- / 9.263	- / 10.344	- / 10.564	- / -	- / 61.646
P-3a	5925 / MM III Auto Switching Unit (ASU) (Service Life Extension)		A		- / 17.966	- / 0.000	- / 0.000	- / -	- / -	- / 91.580
P-3a	5949 / Fast Rising B-Plug Service Extension Program (FRBP SLEP) (Service Life Extension)		B		- / 15.380	- / 4.031	- / -	- / -	- / -	- / 40.730
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 47.233</b>	<b>- / 16.315</b>	<b>- / 10.344</b>	<b>- / 10.564</b>	<b>- / -</b>	<b>- / 671.689</b>

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

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

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV		<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0101213F	<b>Other Related Program Elements:</b> 0101213F, 0303131F
<b>Line Item MDAP/MAIS Code:</b> N/A		
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.		

**Justification:**  
FY24 funding requests include Minuteman MEECN Modification, MM III Lost cost modifications, Fast Rising B-Plug Service Life Extension and MMIII Auto Switching Unit. Where applicable, justification for individual modifications is provided in the P-3A exhibits.

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications	<b>Modification Number / Title:</b> 5925 / MM III Auto Switching Unit (ASU)

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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4.763	1.625	35.497	31.729	0.000	31.729	17.966	0.000	0.000	-	-	91.580
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	4.763	1.625	35.497	31.729	0.000	31.729	17.966	0.000	0.000	-	-	91.580
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>4.763</b>	<b>1.625</b>	<b>35.497</b>	<b>31.729</b>	<b>0.000</b>	<b>31.729</b>	<b>17.966</b>	<b>0.000</b>	<b>0.000</b>	-	-	<b>91.580</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	0.379	-	-	-	-	-	-	-	-	-	0.379
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The ASU Program will replace the obsolete Automatic Switching Unit, Diesel Electric Unit, and Minuteman Power Processor with modern commercial off-the-shelf components to improve reliability and supportability. All Launch Facilities and Missile Alert Facilities at Minot Air Force Base (AFB) and Malmstrom AFB will be impacted by the ASU program. The ASU program will also modify Minuteman trainers and facilities at Vandenberg Space Force Base. The new equipment is expected to have a design life of 10 years and will replace equipment that has exceeded its original design life.

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

Key production activities include:

Production and Deployment Phase: 3QFY2023 - 4QFY2025

ASU RAA: Sep 2025



**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1					<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications					<b>Modification Number / Title:</b> 5925 / MM III Auto Switching Unit (ASU)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> LGM-30G				<b>Modification Type:</b> Service Life Extension				<b>Related RDT&amp;E PEs:</b> 0101213F					
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)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> Auto Switching Unit													
B Kits													
Recurring													
Auto Switching Unit:EQUIPMENT Group B (Active)	- / -	- / -	198 / 20.391	125 / 13.570	- / -	125 / 13.570	11 / 1.737	- / -	- / -	- / -	- / -	334 / 35.698	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 20.391	- / 13.570	- / -	- / 13.570	- / 1.737	- / -	- / -	- / -	- / -	- / 35.698	
<i>Subtotal: Auto Switching Unit</i>	- / -	- / -	- / 20.391	- / 13.570	- / -	- / 13.570	- / 1.737	- / -	- / -	- / -	- / -	- / 35.698	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 20.391	- / 13.570	- / -	- / 13.570	- / 1.737	- / -	- / -	- / -	- / -	- / 35.698	
<b>Support (All Modification Items)</b>													
PMA - Other Gov't Costs	- / 0.698	- / 0.987	- / 1.034	- / 1.356	- / -	- / 1.356	- / 1.118	- / -	- / -	- / -	- / -	- / 5.193	
OTHER GOVT	- / 2.758	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.758	
A&AS	- / 1.307	- / 0.638	- / 0.654	- / 0.670	- / -	- / 0.670	- / 0.685	- / -	- / -	- / -	- / -	- / 3.954	
<i>Subtotal: Support</i>	- / 4.763	- / 1.625	- / 1.688	- / 2.026	- / -	- / 2.026	- / 1.803	- / -	- / -	- / -	- / -	- / 11.905	
<b>Installation</b>													
<i>Modification Item 1 of 1:</i> Auto Switching Unit													
	- / -	- / -	80 / 13.418	152 / 16.133	- / -	152 / 16.133	102 / 14.426	- / -	- / -	- / -	- / -	334 / 43.977	
<i>Subtotal: Installation</i>	- / -	- / -	80 / 13.418	152 / 16.133	- / -	152 / 16.133	102 / 14.426	- / -	- / -	- / -	- / -	334 / 43.977	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>4.763</b>	<b>1.625</b>	<b>35.497</b>	<b>31.729</b>	<b>0.000</b>	<b>31.729</b>	<b>17.966</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>91.580</b>	

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications	<b>Modification Number / Title:</b> 5925 / MM III Auto Switching Unit (ASU)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** Auto Switching Unit

**Manufacturer Information**

Manufacturer Name: Northrop Grumman	Manufacturer Location: Ogden, UT
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Feb 2023	May 2023	Oct 2023	Oct 2024			
Delivery Dates	May 2023	Aug 2023	Jan 2024	Jan 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	- / -	- / -	80 / 13.418	118 / 9.006	- / -	118 / 9.006	- / -	- / -	- / -	- / -	- / -	198 / 22.424
FY 2024	- / -	- / -	- / -	34 / 7.127	- / -	34 / 7.127	91 / 12.875	- / -	- / -	- / -	- / -	125 / 20.002
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.551	- / -	- / -	- / -	- / -	11 / 1.551
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	80 / 13.418	152 / 16.133	- / -	152 / 16.133	102 / 14.426	- / -	- / -	- / -	- / -	334 / 43.977

**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	-	-	-	-	-	-	40	40	40	39	39	34	34	34	34	-	-	-	-	-	-	-	-	-	-	-	-	-	0	334
Out	0	-	-	-	-	-	-	-	-	40	40	40	39	39	34	34	34	34	-	-	-	-	-	-	-	-	-	-	-	0	334

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications	<b>Modification Number / Title:</b> 5949 / Fast Rising B-Plug Service Extension Program (FRBP SLEP)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.000	9.682	11.637	0.000	11.637	15.380	4.031	-	-	-	40.730
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.000	9.682	11.637	0.000	11.637	15.380	4.031	-	-	-	40.730
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>0.000</b>	<b>9.682</b>	<b>11.637</b>	<b>0.000</b>	<b>11.637</b>	<b>15.380</b>	<b>4.031</b>	-	-	-	<b>40.730</b>

*(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 Fast Rising B-Plug (FRBP) provides security functions for the Personnel Access System (PAS) of the Launch Facilities (LFs). It is a 14,000 pound cylinder with 12 locking pins used to deny/delay access to intruders during LF maintenance activities.

This effort includes critical hardware and software modifications to address high obsolescence risk and reliability issues affecting the operational wings.

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**

Milestone B 4QFY20 (Aug 2020)  
Milestone C 4QFY23 (Aug 2023)  
FOC 4QFY26 (Sep 2026)

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1					<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications					<b>Modification Number / Title:</b> 5949 / Fast Rising B-Plug Service Extension Program (FRBP SLEP)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> LGM-30G				<b>Modification Type:</b> Service Life Extension				<b>Related RDT&amp;E PEs:</b> 0101213F					
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)	
<b>RDT&amp;E PE #</b>													
0101213F	- / 16.470	- / 16.128	- / 6.781	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 39.379	
<b>Procurement</b>													
<i>Modification Item 1 of 1: FRBP Replacement</i>													
A Kits													
Recurring													
FRBP Replacement:INSTALL KITS Group A (Active)	- / -	- / -	42 / 9.682	18 / 4.246	- / -	18 / 4.246	39 / 10.041	18 / 1.973	- / -	- / -	- / -	117 / 25.942	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 9.682	- / 4.246	- / -	- / 4.246	- / 10.041	- / 1.973	- / -	- / -	- / -	- / 25.942	
<i>Subtotal: FRBP Replacement</i>	- / -	- / -	- / 9.682	- / 4.246	- / -	- / 4.246	- / 10.041	- / 1.973	- / -	- / -	- / -	- / 25.942	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 9.682	- / 4.246	- / -	- / 4.246	- / 10.041	- / 1.973	- / -	- / -	- / -	- / 25.942	
<b>Support (All Modification Items)</b>													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 3.060	- / -	- / 3.060	- / 2.292	- / -	- / -	- / -	- / -	- / 5.352	
A&AS	- / 0.000	- / -	- / -	- / 1.182	- / -	- / 1.182	- / 1.210	- / 1.237	- / -	- / -	- / -	- / 3.629	
Change Orders	- / -	- / -	- / -	- / 12.277	- / -	- / 12.277	- / 0.998	- / -	- / -	- / -	- / -	- / 13.275	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 10.872	- / -	- / 10.872	- / 0.839	- / 0.821	- / -	- / -	- / -	- / 12.532	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / 7.391	- / -	- / 7.391	- / 5.339	- / 2.058	- / -	- / -	- / -	- / 14.788	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>0.000</b>	<b>0.000</b>	<b>9.682</b>	<b>11.637</b>	<b>0.000</b>	<b>11.637</b>	<b>15.380</b>	<b>4.031</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40.730</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> M30MLG / MM III Modifications			<b>Modification Number / Title:</b> 5949 / Fast Rising B-Plug Service Extension Program (FRBP SLEP)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> FRBP Replacement							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates		Oct 2023	Dec 2023	Feb 2025	Feb 2026		
Delivery Dates		Oct 2024	Dec 2024	Feb 2026	Feb 2027		
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 117		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0101122F	<b>Other Related Program Elements:</b> 0101122F
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**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> )	139.273	46.799	33.778	41.494	-	41.494	33.954	28.825	29.279	29.903	46.489	429.794
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	139.273	46.799	33.778	41.494	-	41.494	33.954	28.825	29.279	29.903	46.489	429.794
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>139.273</b>	<b>46.799</b>	<b>33.778</b>	<b>41.494</b>	<b>-</b>	<b>41.494</b>	<b>33.954</b>	<b>28.825</b>	<b>29.279</b>	<b>29.903</b>	<b>46.489</b>	<b>429.794</b>

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

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

**Description:**

The AGM-86B, Air Launched Cruise Missile (ALCM), is a subsonic, air-to-surface strategic nuclear missile, operational since 1982. Armed with a W80 warhead, it is designed to evade air and ground-based defenses in order to strike targets at any location within any enemy's territory. ALCM was designed for both B-52H internal and external carriage. Funding for this exhibit is contained in PE 0101122F.

**Change Summary:**

All modification programs have been adjusted to reflect the calendar year 2021 and 2022 program estimates (POE). POEs are based on a combination of actuals, proposals, rough order of magnitude estimates from contractors, and subject matter expert inputs.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV

**P-1 Line Item Number / Title:**  
MALCBG / Air Launch Cruise Missile (ALCM)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0101122F **Other Related Program Elements:** 0101122F

**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***	_0468 / AGM-86B Low Cost Mods (Other)				- / 2.096	- / -	- / 0.100	- / 0.100	- / -	- / 0.100
P-40a***	860011 / Support Equipment (Reliability & Maintainability)				- / 29.553	- / 0.572	- / 2.437	- / 0.848	- / -	- / 0.848
P-40a***	860101 / AGM-86B Service Life Extension Program 1 (Service Life Extension)				- / 14.339	- / 4.322	- / 4.028	- / 4.070	- / -	- / 4.070
P-40a***	860103 / Warhead Arming Device (WAD) (Service Life Extension)				- / 7.562	- / 0.007	- / 0.010	- / -	- / -	- / -
P-40a***	860104 / Rotary Switch (RS) (Reliability & Maintainability)				- / 30.996	- / 7.744	- / 5.980	- / 2.500	- / -	- / 2.500
P-40a***	860106 / W-10 Cable (Service Life Extension)				- / 2.003	- / 0.185	- / 0.206	- / -	- / -	- / -
P-40a***	860107 / Fuze Assembly (Service Life Extension)				- / 6.219	- / -	- / 3.757	- / 0.952	- / -	- / 0.952
P-40a***	860110 / Voltage Regulator (Reliability & Maintainability)				- / -	- / -	- / 1.000	- / 1.000	- / -	- / 1.000
P-40a***	860111 / Elevon Actuator Controller (EAC) (Reliability & Maintainability)				- / -	- / -	- / -	- / 4.300	- / -	- / 4.300
P-3a	860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit (Capability Improvement)		B		- / 9.849	- / 21.342	- / 7.485	- / 11.464	- / 0.000	- / 11.464
P-3a	860105 / Guided Missile Flight Controller (GMFC) (Reliability & Maintainability)		B		- / 5.687	- / 4.848	- / 4.575	- / 5.590	- / 0.000	- / 5.590
P-3a	860108 / Inertial Navigation Element (INE) (Reliability & Maintainability)		B		- / 30.969	- / 6.943	- / 4.200	- / 5.380	- / 0.000	- / 5.380
P-3a	860109 / Flight Data Transmitter (Service Life Extension)		A		- / -	- / 0.836	- / 0.000	- / 5.290	- / 0.000	- / 5.290
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 139.273</b>	<b>- / 46.799</b>	<b>- / 33.778</b>	<b>- / 41.494</b>	<b>- / -</b>	<b>- / 41.494</b>

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***	_0468 / AGM-86B Low Cost Mods (Other)				- / 0.100	- / 0.100	- / -	- / -	- / -	- / 2.496
P-40a***	860011 / Support Equipment (Reliability & Maintainability)				- / 6.504	- / 2.805	- / 7.419	- / 14.128	- / -	- / 64.266
P-40a***	860101 / AGM-86B Service Life Extension Program 1 (Service Life Extension)				- / 4.180	- / 3.170	- / 0.020	- / 0.020	- / -	- / 34.149
P-40a***	860103 / Warhead Arming Device (WAD) (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 7.579
P-40a***	860104 / Rotary Switch (RS) (Reliability & Maintainability)				- / 0.620	- / 0.040	- / 0.010	- / -	- / -	- / 47.890
P-40a***	860106 / W-10 Cable (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 2.394
P-40a***	860107 / Fuze Assembly (Service Life Extension)				- / 0.000	- / -	- / -	- / -	- / -	- / 10.928
P-40a***	860110 / Voltage Regulator (Reliability & Maintainability)				- / 1.000	- / 1.000	- / 1.000	- / 0.851	- / 0.000	- / 5.851
P-40a***	860111 / Elevon Actuator Controller (EAC) (Reliability & Maintainability)				- / 5.200	- / 6.000	- / 6.100	- / 6.000	- / 7.020	- / 34.620
P-3a	860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 50.140



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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 03: Modification of Inservice Missiles / BSA 1: Class IV **P-1 Line Item Number / Title:** MALCBG / Air Launch Cruise Missile (ALCM)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0101122F **Other Related Program Elements:** 0101122F

**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	860105 / Guided Missile Flight Controller (GMFC) (Reliability & Maintainability)		B		- / 5.610	- / 5.690	- / 4.480	- / 0.010	- / 0.010	- / 36.500
P-3a	860108 / Inertial Navigation Element (INE) (Reliability & Maintainability)		B		- / 5.300	- / 4.440	- / 4.530	- / 4.414	- / 35.424	- / 101.600
P-3a	860109 / Flight Data Transmitter (Service Life Extension)		A		- / 5.440	- / 5.580	- / 5.720	- / 4.480	- / 4.035	- / 31.381
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 33.954</b>	<b>- / 28.825</b>	<b>- / 29.279</b>	<b>- / 29.903</b>	<b>- / 46.489</b>	<b>- / 429.794</b>

\*\*\* 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 860111, Elevon Actuator Controller (EAC), is a new start.  
  
 FY24 Funding will address modifications identified and described in the P40 and associated P-3As.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	9.849	21.342	7.485	11.464	0.000	11.464	0.000	0.000	0.000	0.000	0.000	50.140
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	9.849	21.342	7.485	11.464	0.000	11.464	0.000	0.000	0.000	0.000	0.000	50.140
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>9.849</b>	<b>21.342</b>	<b>7.485</b>	<b>11.464</b>	<b>0.000</b>	<b>11.464</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>50.140</b>

*(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 reflects the procurement of Conventional/Air Launched Cruise Missile (CALCM/ALCM) Test Instrumentation Kits (CATIK). CATIKs provide telemetry, tracking, flight termination, and battery power to support missile flight testing while meeting Range Safety Standards. A complete CATIK unit consists of payload doors, a GPS receiver, telemetry transmitter, signal multiplexer, Flight Termination Receiver (FTR), exploding bridge wire (EBW), various wiring harnesses, a battery set (defined below), an encryption/decryption unit (EU/DU), and other generic hardware components. The CATIK is required for flight testing and critical to collecting data for the Nuclear Weapon System Evaluation Program. On average, six CATIKs are consumed each year to support flight tests. This number may fluctuate based on flight test requirements.

Battery sets are procured on the same contract as the CATIK. A set of batteries consists of a Flight Termination Receiver (FTR) battery and a separate battery for the telemetry instrumentation. Battery sets have a two year lead time from receipt of order and are limited to a seven year shelf life. CATIK batteries are represented in the "SUPPORT-EQUIP" line.

The current activity will also procure modified CATIK components and associated equipment to support integration of new Encryption/Decryption chips. The National Security Agency (NSA) is phasing out the old Encryption/Decryption chips due to crypto modernization. To ensure continued support of the ALCM, the Missile Sustainment Division has acquired a waiver from NSA which supports the continued use of current chips out to a future classified date. This modification was initiated with an Aug 2014 award to Boeing for EU/DU replacement. Encryption Equipment is procured along with CATIK but not on a one-for-one basis (the number of Encryption chips procured in a given year varies).

Schedule delays related to the manufacture of new components have caused delivery delays for CATIKs purchased with FY16, FY17, and FY18 funds. Deliveries should be back on schedule by the time CATIKs purchased in FY20 deliver in 2023.

The total objective for the current CATIK production contract is 70 CATIKs and 70 Battery sets. Prior year quantities are not reflected in total column. 24 CATIKs and 12 Battery sets have been procured on the Basic and Option 1 (prior years), Option 2 (FY19) was for 12 Battery sets only, Option 3 was for 13 CATIKs(FY20/FY21), Options 4 was for 14 CATIKs and 12 Battery sets in FY22, Option 5 is for 12 CATIKs in FY23, and Option 6 (FY24) will be for 34 Battery sets and 7 CATIKs. Procured 8 CATIKs with FY22 funds and 4 CATIKs with FY23 funds.

CATIK funds will continue to support AFGSC and USSTRATCOM requirements to keep the ALCM viable through 2030.

Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Milestone/Development Status

CATIK Enterprise effort consists of CATIK units, Encryption units, Battery Sets, and Decryption units to support flight tests through FY33.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1				<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)							<b>Modification Number / Title:</b> 860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> AGM-86B				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0101122F					
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)	
<b>Procurement</b>													
<i>Modification Item 1 of 1: CATIKS</i>													
B Kits													
Recurring													
CATIKS:EQUIPMENT Group B (Active)	13 / 6.930	20 / 19.584	4 / 4.000	7 / 8.122	- / -	7 / 8.122	- / -	- / -	- / -	- / -	- / -	44 / 38.636	
<i>Subtotal: Recurring</i>	- / 6.930	- / 19.584	- / 4.000	- / 8.122	- / -	- / 8.122	- / -	- / -	- / -	- / -	- / -	- / 38.636	
<i>Subtotal: CATIKS</i>	- / 6.930	- / 19.584	- / 4.000	- / 8.122	- / -	- / 8.122	- / -	- / -	- / -	- / -	- / -	- / 38.636	
<i>Subtotal: Procurement, All Modification Items</i>	- / 6.930	- / 19.584	- / 4.000	- / 8.122	- / -	- / 8.122	- / -	- / -	- / -	- / -	- / -	- / 38.636	
<b>Support (All Modification Items)</b>													
PMA - Other Gov't Costs	- / 2.919	- / -	- / -	- / 0.064	- / -	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / 2.983	
Change Orders	- / -	- / -	- / 13.477	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.477	
OTHER GOVT	- / -	- / 0.008	- / 0.008	- / 0.008	- / -	- / 0.008	- / -	- / -	- / -	- / -	- / -	- / 0.024	
SUPPORT-EQUIP	- / -	12 / 1.750	- / -	34 / 3.270	- / -	34 / 3.270	- / -	- / -	- / -	- / -	- / -	46 / 5.020	
<i>Subtotal: Support</i>	- / 2.919	12 / 1.758	- / 3.485	34 / 3.342	- / -	34 / 3.342	- / -	- / -	- / -	- / -	- / -	46 / 11.504	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>9.849</b>	<b>21.342</b>	<b>7.485</b>	<b>11.464</b>	<b>0.000</b>	<b>11.464</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>50.140</b>	

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)			<b>Modification Number / Title:</b> 860009 / AGM-86B CALCM/ALCM Test Instrumentation Kit	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> CATIKS							
<b>Manufacturer Information</b>							
Manufacturer Name: Boeing Company				Manufacturer Location: Oklahoma City, OK			
Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 30			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates	Dec 2021	Dec 2022	Dec 2023				
Delivery Dates	Jun 2024	Jun 2025	Jun 2026				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 44		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860105 / Guided Missile Flight Controller (GMFC)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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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> )	5.687	4.848	4.575	5.590	0.000	5.590	5.610	5.690	4.480	0.010	0.010	36.500
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5.687	4.848	4.575	5.590	0.000	5.590	5.610	5.690	4.480	0.010	0.010	36.500
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5.687</b>	<b>4.848</b>	<b>4.575</b>	<b>5.590</b>	<b>0.000</b>	<b>5.590</b>	<b>5.610</b>	<b>5.690</b>	<b>4.480</b>	<b>0.010</b>	<b>0.010</b>	<b>36.500</b>

*(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 FY19, the program segregated the AGM-86B Service Life Extension Program (SLEP-2) components Guided Missile Flight Controller (GMFC), Rotary Switch (RS), and Warhead Arming Device (WAD) into separate efforts. Some of the hardware installations documented under GMFC are for hardware procured under SLEP-2. Ref AGM-86B Service Life Extension Program (SLEP-2) modification number 860002 for information prior to FY19.

AF Long Range Planning required the service life of the ALCM to be extended through 2030. In order to satisfy the life extension requirement, several phases of the Service Life Extension program (SLEP) were implemented, a proactive approach. Through studies and surveillance and analysis programs, various components were identified as candidates for replacement due to aging and obsolescence issues before they become fleet-wide problems. This modification executes a remanufacture of the GMFC. The GMFC kit will be issued via a Time Compliance Technical Order (TCTO). The remanufactured GMFC TCTO will be available for installation at Hill AFB, Analytical Condition Inspection (ACI) at an annual rate of 24 kits. The GMFC TCTO kit will also be available to the organizational-level maintenance units for installation at a rate of 70 per year in conjunction with scheduled maintenance activities. This effort is critical to meet Air Force Global Strike Command (AFGSC) and United States Strategic Command (USSTRATCOM) operational needs. Installations are expected to occur FY24-FY29.

The total objective for GMFC remanufacture is 542 units at an estimated unit cost of \$52,000 each.

Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

SLEP funds will continue to support AFGSC and USSTRATCOM requirements to keep the ALCM viable through 2030.

Non-Recurring costs were added to show previous years costs associated with Engineering Analysis and Remanufacture Readiness.

FY21-FY22 procurement dollars support the non-recurring engineering support for prototyping the remanufacture of the GMFC, the remanufacture will begin in FY23.

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

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860105 / Guided Missile Flight Controller (GMFC)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>	
Engineering studies and analysis programs identified SLEP components for replacement due to aging and obsolescence issues. Solutions to these aging and obsolescence issues were identified through engineering studies conducted by the Original Equipment Manufacturer.		

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1					<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)					<b>Modification Number / Title:</b> 860105 / Guided Missile Flight Controller (GMFC)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> AGM-86B				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b> 0101122F					
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)	
<b>Procurement</b>													
<i>Modification Item 1 of 2: GMFC Depot</i>													
B Kits													
Recurring													
GMFC Depot:EQUIPMENT Group B (Active)	0 / 0.000	24 / 1.237	24 / 0.950	24 / 1.379	- / -	24 / 1.379	24 / 1.414	24 / 1.450	24 / 1.490	- / -	- / -	144 / 7.920	
<i>Subtotal: Recurring</i>	- / 0.000	- / 1.237	- / 0.950	- / 1.379	- / -	- / 1.379	- / 1.414	- / 1.450	- / 1.490	- / -	- / -	- / 7.920	
<i>Subtotal: GMFC Depot</i>	- / 0.000	- / 1.237	- / 0.950	- / 1.379	- / -	- / 1.379	- / 1.414	- / 1.450	- / 1.490	- / -	- / -	- / 7.920	
<i>Modification Item 2 of 2: GMFC Org/Intermediate</i>													
B Kits													
Recurring													
GMFC Org/Intermediate:EQUIPMENT Group B (Active)	0 / 0.000	70 / 3.608	70 / 2.772	70 / 4.021	- / -	70 / 4.021	70 / 4.125	70 / 4.220	48 / 2.970	- / -	- / -	398 / 21.716	
<i>Subtotal: Recurring</i>	- / 0.000	- / 3.608	- / 2.772	- / 4.021	- / -	- / 4.021	- / 4.125	- / 4.220	- / 2.970	- / -	- / -	- / 21.716	
<i>Subtotal: GMFC Org/Intermediate</i>	- / 0.000	- / 3.608	- / 2.772	- / 4.021	- / -	- / 4.021	- / 4.125	- / 4.220	- / 2.970	- / -	- / -	- / 21.716	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 4.845	- / 3.722	- / 5.400	- / -	- / 5.400	- / 5.539	- / 5.670	- / 4.460	- / -	- / -	- / 29.636	
<b>Support (All Modification Items)</b>													
GROUP B: TOTAL NONRECURRING	- / 1.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.383	
SUPPORT-EQUIP	- / 4.279	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.279	
PMA - Other Gov't Costs	- / 0.025	- / 0.003	- / 0.853	- / 0.180	- / -	- / 0.180	- / 0.061	- / 0.010	- / 0.010	- / -	- / -	- / 1.142	
<i>Subtotal: Support</i>	- / 5.687	- / 0.003	- / 0.853	- / 0.180	- / -	- / 0.180	- / 0.061	- / 0.010	- / 0.010	- / -	- / -	- / 6.804	
<b>Installation</b>													
<i>Modification Item 1 of 2: GMFC Depot</i>	- / -	- / -	- / -	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	144 / 0.060	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	144 / 0.060	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>5.687</b>	<b>4.848</b>	<b>4.575</b>	<b>5.590</b>	<b>0.000</b>	<b>5.590</b>	<b>5.610</b>	<b>5.690</b>	<b>4.480</b>	<b>0.010</b>	<b>0.010</b>	<b>36.500</b>	



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860105 / Guided Missile Flight Controller (GMFC)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 2:** GMFC Depot

**Manufacturer Information**

Manufacturer Name: Boeing Guidance and Repair Center	Manufacturer Location: Heath, Ohio
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	Aug 2022	May 2023	May 2024	May 2025	May 2026	May 2027	
Delivery Dates	Oct 2023	Jul 2024	Jul 2025	Jul 2026	Jul 2027	Jul 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	- / -	- / -	- / -	24 / 0.010	- / -	24 / 0.010	- / -	- / -	- / -	- / -	- / -	24 / 0.010
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	- / -	- / -	- / -	24 / 0.010
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	- / -	- / -	24 / 0.010
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	- / -	24 / 0.010
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	24 / 0.010
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	24 / 0.010
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.010	144 / 0.060

**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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	24	144
Out	0	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	24	144

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)			<b>Modification Number / Title:</b> 860105 / Guided Missile Flight Controller (GMFC)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 2:</b> GMFC Org/Intermediate							
<b>Manufacturer Information</b>							
Manufacturer Name: Boeing Guidance and Repair Center				Manufacturer Location: Heath, Ohio			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 14			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates	Aug 2022	May 2023	May 2024	May 2025	May 2026	May 2027	
Delivery Dates	Oct 2023	Jul 2024	Jul 2025	Jul 2026	Jul 2027	Jul 2028	
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 398		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860108 / Inertial Navigation Element (INE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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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> )	30.969	6.943	4.200	5.380	0.000	5.380	5.300	4.440	4.530	4.414	35.424	101.600
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	30.969	6.943	4.200	5.380	0.000	5.380	5.300	4.440	4.530	4.414	35.424	101.600
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>30.969</b>	<b>6.943</b>	<b>4.200</b>	<b>5.380</b>	<b>0.000</b>	<b>5.380</b>	<b>5.300</b>	<b>4.440</b>	<b>4.530</b>	<b>4.414</b>	<b>35.424</b>	<b>101.600</b>

*(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:**

AF Long Range Planning required the service life of the ALCM to be extended through 2030. In order to satisfy the life extension requirement, several phases of the Service Life Extension Program (SLEP) were implemented, a proactive approach. Through studies and surveillance and analysis programs, various components were identified as candidates for replacement due to aging and obsolescence issues before they become fleet-wide problems. This effort produces working engineering samples to verify and certify viability of manufacturing methodology. Verification will be established through scientific methods and analysis of testing results. Testing may include destructive methods. A total of 40 INE kits will be delivered each year until a total 550 have been delivered. Up to 24 SLEP INE kits per year will be delivered to the depot for installation in conjunction with Analytical Condition Inspection (ACI) missiles. The remaining unit kits will be delivered to the organizational-level maintenance units for installation via Time Compliance Technical Order (TCTO) in conjunction with scheduled maintenance activities.

This program is currently in Phase II to include delivery of working engineering samples, certification of production, and production of INE's equal to the function and reliability of "like new" devices. The remanufacture contract has been awarded to shorten the asset availability date and ensure procurement of complete usable end items.

This effort is critical to meet Air Force Global Strike Command (AFGSC) and United States Strategic Command (USSTRATCOM) operational needs. Installations are planned to begin in FY23.

Funds may be used to address emerging and short notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

SLEP funds will continue to support AFGSC and USSTRATCOM requirements to keep the ALCM viable through the 2030's.

The small increase in FY24 to program completion is due to additional SRU testing requirements needed to support the INE remanufacture program.

Due to DMSMS and obsolescence concerns the INE remanufacture Statement of Work (SOW) requires configuration control requirements. This may drive the contractor to purchase all material up front to avoid any DMSMS or obsolescence 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

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860108 / Inertial Navigation Element (INE)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>	
Engineering studies and analysis programs identified SLEP components for replacement due to aging and obsolescence issues. Solutions to these aging and obsolescence issues were identified through engineering studies conducted by the Original Equipment Manufacturer.		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1				<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)							<b>Modification Number / Title:</b> 860108 / Inertial Navigation Element (INE)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> AGM-86B				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b> 0101122F					
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)	
<b>RDT&amp;E PE #</b>													
0101122F	- / 8.048	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.318	
<b>Procurement</b>													
<b>Modification Item 1 of 2: INE - Depot</b>													
A Kits													
Recurring													
INE - Depot:INSTALL KITS Group A (Active)	48 / 15.089	24 / 1.790	24 / 1.532	24 / 2.374	- / -	24 / 2.374	24 / 2.431	24 / 2.489	24 / 2.504	24 / 2.565	120 / 14.774	336 / 45.548	
<i>Subtotal: Recurring</i>	- / 15.089	- / 1.790	- / 1.532	- / 2.374	- / -	- / 2.374	- / 2.431	- / 2.489	- / 2.504	- / 2.565	- / 14.774	- / 45.548	
<i>Subtotal: INE - Depot</i>	- / 15.089	- / 1.790	- / 1.532	- / 2.374	- / -	- / 2.374	- / 2.431	- / 2.489	- / 2.504	- / 2.565	- / 14.774	- / 45.548	
<b>Modification Item 2 of 2: INE - org / intermediate</b>													
A Kits													
Recurring													
INE - org / intermediate:INSTALL KITS Group A (Active)	32 / 10.060	16 / 1.194	16 / 1.545	16 / 1.583	- / -	16 / 1.583	16 / 1.621	16 / 1.660	16 / 1.669	16 / 1.710	70 / 8.240	214 / 29.282	
<i>Subtotal: Recurring</i>	- / 10.060	- / 1.194	- / 1.545	- / 1.583	- / -	- / 1.583	- / 1.621	- / 1.660	- / 1.669	- / 1.710	- / 8.240	- / 29.282	
<i>Subtotal: INE - org / intermediate</i>	- / 10.060	- / 1.194	- / 1.545	- / 1.583	- / -	- / 1.583	- / 1.621	- / 1.660	- / 1.669	- / 1.710	- / 8.240	- / 29.282	
<i>Subtotal: Procurement, All Modification Items</i>	- / 25.149	- / 2.984	- / 3.077	- / 3.957	- / -	- / 3.957	- / 4.052	- / 4.149	- / 4.173	- / 4.275	- / 23.014	- / 74.830	
<b>Support (All Modification Items)</b>													
GROUP A: TOTAL NONRECURRING	- / 2.236	- / 0.956	- / 0.983	- / 1.003	- / -	- / 1.003	- / 1.029	- / -	- / -	- / -	- / 11.833	- / 18.040	
PMA - Other Gov't Costs	- / 3.584	- / 3.003	- / 0.130	- / 0.410	- / -	- / 0.410	- / 0.209	- / 0.281	- / 0.349	- / 0.132	- / 0.521	- / 8.619	
<i>Subtotal: Support</i>	- / 5.820	- / 3.959	- / 1.113	- / 1.413	- / -	- / 1.413	- / 1.238	- / 0.281	- / 0.349	- / 0.132	- / 12.354	- / 26.659	
<b>Installation</b>													
<b>Modification Item 1 of 2: INE - Depot</b>	- / -	- / -	24 / 0.010	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.008	24 / 0.007	192 / 0.056	336 / 0.111	
<i>Subtotal: Installation</i>	- / -	- / -	24 / 0.010	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.008	24 / 0.007	192 / 0.056	336 / 0.111	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>30.969</b>	<b>6.943</b>	<b>4.200</b>	<b>5.380</b>	<b>0.000</b>	<b>5.380</b>	<b>5.300</b>	<b>4.440</b>	<b>4.530</b>	<b>4.414</b>	<b>35.424</b>	<b>101.600</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860108 / Inertial Navigation Element (INE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 2:** INE - Depot

**Manufacturer Information**

Manufacturer Name: Northrop Grumman	Manufacturer Location: Salt Lake City, UT
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 29

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	Aug 2024	Aug 2025	Aug 2026	Aug 2027	Aug 2028	Aug 2029	Aug 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	- / -	- / -	24 / 0.010	24 / 0.010	- / -	24 / 0.010	- / -	- / -	- / -	- / -	- / -	48 / 0.020
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	- / -	- / -	- / -	24 / 0.010
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.010	- / -	- / -	- / -	24 / 0.010
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.008	- / -	- / -	24 / 0.008
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.007	- / -	24 / 0.007
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.007	24 / 0.007
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.007	24 / 0.007
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.007	24 / 0.007
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 0.035	120 / 0.035
Total	- / -	- / -	24 / 0.010	24 / 0.010	- / -	24 / 0.010	24 / 0.010	24 / 0.010	24 / 0.008	24 / 0.007	192 / 0.056	336 / 0.111

**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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	192	336
Out	0	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	192	336

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)			<b>Modification Number / Title:</b> 860108 / Inertial Navigation Element (INE)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 2:</b> INE - org / intermediate							
<b>Manufacturer Information</b>							
Manufacturer Name: Northrop Grumman				Manufacturer Location: Salt Lake City, UT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 29			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates	Aug 2024	Aug 2025	Aug 2026	Aug 2027	Aug 2028	Aug 2029	Aug 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 214		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860109 / Flight Data Transmitter

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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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> )	-	0.836	0.000	5.290	0.000	5.290	5.440	5.580	5.720	4.480	4.035	31.381
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.836	0.000	5.290	0.000	5.290	5.440	5.580	5.720	4.480	4.035	31.381
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.836</b>	<b>0.000</b>	<b>5.290</b>	<b>0.000</b>	<b>5.290</b>	<b>5.440</b>	<b>5.580</b>	<b>5.720</b>	<b>4.480</b>	<b>4.035</b>	<b>31.381</b>

*(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:**

AF Long Range Planning required the service life of the ALCM to be extended through 2030. In order to satisfy the life extension requirement, several phases of the Service Life Extension Program (SLEP) were implemented, a proactive approach.

The FDT consists of three rate gyros, one accelerometer and two circuit cards. The three rate gyros of the FDT provide three-axis measurement for angular acceleration, in degrees per second, in the X, Y and Z axis. The accelerometer measures linear acceleration, in Gs, in the Z axis for the missile. Through analytical condition inspections, the FDT was identified to have components that needed to be replaced in order to meet fleet-wide reliability and continued mission success.

In total, 542 FDT kits will be procured throughout the life of the program.

Due to delay in Phase I engineering reports, Production and installations were rephased to begin in FY24.

Up to 24 SLEP FDT kits per year will be delivered to the depot for installation in conjunction with Analytical Condition Inspection (ACI) missiles. The remaining SLEP FDT kits will be delivered to the organizational-level maintenance units for installation via Time Compliance Technical Order (TCTO) in conjunction with scheduled maintenance activities. Service life extension of this critical weapon is essential to meet Air Force Global Strike Command (AFGSC) and United States Strategic Command (USSTRATCOM) operational needs.

Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

SLEP funds will continue to support AFGSC and USSTRATCOM requirements to keep the ALCM viable through 2030

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**

Engineering studies and analysis programs identified SLEP components for replacement due to aging and obsolescence issues. Solutions to these aging and obsolescence issues are being identified through engineering studies conducted by the Original Equipment Manufacturer.



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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1					<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)					<b>Modification Number / Title:</b> 860109 / Flight Data Transmitter			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> AGM-86B				<b>Modification Type:</b> Service Life Extension				<b>Related RDT&amp;E PEs:</b>					
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)	
<b>Procurement</b>													
<i>Modification Item 1 of 2: FDT Kit - Depot</i>													
A Kits													
Recurring													
FDT Kit - Depot:INSTALL KITS Group A (Active)	- / -	- / -	- / -	24 / 1.334	- / -	24 / 1.334	24 / 1.380	24 / 1.414	24 / 1.460	24 / 1.493	24 / 1.330	144 / 8.411	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.334	- / -	- / 1.334	- / 1.380	- / 1.414	- / 1.460	- / 1.493	- / 1.330	- / 8.411	
<i>Subtotal: FDT Kit - Depot</i>	- / -	- / -	- / -	- / 1.334	- / -	- / 1.334	- / 1.380	- / 1.414	- / 1.460	- / 1.493	- / 1.330	- / 8.411	
<i>Modification Item 2 of 2: FDT Kit - Organic</i>													
A Kits													
Recurring													
FDT Kit - Organic:INSTALL KITS Group A (Active)	- / -	- / -	- / -	70 / 3.946	- / -	70 / 3.946	70 / 4.044	70 / 4.150	70 / 4.244	70 / 2.981	48 / 2.661	398 / 22.026	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.946	- / -	- / 3.946	- / 4.044	- / 4.150	- / 4.244	- / 2.981	- / 2.661	- / 22.026	
<i>Subtotal: FDT Kit - Organic</i>	- / -	- / -	- / -	- / 3.946	- / -	- / 3.946	- / 4.044	- / 4.150	- / 4.244	- / 2.981	- / 2.661	- / 22.026	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 5.280	- / -	- / 5.280	- / 5.424	- / 5.564	- / 5.704	- / 4.474	- / 3.991	- / 30.437	
<b>Support (All Modification Items)</b>													
Data	- / -	- / 0.836	- / -	- / 0.010	- / -	- / 0.010	- / 0.016	- / 0.010	- / 0.010	- / -	- / 0.028	- / 0.910	
<i>Subtotal: Support</i>	- / -	- / 0.836	- / -	- / 0.010	- / -	- / 0.010	- / 0.016	- / 0.010	- / 0.010	- / -	- / 0.028	- / 0.910	
<b>Installation</b>													
<i>Modification Item 1 of 2: FDT Kit - Depot</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	24 / 0.006	24 / 0.006	78 / 0.016	144 / 0.034	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	24 / 0.006	24 / 0.006	78 / 0.016	144 / 0.034	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	0.836	0.000	5.290	0.000	5.290	5.440	5.580	5.720	4.480	4.035	31.381	

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1	<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)	<b>Modification Number / Title:</b> 860109 / Flight Data Transmitter
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Modification Item 1 of 2:** FDT Kit - Depot

**Manufacturer Information**

Manufacturer Name: Robins AFB	Manufacturer Location: Warner Robins, GA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 19

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	Jun 2028
Delivery Dates			Jan 2026	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	6 / 0.000	- / -	- / -	24 / 0.006
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	6 / 0.000	- / -	24 / 0.006
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	6 / 0.000	24 / 0.006
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.004	24 / 0.004
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.006	24 / 0.006
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.006	24 / 0.006
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.006	24 / 0.006	24 / 0.006	78 / 0.016	144 / 0.034

**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	6	6	6	6	6	6	6	6	6	6	6	6	6	78	144
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	78	144

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 03 / 1			<b>P-1 Line Item Number / Title:</b> MALCBG / Air Launch Cruise Missile (ALCM)			<b>Modification Number / Title:</b> 860109 / Flight Data Transmitter	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 2:</b> FDT Kit - Organic							
<b>Manufacturer Information</b>							
Manufacturer Name: Robins AFB				Manufacturer Location: Warner Robins, GA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 19			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates			Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028
Delivery Dates			Jan 2026	Jan 2027	Jan 2028	Jan 2029	Jan 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 398		

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3020F: Missile Procurement, Air Force / BA 04: Spares and Repair Parts / BSA 10: Missile Spares and Repair Parts

**P-1 Line Item Number / Title:**  
00098A / Msl Sprs/Repair Parts (Initial)

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

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

Resource Summary	Prior Years	FY 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	16.212	15.354	6.840	-	6.840	6.944	5.846	5.936	6.062	0.000	63.194
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	16.212	15.354	6.840	-	6.840	6.944	5.846	5.936	6.062	0.000	63.194
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>16.212</b>	<b>15.354</b>	<b>6.840</b>	<b>-</b>	<b>6.840</b>	<b>6.944</b>	<b>5.846</b>	<b>5.936</b>	<b>6.062</b>	<b>0.000</b>	<b>63.194</b>

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

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

**Description:**

FY22 funding totals include \$4.045M requested for Direct War and/or Enduring Requirements.

The FY24 funding request was reduced by \$4.000M to account for the availability of prior year execution balances.

Missile Initial Spares (Budget Program 26) and Replenishment Spares (Budget Program 25) Program Description: MISSILE INITIAL SPARES (Budget Program 26). Missile Initial Spares are required to fill the initial spare parts pipeline or inventory for all new ballistic and non-ballistic missile systems, including modifications, support equipment, and other production categories. Initial spares include peculiar repairable and consumable components, assemblies, and subassemblies that must be available for issue at all levels of supply in time to support and maintain newly fielded end items.

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

Working Capital Fund (WCF) Spares. Since FY94 most spares are purchased using obligation authority in the WCF. When the spares are delivered, this central procurement account reimburses the WCF. Types of spares in this program segment are Readiness Spares Packages, New Acquisition Spares, Modification Spares, Support Equipment, Other Production, and Consumables.

Exempt Spares. This program segment finances spares that are not purchased through the WCF. The budget authority is a direct cite on the contract. Types of spares in this program segment are Contractor Logistics Support, Simulators/Trainers, Classified Equipment, and Munitions.

The following Major Defense Acquisition Programs (MDAP) have funding in this line:  
AMRAAM, 185  
AIM-9X Blk II, 442  
JASSM, 555

This program has associated Research Development Test and Evaluation funding in PEs 11120F, 11213F, 27161F, 11122F, and 27163F.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3020F: Missile Procurement, Air Force / BA 04: Spares and Repair Parts / BSA 10: Missile Spares and Repair Parts **P-1 Line Item Number / Title:**  
 00098A / Msl Sprs/Repair Parts (Initial)

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

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

Exhibits Schedule					Prior Years	FY 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-18	Missile Spares/Repair Parts (Initial)			185	- / -	- / 16.212	- / 15.354	- / 6.840	- / 0.000	- / 6.840
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 16.212</b>	<b>- / 15.354</b>	<b>- / 6.840</b>	<b>- / -</b>	<b>- / 6.840</b>

Title represents the P-18 Title for Spares.

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

**Justification:**

AGM-86 Air Launched Cruise Missile (ALCM): The FY24 ALCM funding request for initial spares supports multiple components for the ALCM. Funding supports initial spares for multiple on-going Service Life Extension Programs (SLEPs) to ensure it remains viable until the Long Range Stand Off (LRSO) missile fields. ALCM SLEP projects include SLEP 1 and component SLEPs for the Rotary Switch, Warhead Arming Device, Guided Missile Flight Control, W-10 cable, Fuze Assembly, Inertial Navigation Element and the Flight Data Transmitter.

Joint Air-Surface Standoff Missile (JASSM): The FY24 JASSM missile initial spares program funds are required to fill the initial spares pipeline. Funding will procure critical initial spares for the JASSM and JASSM-ER programs. These parts include items such as seeker assemblies, missile control units (MCU), JASSM Anti-Jam GPS Receivers (JAGR), Electronic Safe and Arm Fuzes (ESAF), Bomb Impact Assessment (BIA) and other components to support and maintain fielded end items. These spares ensure JASSM meets Air Combat Command's materiel availability rates.

Long Range Anti-Ship Missile (LRASM): The FY24 LRASM missile initial spares program funds are required to fill the initial spares pipeline. Funding will procure initial spares for the AF LRASM program. These parts include items such radio frequency seeker (RFS) sensor suites, weapons data link (WDL), missile control units (MCU), power electronics control unit assembly (PECU), Electronic Safe and Arm Fuzes (ESAF), and other components to support and maintain fielded end items. These spares ensure LRASM meets Air Combat Command's materiel availability rates.

AIM-120 Advanced Medium Range Air to Air Missile: The FY24 Missile Initial Spares program funds depot level post warranty repairs.

AIM-9 Sidewinder/AIM-9X: FY24 funding for Missile Initial Spares program addresses depot level post warranty repairs and procures initial spares for all variants. These spares are essential for repairs that do not have parts available.

MM III Modifications: No FY24 funding being requested

SDB II: FY24 funds are required to establish an initial baseline of spare components to stock the depot to sustain non-warranty repairs and to procure additional spares to prevent pipeline gaps, based on obsolescence, due to future planned configuration changes.

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<b>Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Air Force</b>					<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 04 / 10		<b>P-1 Line Item Number / Title:</b> 00098A / Msl Sprs/Repair Parts (Initial)			<b>Title:</b> Missile Spares/Repair Parts (Initial)	
<b>End Item Line Item Number / Name [MDAP/MAIS]</b>	<b>Prior Years</b> <i>(\$ M)</i>	<b>FY 2022</b> <i>(\$ M)</i>	<b>FY 2023</b> <i>(\$ M)</i>	<b>FY 2024 Base</b> <i>(\$ M)</i>	<b>FY 2024 OCO</b> <i>(\$ M)</i>	<b>FY 2024 Total</b> <i>(\$ M)</i>
<b>Initial</b>						
BA 04 - Spares and Repair Parts						
MALCBG / Air Launch Cruise Missile (ALCM)	-	0.428	0.452	0.360	0.000	0.360
MAMRA0 / AMRAAM [185]	-	3.003	3.165	2.286	0.000	2.286
JASSM0 / JOINT AIR-SURFACE STANDOFF MISSILE	-	0.442	0.469	0.482	0.000	0.482
M30MLG / MM III MODIFICATIONS	-	6.597	1.380	0.000	0.000	0.000
LRASM / Long Range Anti-Ship Missile (LRASM)	-	-	5.198	0.524	0.000	0.524
MGBSD0 / Ground Based Strategic Deterrent (GBSD)	-	2.000	-	0.000	0.000	0.000
M09HAI / Sidewinder (AIM-9X)	-	3.742	3.546	2.034	0.000	2.034
SDB002 / Small Diameter Bomb (SDB)	-	-	1.144	1.154	0.000	1.154
<b>Subtotal: Initial</b>	-	<b>16.212</b>	<b>15.354</b>	<b>6.840</b>	<b>0.000</b>	<b>6.840</b>
<b>Total Cost (Initial + Replenishment)</b>	-	<b>16.212</b>	<b>15.354</b>	<b>6.840</b>	<b>0.000</b>	<b>6.840</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3020F: Missile Procurement, Air Force / BA 04: Spares and Repair Parts / BSA 10: Missile Spares and Repair Parts

**P-1 Line Item Number / Title:**  
 00098K / Msl Sprs/Repair Parts (Replen)

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

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

Resource Summary	Prior Years	FY 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	71.788	62.978	75.191	-	75.191	90.926	82.255	84.126	85.679	0.000	552.943
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	71.788	62.978	75.191	-	75.191	90.926	82.255	84.126	85.679	0.000	552.943
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>71.788</b>	<b>62.978</b>	<b>75.191</b>	-	<b>75.191</b>	<b>90.926</b>	<b>82.255</b>	<b>84.126</b>	<b>85.679</b>	<b>0.000</b>	<b>552.943</b>

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

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

**Description:**

Program Description: MISSILE REPLENISHMENT SPARES (Budget Program 25). The Missile Replenishment Spares program funds all ballistic and non-ballistic missile replenishment spares. The replenishment and repair spare parts are needed to support and maintain ballistic and non-ballistic missile systems. Replenishment spares include such items as rocket motors, cables, telemetry packages, and electronic components. Procurements will include spares with long production lead items.

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

- AMRAAM, 185
- SDB II, 439
- AIM-9X Blk II, 442

This program has associated Research Development Test and Evaluation funding in PEs 11120F, 11213F, 27161F, 11122F, and 27163F.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3020F: Missile Procurement, Air Force / BA 04: Spares and Repair Parts / BSA 10: Missile Spares and Repair Parts

**P-1 Line Item Number / Title:**  
 00098K / Msl Sprs/Repair Parts (Replen)

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

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

Exhibits Schedule					Prior Years	FY 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-18	Msl Sprs/Repair Parts (Replen)				- / -	- / 71.788	- / 62.978	- / 75.191	- / 0.000	- / 75.191
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 71.788</b>	<b>- / 62.978</b>	<b>- / 75.191</b>	<b>- / -</b>	<b>- / 75.191</b>

Title represents the P-18 Title for Spares.

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

**Justification:**

AGM-86 Air Launched Cruise Missile (ALCM): The FY23 ALCM funding request for replen spares supports multiple components for the ALCM. Funding supports initial spares for multiple on-going Service Life Extension Programs (SLEPs) to ensure it remains viable until the Long Range Stand Off (LRSO) missile fields. ALCM SLEP projects include SLEP 1 and component SLEPs for the Rotary Switch, Warhead Arming Device, Guided Missile Flight Control, W-10 cable, Fuze Assembly, Inertial Navigation Element and the Flight Data Transmitter.

MM III Modifications: FY23 replenishment spares funding will specifically procure items such as batteries ordnance, cables, antenna kits, telemetry packages, torque motors, and other electronic components supporting weapons system operations and operational test launches.

AIM-9 Sidewinder/AIM-9X: FY23 funding for Missile Replenishment Spares program funds repairs for CATMs and AURs. These repairs include items such as live and inert batteries, Control Actuation System (CAS) and Inert Measurement Units.

HARM - FY23 funding is critical to the procurement of High-speed Anti-Radiation Missile (HARM) spare parts in support of Raytheon Missiles Defense System Factory repair of the Control and Guidance Sections for the AGM-88B/C/F All-Up-Rounds. AGM-88 missile is critical for the Suppression of Enemy Air Defenses. Additionally, funding is used for the procurement of Telemetry Sections used in Combat Air Forces Pilot Training and New Threat Analysis.

SDB I - FY23 Spares funds are required to support SDB I Guided Test Vehicles (GTV) modernization for the Weapon System Evaluation Program (WSEP). Spares funding will procure major sub-components such as flight termination and telemetry kits, and flight test recorders, to replace obsolete parts and convert GBU-39/B's into SDB I GTVs.

Hellfire - FY23 HELLFIRE missile replenishment spares funding is used to purchase parts not covered by warranty. The parts are used to support Industrial Base missile repairs completed by Lockheed Martin.

AIM-120 Advanced Medium Range Air to Air Missile: The FY23 Missile Replenishment Spares program funds AMRAAM field unit repairs and intermediate level repairs on Captive Air Training Missiles (CATM). These repairs include such items as filter rectifiers, harness assemblies, wings and fins.

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**Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 04 / 10	<b>P-1 Line Item Number / Title:</b> 00098K / Msl Sprs/Repair Parts (Replen)	<b>Title:</b> Msl Sprs/Repair Parts (Replen)
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End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 Base (\$ M)	FY 2024 OCO (\$ M)	FY 2024 Total (\$ M)
<b>Replenishment</b>						
BA 04 - Spares and Repair Parts						
MALCBG / AGM-86 Air Launched Cruise Missile (ALCM)	-	2.369	2.508	2.577	0.000	2.577
M88AAG / AGM-88A Tactical AGM Missile (HARM)	-	7.957	5.523	6.740	0.000	6.740
M09BA1 / AIM-9 Sidewinder	-	5.673	6.046	0.000	0.000	0.000
M09HA1 / AIM-9X	-	5.937	4.657	16.437	0.000	16.437
M30MLG / LGM-30 MINUTEMAN (MM III)	-	40.337	35.953	39.085	0.000	39.085
MAMRA0 / MAMRA0 - AIM-120 Advanced Medium Range Air to Air Missile (AMRAAM)	-	0.873	0.925	0.950	0.000	0.950
PRDTA2 / Predator Hellfire Missile	-	0.313	-	0.341	0.000	0.341
SDB000 / Small Diameter Bomb	-	8.329	7.366	9.061	0.000	9.061
<b>Subtotal: Replenishment</b>	-	<b>71.788</b>	<b>62.978</b>	<b>75.191</b>	<b>0.000</b>	<b>75.191</b>
<b>Total Cost (Initial + Replenishment)</b>	-	<b>71.788</b>	<b>62.978</b>	<b>75.191</b>	<b>0.000</b>	<b>75.191</b>

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 04: Spares and Repair Parts / BSA 10: Missile Spares and Repair Parts	<b>P-1 Line Item Number / Title:</b> 000999 / Initial Spares/Repair Parts
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 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> )	-	4.045	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	4.045
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.045	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	4.045
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.045</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>4.045</b>

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

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

**Description:**

Program Description: MISSILE REPLENISHMENT SPARES (Budget Program 25). The Missile Replenishment Spares program funds all ballistic and non-ballistic missile replenishment spares. The replenishment and repair spare parts are needed to support and maintain ballistic and non-ballistic missile systems. Replenishment spares include such items as rocket motors, cables, telemetry packages, and electronic components. Procurements will include spares with long production lead items.

The FY 2024 funding request was reduced by 4.0 million to account for the availability of prior year execution balances.

**Justification:**

No FY24 Funding Requested

No Funds required through the FYDP

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F: Missile Procurement, Air Force / BA 05: Other Support / BSA 4: Special Programs	<b>P-1 Line Item Number / Title:</b> MSPPRG / Special Update Programs
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 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> )	-	30.352	36.933	419.498	-	419.498	591.059	477.498	487.242	1,218.390	-	3,260.972
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	30.352	36.933	419.498	-	419.498	591.059	477.498	487.242	1,218.390	-	3,260.972
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>30.352</b>	<b>36.933</b>	<b>419.498</b>	-	<b>419.498</b>	<b>591.059</b>	<b>477.498</b>	<b>487.242</b>	<b>1,218.390</b>	-	<b>3,260.972</b>

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

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

**Description:**  
This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

**Justification:**  
This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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