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

March 2023



**Army**

*Justification Book Volume 1 of 1*

***Missile Procurement, Army***

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Army • Budget Estimates FY 2024 • Procurement

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## Cost Statement

The following Justification Books were prepared at a cost of \$474,495.00: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 1 - Tactical & Support Vehicles, Other Procurement Army (OPA) 2 – Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 1, Budget Activity 2, Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 5C, Budget Activity 6, Budget Activity 7, and Budget Activity 8.

# MISSILE PROCUREMENT, ARMY

## Appropriation Language

For construction, procurement, production, modification, and modernization of Missiles, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$4,962,017,000.00 to remain available for obligation until September 30, 2026.

Fiscal Year (FY) 2024 Overseas Operations Costs (OOC) funding accounted for in the Base budget include:

- Combat or direct combat support expenses that discontinue once combat operations end at major contingency locations \$150,338,000.00.
- In-theater and in-CONUS expenses that remain after combat operations cease and have been previously funded in OCO \$394,569,000.00

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 DoD Component Summary  
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<u>Appropriation Summary</u>	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment'	FY 2023 Total Enactment	FY 2024 Request
Missile Procurement, Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017
<b>Total Department of the Army</b>	<b>6,438,832</b>	<b>3,848,853</b>	<b>804,000</b>	<b>4,652,853</b>	<b>4,962,017</b>
<b>Grand Total Department of Defense</b>	<b>6,438,832</b>	<b>3,848,853</b>	<b>804,000</b>	<b>4,652,853</b>	<b>4,962,017</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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<u>Appropriation Summary</u>	<u>FY 2022</u> <u>Actuals</u>	<u>FY 2023 Less</u> <u>Supplementals</u> <u>Enactment</u>	<u>FY 2023</u> <u>Supplementals</u> <u>Enactment</u>	<u>FY 2023 Total</u> <u>Enactment</u>	<u>FY 2024</u> <u>Request</u>
Missile Procurement, Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017
<b>Total Department of the Army</b>	<b>6,438,832</b>	<b>3,848,853</b>	<b>804,000</b>	<b>4,652,853</b>	<b>4,962,017</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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Appropriation: Missile Procurement, Army	FY 2022	FY 2023 Less	FY 2023	FY 2023 Total	FY 2024
	Actuals	Supplementals Enactment	Supplementals Enactment	Enactment	Request
<b><u>Budget Activity</u></b>					
02. Other missiles	5,535,121	3,333,358	804,000	4,137,358	4,428,274
03. Modification of missiles	888,072	497,670		497,670	515,469
04. Spares and repair parts	5,019	6,508		6,508	6,573
05. Support equipment and facilities	10,620	11,317		11,317	11,701
<b>Total Missile Procurement, Army</b>	<b>6,438,832</b>	<b>3,848,853</b>	<b>804,000</b>	<b>4,652,853</b>	<b>4,962,017</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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Appropriation: 2032 Missile Procurement, Army			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
<u>Budget Activity 02: Other missiles</u>									
Surface-to-Air Missile System									
1	Lower Tier Air and Missile Defense (AMD)	Sen	A		(33,473)		(4,260)		
	Less: Advance Procurement (PY)								
					33,473		4,260		
2	Lower Tier Air and Missile Defense (AMD)	Sen					9,200		
	Advance Procurement (CY)						(9,200)		
	C (FY 2023 for FY 2024) (M)								
3	M-SHORAD - Procurement		A	33	332,984	12	135,747		
				33	332,984	12	135,747		
4	MSE Missile			328	1,333,148	252	1,037,093		
				328	1,333,148	252	1,037,093		
5	INDUSTRIAL PREPAREDNESS ARMY MISSILE		A				150,000		
							150,000		
6	PRECISION STRIKE MISSILE (PRSM)		A	54	166,130	72	162,876		
				54	166,130	72	162,876		

\*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	
<u>Budget Activity 02: Other missiles</u>								
Surface-to-Air Missile System								
1	Lower Tier Air and Missile Defense (AMD)	Sen	A	U	(4,260)		(15,825)	
	Less: Advance Procurement (PY)						(-9,200)	
					4,260		6,625	
2	Lower Tier Air and Missile Defense (AMD)	Sen						
	Advance Procurement (CY)				9,200			
	C (FY 2023 for FY 2024) (M)				(9,200)			
3	M-SHORAD - Procurement		A	U	12	135,747	22	400,697
					12	135,747	22	400,697
4	MSE Missile			U	252	1,037,093	230	1,212,832
					252	1,037,093	230	1,212,832
5	INDUSTRIAL PREPAREDNESS ARMY MISSILE		A	U		150,000		
						150,000		
6	PRECISION STRIKE MISSILE (PRSM)		A	U	72	162,876	110	384,071
					72	162,876	110	384,071

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Appropriation: 2032 Missile Procurement, Army			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'
7	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	A	U		19,053		18,924		
					19,053		18,924		
8	MID-RANGE CAPABILITY (MRC)	A	U						
<b>Air-To-Surface Missile System</b>									
9	Hellfire Sys Summary	A	U	920	115,431	766	108,401		
				920	115,431	766	108,401		
10	Joint Air-to-Ground MSLS (JAGM)		U	406	147,177	629	216,030		
				406	147,177	629	216,030		
11	Long Range Precision Munition	A	U	236	44,744				
				236	44,744				
12	LONG-RANGE HYPERSONIC WEAPON	A	U				249,285		
							249,285		
<b>Anti-Tank/Assault Missile Sys</b>									
13	Javelin (AAWS-M) System Summary		U	6,105	1,387,009	565	154,652		277,000

\*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: 2032 Missile Procurement, Army

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
7	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	A	U		18,924		313,189
					18,924		313,189
8	MID-RANGE CAPABILITY (MRC)	A	U				169,519
							169,519
<b>Air-To-Surface Missile System</b>							
9	Hellfire Sys Summary	A	U	766	108,401	0	21,976
				766	108,401	0	21,976
10	Joint Air-to-Ground MSLS (JAGM)		U	629	216,030	901	303,409
				629	216,030	901	303,409
11	Long Range Precision Munition	A	U				
12	LONG-RANGE HYPERSONIC WEAPON	A	U		249,285		156,821
					249,285		156,821
<b>Anti-Tank/Assault Missile Sys</b>							
13	Javelin (AAWS-M) System Summary		U	565	431,652	541	199,509

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Appropriation: 2032 Missile Procurement, Army				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
				6,105	1,387,009	565	154,652		277,000
14	TOW 2 System Summary	A	U	889	101,912	878	103,866		
				889	101,912	878	103,866		
15	Guided MLRS Rocket (GMLRS)		U	6,804	1,130,519	5,910	785,028		527,000
				6,804	1,130,519	5,910	785,028		527,000
16	Guided MLRS Rocket (GMLRS) Advance Procurement (CY) C (FY 2024 for FY 2025) (M)								
17	MLRS Reduced Range Practice Rockets (RRPR)		U	3,648	29,574	228	4,354		
				3,648	29,574	228	4,354		
18	High Mobility Artillery Rocket System (HIMARS)		U	56	599,849	23	155,705		
				56	599,849	23	155,705		
19	ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	B	U						
20	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	A	U		94,118	0	37,937		
					94,118	0	37,937		
<b>Total Other missiles</b>				<b>19,479</b>	<b>5,535,121</b>	<b>9,335</b>	<b>3,333,358</b>		<b>804,000</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
				565	431,652	541	199,509
14	TOW 2 System Summary	A	U	878	103,866	850	120,475
				878	103,866	850	120,475
15	Guided MLRS Rocket (GMLRS)		U	5,910	1,312,028	5,016	886,367
				5,910	1,312,028	5,016	886,367
16	Guided MLRS Rocket (GMLRS) Advance Procurement (CY) C (FY 2024 for FY 2025) (M)						55,913 (55,913)
17	MLRS Reduced Range Practice Rockets (RRPR)		U	228	4,354	366	10,334
				228	4,354	366	10,334
18	High Mobility Artillery Rocket System (HIMARS)		U	23	155,705	28	179,230
				23	155,705	28	179,230
19	ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	B	U				7,307
							7,307
20	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	A	U	0	37,937		
				0	37,937		
<b>Total Other missiles</b>				<b>9,335</b>	<b>4,137,358</b>	<b>8,064</b>	<b>4,428,274</b>

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Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost
<u>Budget Activity 03: Modification of missiles</u>									
Modifications									
21	Patriot Mods	U			287,479		253,689		
					287,479		253,689		
22	Stinger Mods	U			303,757				
					303,757				
23	AVENGER MODS	U			11,227				
					11,227				
24	ITAS/TOW Mods	U			4,561		5,154		
					4,561		5,154		
25	MLRS Mods	U			273,856		218,359		
					273,856		218,359		
26	HIMARS Modifications	U			7,192		20,468		
					7,192		20,468		
<b>Total Modification of missiles</b>					<b>888,072</b>		<b>497,670</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		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
<u>Budget Activity 03: Modification of missiles</u>							
Modifications							
21	Patriot Mods	U			253,689		212,247
					253,689		212,247
22	Stinger Mods	U					36,484
							36,484
23	AVENGER MODS	U					22,274
							22,274
24	ITAS/TOW Mods	U			5,154		
					5,154		
25	MLRS Mods	U			218,359		168,198
					218,359		168,198
26	HIMARS Modifications	U			20,468		76,266
					20,468		76,266
<b>Total Modification of missiles</b>					<b>497,670</b>		<b>515,469</b>

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Appropriation: 2032 Missile Procurement, Army				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
<u>Budget Activity 04: Spares and repair parts</u>									
Spares and Repair Parts									
27	Spares And Repair Parts	U			5,019		6,508		
					5,019		6,508		
	<b>Total Spares and repair parts</b>				<b>5,019</b>		<b>6,508</b>		
<u>Budget Activity 05: Support equipment and facilities</u>									
Support Equipment & Facilities									
28	Air Defense Targets	U			10,618		11,317		
					10,618		11,317		
29	CLOSED ACCOUNT ADJUSTMENTS	U			2				
					2				
	<b>Total Support equipment and facilities</b>				<b>10,620</b>		<b>11,317</b>		
	<b>Total Missile Procurement, Army</b>				<b>19,479</b>	<b>6,438,832</b>	<b>9,335</b>	<b>3,848,853</b>	<b>804,000</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
<u>Budget Activity 04: Spares and repair parts</u>							
Spares and Repair Parts							
27	Spares And Repair Parts	U			6,508		6,573
					6,508		6,573
	<b>Total Spares and repair parts</b>				<b>6,508</b>		<b>6,573</b>
<u>Budget Activity 05: Support equipment and facilities</u>							
Support Equipment & Facilities							
28	Air Defense Targets	U			11,317		11,701
					11,317		11,701
29	CLOSED ACCOUNT ADJUSTMENTS	U					
	<b>Total Support equipment and facilities</b>				<b>11,317</b>		<b>11,701</b>
	<b>Total Missile Procurement, Army</b>				<b>9,335</b>	<b>4,652,853</b>	<b>8,064</b> <b>4,962,017</b>



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High Mobility Artillery Rocket System (HIMARS)	6200C02901	18	02	30.....	Volume 1 - 142
INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	8930C61001	7	02	10.....	Volume 1 - 45
INDUSTRIAL PREPAREDNESS ARMY MISSILE	8261C53100	5	02	10.....	Volume 1 - 33
ITAS/TOW Mods	3972C61700	24	03	10.....	Volume 1 - 220
Javelin (AAWS-M) System Summary	0648CC0007	13	02	30.....	Volume 1 - 88
Joint Air-to-Ground MSLS (JAGM)	2605C70302	10	02	20.....	Volume 1 - 68
LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	6870C88001	20	02	30.....	Volume 1 - 158
LONG-RANGE HYPERSONIC WEAPON	2611C72100	12	02	20.....	Volume 1 - 80
Long Range Precision Munition	2607C71300	11	02	20.....	Volume 1 - 79

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<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Lower Tier Air and Missile Defense (AMD) Sensor	7265C12000	1	02	10.....	Volume 1 - 1
Lower Tier Air and Missile Defense (AMD) Sensor, Advance Procurement	7265C12000	2	02	10.....	Volume 1 - 4
M-SHORAD - Procurement	8082C14300	3	02	10.....	Volume 1 - 8
MID-RANGE CAPABILITY (MRC)	9214C81200	8	02	10.....	Volume 1 - 55
MLRS Mods	6552C67500	25	03	10.....	Volume 1 - 221
MLRS Reduced Range Practice Rockets (RRPR)	6060C65405	17	02	30.....	Volume 1 - 137
MSE Missile	8260C53101	4	02	10.....	Volume 1 - 19
PRECISION STRIKE MISSILE (PRSM)	8540C29600	6	02	10.....	Volume 1 - 34
Patriot Mods	0962C50700	21	03	10.....	Volume 1 - 159
Spares And Repair Parts	1242CA0250	27	04	10.....	Volume 1 - 242
Stinger Mods	2684C20000	22	03	10.....	Volume 1 - 200
TOW 2 System Summary	2104C59300	14	02	30.....	Volume 1 - 112

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Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

**Lookup Matrix by Model**

<b>Model:</b> Various		
<b>P-3a Individual Modifications</b>		
Modification Number	Modification Title	Applies to Multiple Models
C50700	Patriot Mods	No

<b>Model:</b> FIM-92E Stinger Block I Missile		
<b>P-3a Individual Modifications</b>		
Modification Number	Modification Title	Applies to Multiple Models
C21300	STINGER BLK I UPGRADES	No

<b>Model:</b> Avenger Basic and Slew-to-Cue Systems		
<b>P-3a Individual Modifications</b>		
Modification Number	Modification Title	Applies to Multiple Models
CE8710	AVENGER MODS	No

<b>Model:</b> M270A1		
<b>P-3a Individual Modifications</b>		
Modification Number	Modification Title	Applies to Multiple Models
C67500	MLRS Mods	No

<b>Model:</b> M142 High Mobility Artillery Rocket System		
<b>P-3a Individual Modifications</b>		
Modification Number	Modification Title	Applies to Multiple Models
C67501	HIMARS Modifications	No

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 Exhibit P-1M, Procurement Programs - Modification Summary  
 (Funding for Modifications)

**Funding (\$ M)**

P-3a Modification Title	PYS	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Exhibit P-3a</b>										
Patriot Mods	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218
STINGER BLK I UPGRADES	467.375	303.757	-	36.484	-	36.484	-	-	-	-
AVENGER MODS	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-
MLRS Mods	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193
HIMARS Modifications	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163
<b>Totals (Total Obligation Authority)</b>										
<b>Total Obligation Authority</b>	<b>7,750.311</b>	<b>883.511</b>	<b>492.516</b>	<b>515.469</b>	<b>0.000</b>	<b>515.469</b>	<b>416.794</b>	<b>793.954</b>	<b>723.137</b>	<b>429.574</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System

**P-1 Line Item Number / Title:**  
 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

**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> )	-	-	-	-	-	-	4	5	5	8	-	22
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	33.473	4.260	15.825	-	15.825	546.059	639.032	638.033	1,078.103	-	2,954.785
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	9.200	-	9.200	-	-	-	-	-	9.200
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	33.473	4.260	6.625	-	6.625	546.059	639.032	638.033	1,078.103	-	2,945.585
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	9.200	-	-	-	-	-	-	-	-	9.200
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>33.473</b>	<b>13.460</b>	<b>6.625</b>	-	<b>6.625</b>	<b>546.059</b>	<b>639.032</b>	<b>638.033</b>	<b>1,078.103</b>	-	<b>2,954.785</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	136,514.750	127,806.400	127,606.600	134,762.875	-	134,308.409

**Description:**

This funding line is directly aligned to the Army Air and Missile Defense Modernization priority and this program supports the Air and Missile Defense Cross Functional Team. Lower Tier Air Missile Defense Sensor (LTAMDS) program will provide the required sensing capabilities, surveillance and fire control in the lower tier portion of the Army Integrated Air and Missile Defense (AIAMD) of the ballistic missile defense battlespace. The LTAMDS capability increases sensor/radar performance to maximize the inherent PATRIOT Advanced Capability (PAC-3) Missile Segment Enhanced (MSE) Interceptor capabilities to engage threats. This funding line includes Advance Procurement (AP) for the first low-rate initial production lot of LTAMDS.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	-	-	-	-	-	4	5	5	8
Total Obligation Authority	33.473	13.460	6.625	-	6.625	546.059	639.032	638.033	1,078.103
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	-	-	-	-	-	4	5	5	8
Total Obligation Authority	33.473	13.460	6.625	-	6.625	546.059	639.032	638.033	1,078.103

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:** 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

**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-5	C12101 / Lower Tier Air and Missile Defense Sensor				- / -	- / 33.473	- / 4.260	- / 15.825	- / -	- / 15.825
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 33.473	- / 4.260	- / 15.825	- / -	- / 15.825

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

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

**Justification:**  
 FY 2024 base Procurement dollars for \$6.625 million will support Interim Contractor Support (ICS).  
 This program supports the Air and Missile Defense Cross Functional Team (CFT).

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor	<b>Item Number / Title [DODIC]:</b> C12101 / Lower Tier Air and Missile Defense Sensor

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>				-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-	33.473	4.260	15.825	-	15.825
Less PY Advance Procurement <i>(\$ in Millions)</i>				-	-	-	9.200	-	9.200
Net Procurement (P-1) <i>(\$ in Millions)</i>				-	33.473	4.260	6.625	-	6.625
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-	-	9.200	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>				-	<b>33.473</b>	<b>13.460</b>	<b>6.625</b>	-	<b>6.625</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 Thousands)</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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
ICS (Interim Contractor Support)	-	-	-	-	-	33.473	-	-	4.260	-	-	6.625	-	-	-	-	-	6.625
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	33.473	-	-	4.260	-	-	6.625	-	-	-	-	-	6.625
Non Recurring Cost																		
Advance Procurement	-	-	-	-	-	-	-	-	-	-	-	9.200	-	-	-	-	-	9.200
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	9.200	-	-	-	-	-	9.200
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	33.473	-	-	4.260	-	-	15.825	-	-	-	-	-	15.825
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	33.473	-	-	4.260	-	-	15.825	-	-	-	-	-	15.825

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	33.473	13.460	6.625	-	6.625
<b>Total:</b>	Quantity	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>33.473</b>	<b>13.460</b>	<b>6.625</b>	-	<b>6.625</b>

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor
---	--

<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
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	9.200	-	-	-	-	-	-	-	-	9.200
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	9.200	-	-	-	-	-	-	-	-	9.200
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>9.200</b>	-	-	-	-	-	-	-	-	<b>9.200</b>

**Description:**

This funding line provides Advance Procurement (AP) for the first low-rate initial production lot of LTAMDS.



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor
---	--

<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 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*	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	C12101 / Lower Tier Air and Missile Defense Sensor			- / -	- / -	- / 9.200	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			- / -	- / -	- / 9.200	- / -	- / -	- / -

\*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:**  
 Advance procurement funding will procure parts for assembly into higher level modules to mitigate obsolescence in support of FY 2025 low-rate initial production.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Army					<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor			<b>P-5 Number / Title:</b> C12101 / Lower Tier Air and Missile Defense Sensor	
<b>First System (2024) Award Date:</b>		<b>First System (2024) Completion Date:</b>			<b>Interval Between Systems:</b> Months	
<b>Lower Tier Air and Missile Defense Sensor</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			-	-	-	-
<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>Other</b>						
Processor/Interrogator Parts for Assembly		-	-	-	9.200	-
<i>Total: Other</i>			-	-	9.200	-
<b>Total Advance Procurement/Obligation Authority</b>			-	-	<b>9.200</b>	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor			<b>P-5 Number / Title:</b> C12101 / Lower Tier Air and Missile Defense Sensor		
		<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>	<b>For FY</b>	<b>Total Cost Request (\$ M)</b>
<b>Other</b>							
Processor/Interrogator Parts for Assembly		-					-
<i>Total: Other</i>							-
<b>Total Advance Procurement/Obligation Authority</b>							-

**Description:**  
 This funding line is directly aligned to the Army Air and Missile Defense Modernization priority and this program supports the Air and Missile Defense Cross Functional Team. Advance procurement funding will procure parts for assembly into higher level modules to mitigate obsolescence in support of FY 2025 low-rate initial production.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System

**P-1 Line Item Number / Title:**  
8082C14300 / M-SHORAD - Procurement

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604117A

**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> )	87	33	12	22	-	22	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	750.587	332.984	135.747	400.697	-	400.697	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	750.587	332.984	135.747	400.697	-	400.697	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>750.587</b>	<b>332.984</b>	<b>135.747</b>	<b>400.697</b>	<b>-</b>	<b>400.697</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	8,627.437	10,090.424	11,312.250	18,213.500	-	18,213.500	-	-	-	-	Continuing	Continuing

**Description:**

This funding line is directly aligned to the Army Air and Missile Defense Modernization Priority.

M-SHORAD Inc 1 is an Air Defense weapon system consisting of multiple ground-to-air missile launchers, sensors, and a gun integrated on a Stryker A1 combat vehicle providing the Army improved capabilities for defense of maneuver formations and other tactical echelons from low altitude air attack and surveillance. Adaptive threats have developed a suite of airborne threat capabilities, supported by an integrated mix of surface-to-air and surface-to-surface shooters that threaten the ability of maneuver forces to conduct operations. Specifically, maneuver formations require the improved M-SHORAD Inc 1 air defense identification and defeat capabilities to counter Fixed Wing (FW), Rotary Wing (RW), and Unmanned Aircraft Systems (UAS) threats.

The M-SHORAD Inc 1 Capability will be provided through a multi-phase approach with a rapidly fielded M-SHORAD Inc 1 system and a future M-SHORAD Inc 1 Capability that will field the full capability. The Army has begun fielding the M-SHORAD Inc 1 solution based on a FY 2018 Directed Requirement. This system provides the capability to identify, track, and neutralize or destroy low-altitude air threats to include FW, RW, and Group 3 UAS while keeping pace and surviving with the maneuver Brigades. The M-SHORAD Inc 1 will be fielded to four M-SHORAD battalions. M-SHORAD will provide the long term capability to counter a broader range of FW, RW and UAS threats. Acquisition lead time for a system is 24 months.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	33	12	22	-	22	-	-	-	-
Total Obligation Authority	332.984	135.747	400.697	-	400.697	-	-	-	-
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	<b>33</b>	<b>12</b>	<b>22</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Total Obligation Authority	<b>332.984</b>	<b>135.747</b>	<b>400.697</b>	<b>-</b>	<b>400.697</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:** 8082C14300 / M-SHORAD - Procurement

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604117A

**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	C14301 / Maneuver - Short Range Air Defense (M-SHORAD)	P-5a, P-21	A		87 / 750.587	33 / 332.984	12 / 135.747	22 / 400.697	- / -	22 / 400.697
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>87 / 750.587</b>	<b>33 / 332.984</b>	<b>12 / 135.747</b>	<b>22 / 400.697</b>	<b>- / -</b>	<b>22 / 400.697</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:**

On 21 January 2018, the Army approved a Directed Requirement (DR) initiating the integration and procurement of an Initial M-SHORAD (now known as M-SHORAD Inc1) capability on a Stryker combat vehicle. PEO MS awarded a Not to Exceed (NTE) Federal Acquisition Regulation (FAR) based Fixed Price Undefined Contract Action (UCA) to General Dynamics Land Systems (GDLS) on Sept 30, 2020. The Army definitized the production contract in 2QFY22 for the procurement and fielding of systems, spares, engineering services and Logistics support.

FY 2024 funding in the amount of \$400.697 million procures 22 M-SHORAD Inc 1 dual Stinger Vehicle Universal Launcher (SVUL) configuration systems to complete the DR. Funding also procures 72 SVULs to retrofit single SVUL configuration systems, Initial Spares, Engineering Services, Contractor Logistics Support (CLS), and Integrated Logistics Support (ILS)

The M-SHORAD procurement funding profile was built in accordance to a directed requirement of 144 systems plus 12 ITBs + 4 ORFs + 2 Test assets for a total of 162 systems.

Funding increase from FY 2023 to FY 2024 is to restart the production line and complete system procurement. FY 2023 QTY changed from 6 to 12 captures systems redesignated from Institutional Training Base (ITB) to MSHORAD Inc 1 systems.

Updated quantities by FY are: Prior Year (91 qty.), FY 2022 (33 qty.), FY 2023 (12 qty.), FY 2024 (22 qty.), and 4 from prior contract for total of 162.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>											<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10					<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement						<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)							
<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)				87		33			12			22			-		22	
Gross/Weapon System Cost (\$ in Millions)				750.587		332.984			135.747			400.697			-		400.697	
Less PY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Net Procurement (P-1) (\$ in Millions)				750.587		332.984			135.747			400.697			-		400.697	
Plus CY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
<b>Total Obligation Authority (\$ in Millions)</b>				<b>750.587</b>		<b>332.984</b>			<b>135.747</b>			<b>400.697</b>			<b>-</b>		<b>400.697</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (\$ in Thousands)				8,627.437		10,090.424			11,312.250			18,213.500			-		18,213.500	

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
<b>Recurring Cost</b>																		
Initial M-SHORAD <sup>(†)</sup>	7,726.143	91	703.079	8,505.273	33	280.674	8,505.250	12	102.063	9,552.409	22	210.153	-	-	-	9,552.409	22	210.153
<i>Subtotal: Recurring Cost</i>	-	-	703.079	-	-	280.674	-	-	102.063	-	-	210.153	-	-	-	-	-	210.153
<b>Non Recurring Cost</b>																		
Engineering Sevices	-	-	8.779	-	-	7.109	-	-	2.498	-	-	7.554	-	-	-	-	-	7.554
<i>Subtotal: Non Recurring Cost</i>	-	-	8.779	-	-	7.109	-	-	2.498	-	-	7.554	-	-	-	-	-	7.554
<i>Subtotal: Flyaway Cost</i>	-	-	711.858	-	-	287.783	-	-	104.561	-	-	217.707	-	-	-	-	-	217.707
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
GFE Hardware	-	-	16.972	-	-	4.900	-	-	1.538	-	-	5.413	-	-	-	-	-	5.413
30mm Ammo	-	-	-	-	-	-	-	-	8.500	-	-	-	-	-	-	-	-	-
Platoon Leader Vehicle (PLT) Vehicle Integration	-	-	-	-	-	-	-	-	2.060	-	-	1.140	-	-	-	-	-	1.140
Dual SVULs	-	-	-	-	-	-	-	-	-	757.000	72	54.504	-	-	-	757.000	72	54.504
<i>Subtotal: Recurring Cost</i>	-	-	16.972	-	-	4.900	-	-	12.098	-	-	61.057	-	-	-	-	-	61.057
<b>Non Recurring Cost</b>																		
Production Line Restart	-	-	-	-	-	-	-	-	-	-	-	32.400	-	-	-	-	-	32.400

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement						<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)						
<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	32.400	-	-	-	-	-	32.400
<i>Subtotal: Hardware Cost</i>	-	-	16.972	-	-	4.900	-	-	12.098	-	-	93.457	-	-	-	-	-	93.457
<b>Package Fielding Cost</b>																		
<b>Recurring Cost</b>																		
Fielding	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.900
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.900
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.900
<b>Support - Initial Spares and Repair Parts Cost</b>																		
Initial Spares and Repair Parts	-	-	13.985	-	-	26.201	-	-	5.515	-	-	53.213	-	-	-	-	-	53.213
<i>Subtotal: Support - Initial Spares and Repair Parts Cost</i>	-	-	13.985	-	-	26.201	-	-	5.515	-	-	53.213	-	-	-	-	-	53.213
<b>Support - Logistics Cost</b>																		
Integrated Logistics Support	-	-	3.500	-	-	3.800	-	-	7.790	-	-	9.020	-	-	-	-	-	9.020
<i>Subtotal: Support - Logistics Cost</i>	-	-	3.500	-	-	3.800	-	-	7.790	-	-	9.020	-	-	-	-	-	9.020
<b>Support - Program Management Cost</b>																		
Government Management	-	-	4.272	-	-	2.200	-	-	2.983	-	-	6.400	-	-	-	-	-	6.400
<i>Subtotal: Support - Program Management Cost</i>	-	-	4.272	-	-	2.200	-	-	2.983	-	-	6.400	-	-	-	-	-	6.400
<b>Gross/Weapon System Cost</b>	8,627.437	87	750.587	10,090.424	33	332.984	11,312.250	12	135.747	18,213.500	22	400.697	-	-	-	18,213.500	22	400.697

**Remarks:**

GFE Hardware includes GFM, BII Kits, and LEAD SVML Refurb. Fielding line also includes Interim Contractor Support (ICS)

FY 2024 M-SHORAD unit cost increase due to procurement of dual SVUL systems.

Updated quantities by FY are: Prior Year (91 qty.), FY 2022 (33 qty.), FY 2023 (12 qty.), FY 2024 (22 qty.), and 4 from prior contract for total of 162.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement	<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	33	12	22	-	22
	Total Obligation Authority	332.984	135.747	400.697	-	400.697
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>33</b>	<b>12</b>	<b>22</b>	<b>-</b>	<b>22</b>
	<b>Total Obligation Authority</b>	<b>332.984</b>	<b>135.747</b>	<b>400.697</b>	<b>-</b>	<b>400.697</b>

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



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10			<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement					<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)				
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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Initial M-SHORAD <sup>(†)</sup>		2020	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Sep 2020	Jun 2022	28	8,253.571	N		
Initial M-SHORAD <sup>(†)</sup>		2021	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	May 2021	Dec 2022	59	7,729.758	N		
Initial M-SHORAD <sup>(†)</sup>		2022	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Feb 2022	Oct 2023	33	8,505.273	N		
Initial M-SHORAD <sup>(†)</sup>		2023	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Mar 2023	Jul 2024	12	8,505.250	N		
Initial M-SHORAD <sup>(†)</sup>		2024	GDLS / Sterling Heights, MI	Option / FFP	Huntsville, AL	Dec 2023	Nov 2025	22	9,552.409	N		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement										<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Initial M-SHORAD																																			
Prior Years Deliveries: 4																																			
1		2020	ARMY	28	28	0																													0
1		2021	ARMY	59	57	2	2																												0
1		2022	ARMY	33	0	33	4	4	4	4	3	3	3	3	3	2																			0
1		2023	ARMY	12	0	12	-	-	-	-	-	-	-	-	-	1	3	3	3	2															0
1		2024	ARMY	22	0	22			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	
							O C T	N O V	D E C	J A N	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 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement										<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026														Fiscal Year 2027														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Initial M-SHORAD																																			
Prior Years Deliveries: 4																																			
1		2020	ARMY	28	28	0																							0						
1		2021	ARMY	59	59	0																							0						
1		2022	ARMY	33	33	0																							0						
1		2023	ARMY	12	12	0																							0						
1		2024	ARMY	22	0	22	-	3	3	3	3	3	3	3	3	3	3	1											0						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 8082C14300 / M-SHORAD - Procurement
		<b>Item Number / Title [DODIC]:</b> C14301 / Maneuver - Short Range Air Defense (M-SHORAD)

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	GDLS - Sterling Heights, MI	36	48	72	12	6	21	27	2	2	1	3

**Remarks:**  
Updated quantities by FY are: Prior Year (91 qty.), FY 2022 (33 qty.), FY 2023 (12 qty.), FY 2024 (22 qty.), and 4 from prior contract for total of 162.

"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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604865A, 0603869A, 0604869A, 0605456A

**Line Item MDAP/MAIS Code:** 492

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> )	1,615	328	252	230	-	230	230	232	236	236	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832	961.192	973.464	985.250	985.854	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832	961.192	973.464	985.250	985.854	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>6,603.600</b>	<b>1,333.148</b>	<b>1,037.093</b>	<b>1,212.832</b>	<b>-</b>	<b>1,212.832</b>	<b>961.192</b>	<b>973.464</b>	<b>985.250</b>	<b>985.854</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	4,088.916	4,064.476	4,115.448	5,273.183	-	5,273.183	4,179.096	4,195.966	4,174.788	4,177.347	Continuing	Continuing

**Description:**

This funding line is a key enabler of the Army Modernization Priorities in support of Air and Missile Defense. FY 2024 EDI funding in the amount of \$394.569 million support additional equipment acquisition.

The PAC-3 MSE Missile line supports the procurement of certified missile round and required ancillary hardware for production and fielding, Field Surveillance Program (FSP), PAC-3 Missile Support Center (P3MSC), Integrated Logistics Support (ILS), US Unique Engineering Services (ES), and System Engineering Program Management (SEPM) activities.

The Patriot Advanced Capability 3 (PAC-3) Missile Segment Enhancement (MSE) is a high velocity hit-to-kill, surface-to-air missile capable of intercepting tactical ballistic missiles, air breathing threats, cruise missiles, and unmanned aerial systems. The PAC-3 MSE represents the next generation PAC-3 missile which provides expanded battlespace performance against evolving threats and has been fully integrated into the Patriot system (US and international partners) and the THAAD system (US only). The PAC-3 MSE is an agile, lethal interceptor providing substantial missile capabilities when combined with critical ground system improvements.

Additionally, the PAC-3 MSE enhances Insensitive Munitions (IM) through a less sensitive, increased performance lethality enhancer, and the addition of armor and a thermally initiated venting system. A single canister design provides enhanced warfighter and logistics flexibility, and facilitates improved IM performance for greater warfighter safety. The Patriot Advanced Capability-3 (PAC-3) Missile Field Surveillance Program (FSP) is required to ensure that the reliability, performance, and safety of fielded missiles in the Patriot family remain within the classified system specification for the life of the system. Initial FSP tasks confirm the quality of design, materials, tooling and test equipment procedures, and processes used in the manufacture of the Patriot Family of Missiles (PFoM). After missile deployment, results from surveillance firings, inspections, functional tests, storage and aging programs, and depot level missile maintenance processing provide the data required for the assessment of reliability, performance, and safety of the missile stockpile. The PFoM are fielded under the Certified Round Concept. Under this approved concept, the missiles are capable of being placed in extended storage as part of war reserve stocks or deployed in operational units for variable periods and then fired without intervening tests or checkouts. In accordance with the Certified Round Concept, the reliability/performance of the missile is certified by the Short and Intermediate Effectors for Layered Defense (SHIELD) Project Office to be at an acceptable level for a stated period of time or corrective action is taken.

The certification of reliability is made possible through the use of the PAC-3 Missile Support Center (P3MSC) contract to use technical support and knowledge of the testing of discrete lots of component parts, subassemblies and assemblies which the prime contractor Lockheed Martin Missiles and Fire Control (LMMFC) provides as the only source of technical knowledge, expertise, and facilities to perform FSP activities and process PFoM.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System		<b>P-1 Line Item Number / Title:</b> 8260C53101 / MSE Missile
<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> 0604865A, 0603869A, 0604869A, 0605456A

**Line Item MDAP/MAIS Code:** 492  
 Systems Engineering and Project Management support encompasses the overall planning, management, and control of the Patriot Weapon System. Includes all Engineering and Program Management disciplines and activities.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	328	252	230	-	230	230	232	236	236
	Total Obligation Authority	1,333.148	1,037.093	1,212.832	-	1,212.832	961.192	973.464	985.250	985.854
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>328</b>	<b>252</b>	<b>230</b>	<b>-</b>	<b>230</b>	<b>230</b>	<b>232</b>	<b>236</b>	<b>236</b>
	<b>Total Obligation Authority</b>	<b>1,333.148</b>	<b>1,037.093</b>	<b>1,212.832</b>	<b>-</b>	<b>1,212.832</b>	<b>961.192</b>	<b>973.464</b>	<b>985.250</b>	<b>985.854</b>



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604865A, 0603869A, 0604869A, 0605456A

**Line Item MDAP/MAIS Code:** 492

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	C53101 / MSE Missile	P-5a, P-21			1,615 / 6,603.600	328 / 1,333.148	252 / 1,037.093	230 / 1,212.832	- / -	230 / 1,212.832
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,615 / 6,603.600</b>	<b>328 / 1,333.148</b>	<b>252 / 1,037.093</b>	<b>230 / 1,212.832</b>	<b>- / -</b>	<b>230 / 1,212.832</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:**  
 FY 2024 Base Procurement Dollars in the amount of \$566.263 million supports the production of 127 Missile Segment Enhancement (MSE) missiles, Field Surveillance Program (FSP), supporting equipment, ancillary missile items, PAC-3 Missile Support Center (P3MSC), Obsolescence, System Engineering/Program Management (SE/PM), and Government/Software Engineering. FY 2024 Base Procurement Dollars in the amount of \$394.569M procures 103 missiles in support of the European Deterrence Initiative (EDI) for a total of 230 missiles.

The Army is exploring the feasibility of a three year Multi-Year Procurement (MYP). The Request for Proposal (RFP) would be planned to be released with a minimum total multi-year quantity of 692 for the three years, with an overarching contract option for 1,000 PAC-3 MSE Missiles available for supplemental US and FMS missile procurements. If a Multi Year Procurement Acquisition path is selected, FY 2024 funds in the amount of \$252M (\$126M FY 2025 and \$126M FY 2026) would be for Advance Procurement to buy Economic Ordering Quantity (EOQ) material in support of the Multi Year Procurement Acquisition.

FY 2024 funding increase is due to the FY 2024 Advance Procurement request for Economic Ordering Quantities.

Army Acquisition Objective (AAO) is 3376.

Unit prices reflect an assessed yearly Foreign Military Sales (FMS) procurement of PAC-3 missile variants. In the event FMS procurements do not occur at this level, the budgeted missile unit price may not be achievable.

The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to increase the Army procurement MSE missiles.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8260C53101 / MSE Missile	<b>Item Number / Title [DODIC]:</b> C53101 / MSE Missile
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	1,615	328	252	230	-	230
Gross/Weapon System Cost <i>(\$ in Millions)</i>	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>6,603.600</b>	<b>1,333.148</b>	<b>1,037.093</b>	<b>1,212.832</b>	<b>-</b>	<b>1,212.832</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 Thousands)</i>	4,088.916	4,064.476	4,115.448	5,273.183	-	5,273.183

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
<b>Recurring Cost</b>																		
Missile Hardware <sup>(†)</sup>	3,936.822	1,436	5,653.276	3,794.878	328	1,244.720	3,825.131	252	963.933	3,839.704	230	883.132	-	-	-	3,839.704	230	883.132
Field Surveillance	-	-	72.640	-	-	18.169	-	-	18.107	-	-	18.699	-	-	-	-	-	18.699
PAC-3 Missile Support Center (P3MSC)	-	-	40.664	-	-	10.356	-	-	10.956	-	-	11.599	-	-	-	-	-	11.599
Obsolescence	-	-	130.678	-	-	16.007	-	-	20.999	-	-	23.004	-	-	-	-	-	23.004
Launcher Mod Kit (LMK)	807.416	113	91.238	255.960	25	6.399	-	-	-	-	-	-	-	-	-	-	-	-
Heater Kits	-	-	2.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Msl Round Trainer / Empty Round Trainer	-	-	256.434	-	-	14.599	-	-	-	-	-	-	-	-	-	-	-	-
Initial Production Facilitation	-	-	88.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government/Software Engineering	-	-	60.540	-	-	9.299	-	-	9.399	-	-	9.499	-	-	-	-	-	9.499
Sys Engrg/Proj Mgmt (SE/PM) Contractor	-	-	206.318	-	-	13.599	-	-	13.699	-	-	14.899	-	-	-	-	-	14.899
Advance Procurement - Long Lead Items	-	-	-	-	-	-	-	-	-	-	-	252.000	-	-	-	-	-	252.000
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>6,602.601</b>	<b>-</b>	<b>-</b>	<b>1,333.148</b>	<b>-</b>	<b>-</b>	<b>1,037.093</b>	<b>-</b>	<b>-</b>	<b>1,212.832</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,212.832</b>
<b>Non Recurring Cost</b>																		
Organic	-	-	0.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 8260C53101 / MSE Missile						<b>Item Number / Title [DODIC]:</b> C53101 / MSE Missile					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Non Recurring Cost</i>	-	-	0.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<b>6,603.600</b>	-	-	<b>1,333.148</b>	-	-	<b>1,037.093</b>	-	-	<b>1,212.832</b>	-	-	-	-	-	<b>1,212.832</b>
<b>Gross/Weapon System Cost</b>	<b>4,088.916</b>	<b>1,615</b>	<b>6,603.600</b>	<b>4,064.476</b>	<b>328</b>	<b>1,333.148</b>	<b>4,115.448</b>	<b>252</b>	<b>1,037.093</b>	<b>5,273.183</b>	<b>230</b>	<b>1,212.832</b>	-	-	-	<b>5,273.183</b>	<b>230</b>	<b>1,212.832</b>

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	328	252	230	-	230
	Total Obligation Authority	1,333.148	1,037.093	1,212.832	-	1,212.832
<b>Total:</b>	<b>Quantity</b>	<b>328</b>	<b>252</b>	<b>230</b>	<b>-</b>	<b>230</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>1,333.148</b>	<b>1,037.093</b>	<b>1,212.832</b>	<b>-</b>	<b>1,212.832</b>

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8260C53101 / MSE Missile	<b>Item Number / Title [DODIC]:</b> C53101 / MSE 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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Missile Hardware <sup>(†)</sup>		2015	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Jul 2015	Jan 2017	108	4,425.000	Y		May 2014
Missile Hardware <sup>(†)</sup>		2016	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2015	Aug 2018	112	3,940.180	Y		May 2014
Missile Hardware <sup>(†)</sup>		2017	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2016	Oct 2019	170	4,266.530	Y		Dec 2015
Missile Hardware <sup>(†)</sup>		2018	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2017	May 2020	387	3,793.380	Y		Dec 2015
Missile Hardware <sup>(†)</sup>		2019	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2018	May 2021	274	3,733.398	Y		Jun 2017
Missile Hardware <sup>(†)</sup>		2020	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Mar 2019	Jul 2022	147	4,117.265	Y		Jun 2017
Missile Hardware <sup>(†)</sup>		2021	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2020	May 2023	146	3,813.760	Y		Jun 2019
Missile Hardware <sup>(†)</sup>		2022	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2021	May 2024	328	3,794.878	Y		Jun 2019
Missile Hardware <sup>(†)</sup>		2023	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2022	May 2025	252	3,825.131	Y		Jun 2019
Missile Hardware <sup>(†)</sup>		2024	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2023	May 2026	230	3,839.704	Y		Jan 2023

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

**Remarks:**

For FY 2024, the unit cost of \$ \$3,839,704 is comprised of the PAC-3 MSE Missile (\$3,330,885), required ancillary hardware (\$207,652), and required producibility resilience (\$301,167). Ancillary hardware includes items such as MSE conversion kits, telemetry kits, parts library, storage/aging, tooling, and initial issue spares. Producibility resilience includes production continuity efforts specific to each annual production buy to ensure the stability of production capacity.

Exhibit P-21, Production Schedule is subject to change.



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017														Fiscal Year 2018														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017														Calendar Year 2018														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Missile Hardware																																			
Prior Years Deliveries: 92																																			
1	2015	ARMY		108	0	108	-	-	-	10	2	3	3	17	12	12	14	12	12	11											0				
1	2016	ARMY		112	0	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10	94				
1	2017	ARMY		170	0	170			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170					
1	2018	ARMY		387	0	387															A	-	-	-	-	-	-	-	-	387					
1	2019	ARMY		274	0	274																								274					
1	2020	ARMY		147	0	147																								147					
1	2021	ARMY		146	0	146																								146					
1	2022	ARMY		328	0	328																								328					
1	2023	ARMY		252	0	252																								252					
1	2024	ARMY		230	0	230																								230					
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019														Fiscal Year 2020														B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019														Calendar Year 2020														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Missile Hardware																																			
Prior Years Deliveries: 92																																			
1	2015	ARMY		108	108	0																												0	
1	2016	ARMY		112	18	94	10	10	10	10	10	12	8	10	14																			0	
1	2017	ARMY		170	0	170	-	-	-	-	-	-	-	-	-	-	-	22	22	21	21	21	21	21	21								0		
1	2018	ARMY		387	0	387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	35	34	34	34					215		
1	2019	ARMY		274	0	274			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	274		
1	2020	ARMY		147	0	147							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147		
1	2021	ARMY		146	0	146																											146		
1	2022	ARMY		328	0	328																												328	
1	2023	ARMY		252	0	252																												252	
1	2024	ARMY		230	0	230																												230	
							O C T	N O V	D E C	J A N	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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021												Fiscal Year 2022												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 O C T 2 0 2 0	BAL DUE AS O F 1 O C T	Calendar Year 2021												Calendar Year 2022												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Missile Hardware																															
Prior Years Deliveries: 92																															
1	2015	ARMY	108	108	0																								0		
1	2016	ARMY	112	112	0																								0		
1	2017	ARMY	170	170	0																								0		
1	2018	ARMY	387	172	215	36	36	36	36	36	35																		0		
1	2019	ARMY	274	0	274	-	-	-	-	-	-	-	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25		0		
1	2020	ARMY	147	0	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	15	12	108
1	2021	ARMY	146	0	146			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	146	
1	2022	ARMY	328	0	328																A	-	-	-	-	-	-	-	-	328	
1	2023	ARMY	252	0	252																									252	
1	2024	ARMY	230	0	230																									230	
						O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Missile Hardware																															
Prior Years Deliveries: 92																															
1	2015	ARMY		108	108	0																									0
1	2016	ARMY		112	112	0																									0
1	2017	ARMY		170	170	0																									0
1	2018	ARMY		387	387	0																									0
1	2019	ARMY		274	274	0																									0
1	2020	ARMY		147	39	108	15	12	15	12	15	12	12	15													0				
1	2021	ARMY		146	0	146	-	-	-	-	-	-	-	11	11	11	14	14	14	14	12	12	11	11						0	
1	2022	ARMY		328	0	328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	27	27	27	27	193
1	2023	ARMY		252	0	252	A - - - - - - - - - -																				252				
1	2024	ARMY		230	0	230											A - - - - - - - - - -										230				
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

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
Missile Hardware																															
Prior Years Deliveries: 92																															
1	2015	ARMY		108	108	0																							0		
1	2016	ARMY		112	112	0																							0		
1	2017	ARMY		170	170	0																							0		
1	2018	ARMY		387	387	0																							0		
1	2019	ARMY		274	274	0																							0		
1	2020	ARMY		147	147	0																							0		
1	2021	ARMY		146	146	0																							0		
1	2022	ARMY		328	135	193	27	27	25	-	-	-	-	-	-	-	-	13	13	13	13	13	13	13	13	13	10	0			
1	2023	ARMY		252	0	252	-	-	-	-	-	-	-	20	20	20	20	20	20	20	20	20	20	20	12			0			
1	2024	ARMY		230	0	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	20	20	20	20	142	
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 10 **P-1 Line Item Number / Title:** 8260C53101 / MSE Missile **Item Number / Title [DODIC]:** C53101 / MSE Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C C #	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					
Missile Hardware																																			
Prior Years Deliveries: 92																																			
1	2015	ARMY	108	108	0																							0							
1	2016	ARMY	112	112	0																							0							
1	2017	ARMY	170	170	0																							0							
1	2018	ARMY	387	387	0																							0							
1	2019	ARMY	274	274	0																							0							
1	2020	ARMY	147	147	0																							0							
1	2021	ARMY	146	146	0																							0							
1	2022	ARMY	328	328	0																							0							
1	2023	ARMY	252	252	0																							0							
1	2024	ARMY	230	88	142	20	20	20	20	20	20	22																0							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 8260C53101 / MSE Missile
		<b>Item Number / Title [DODIC]:</b> C53101 / MSE Missile

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	LMMFC - Dallas, TX	144	550	550	0	2	29	31	0	2	29	31

**Remarks:**  
 The PAC-3 MSE production line includes deliveries for both US and Foreign Military Sales (FMS). Gaps between scheduled US missile deliveries are attributed to FMS. FMS and US combine to provide significant production line continuity and buying power efficiencies. Production Rates reflect annual production capacity.

148 of the 328 FY 2022 missiles were procured with supplemental funding received late in the fiscal year. 114 of them will not be delivered until 1QFY26 - 3QFY26 because of the associated contract award dates and production capacity limitations.

Due to fluctuation in the delivery schedule, a detailed FMS schedule cannot be provided. Schedule changes and release would be required from DSCA and would be notional.

"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).

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:**  
 8261C53100 / INDUSTRIAL PREPAREDNESS ARMY MISSILE

**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> )	-	-	150.000	-	-	-	-	-	-	-	-	150.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	150.000	-	-	-	-	-	-	-	-	150.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>150.000</b>	-	-	-	-	-	-	-	-	<b>150.000</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides funding to support the availability of domestic industrial base missile capabilities essential for the national defense. These funds utilize economic incentives to create, maintain, protect, expand, or restore domestic sources for critical components, critical technology items, and industrial resources.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	150.000	-	-	-	-	-	-	-
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	<b>150.000</b>	-	-	-	-	-	-	-

**Justification:**

There is no funding in FY 2024.

FY 2023 funds in the amount of \$150M will support PATRIOT MSE industrial base missile capabilities.

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)
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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> 0607134A
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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> )	26	54	72	110	-	110	190	220	258	242	-	1,172
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	59.929	166.130	162.876	384.071	-	384.071	476.026	501.086	603.077	603.057	-	2,956.252
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	59.929	166.130	162.876	384.071	-	384.071	476.026	501.086	603.077	603.057	-	2,956.252
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>59.929</b>	<b>166.130</b>	<b>162.876</b>	<b>384.071</b>	<b>-</b>	<b>384.071</b>	<b>476.026</b>	<b>501.086</b>	<b>603.077</b>	<b>603.057</b>	<b>-</b>	<b>2,956.252</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	2,304.962	3,076.481	2,262.167	3,491.555	-	3,491.555	2,505.400	2,277.664	2,337.508	2,491.971	-	2,522.399

**Description:**

NOTE: The P-40 quantity and unit cost for FY 2023 is inaccurate. The FY 2023 quantity is 42. The FY 2023 unit cost is \$2,731.571.

Precision Strike Missile (PrSM) funding line is directly aligned to the Army Long Range Precision Fires (LRPF) Modernization Priority.

PrSM is the Army's next generation surface-to-surface missile that replaces and improves upon Army Tactical Missile System (ATACMS) capabilities. PrSM requirements include: a Threshold max range of 400km, specified lethality against the designated target set, a Launch Pod Missile Container (LPMC) that holds two missiles, survivability in a threat environment, and compatibility with the existing launcher platforms (M270A2 Multiple Launch Rocket System (MLRS) and M142 High Mobility Artillery Rocket System (HIMARS)). PrSM will meet cluster and Insensitive Munition (IM) requirements and is being designed with an open system approach that provides the capability for future growth to counter new and emerging threats.

The mission of PrSM Increment 1 is to attack, neutralize, suppress, and destroy targets using missile delivered indirect precision fires. PrSM will provide Joint Force Commanders with a 24/7, all-weather capability to attack critical and time sensitive area and point targets including threat air defense, missile launchers, command and control centers, assembly/staging areas and high payoff targets at all depths of the multi-domain battlefield. PrSM will counter the enemy's ability to conduct combat maneuver and air defense operations.

PrSM Increment 2's mission expands the baseline missile capability to attack critical time-sensitive moving maritime or relocated land targets. On 6 July 2022, the Commanding General, Army Futures Command approved a Directed Requirement for the procurement and delivery of an early capability by FY 2027. Procurement begins in FY 2025 and is accounted for in the total quantities above.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	54	72	110	-	110	190	220	258	242
Total Obligation Authority	166.130	162.876	384.071	-	384.071	476.026	501.086	603.077	603.057
<b>Total:</b>									
<b>Secondary Distribution</b>	<b>Quantity</b>	<b>54</b>	<b>72</b>	<b>110</b>	<b>-</b>	<b>110</b>	<b>190</b>	<b>220</b>	<b>258</b>
	<b>Total Obligation Authority</b>	<b>166.130</b>	<b>162.876</b>	<b>384.071</b>	<b>-</b>	<b>384.071</b>	<b>476.026</b>	<b>501.086</b>	<b>603.077</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:** 8540C29600 / PRECISION STRIKE MISSILE (PRSM)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0607134A

**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	C29850 / PrSM Baseline	P-5a, P-21			26 / 59.929	54 / 166.130	72 / 162.876	110 / 384.071	- / -	110 / 384.071
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>26 / 59.929</b>	<b>54 / 166.130</b>	<b>72 / 162.876</b>	<b>110 / 384.071</b>	<b>- / -</b>	<b>110 / 384.071</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:**  
 FY 2024 Base procurement dollars in the amount of \$384.071 million supports the production of 110 Early Operational Capability (EOC) PrSM missiles with Launch Pod Missile Containers (LPMC). Funding increase from FY 2023 to FY 2024 supports contract option to increase production rate from 120 to 200 and additional procurement quantities.

The current Army Acquisition Objective (AAO) is 3,986 PrSM missiles. The current AAO is for Increment 1 missiles.

FY 2021-2024 procurement quantities support a PrSM EOC fielded capability under an Urgent Materiel Release (UMR) beginning in FY 2023. The UMR fielding is necessary to close the capability gap between the current capability and near-peer missile capabilities before the program transitions to Full Rate Production (FRP). On 3 FEB 2021 Army Futures Command, Commanding General signed a Directed Requirement for initial quantities of PrSM EOC, and on 4 JUN 2021, the Joint Requirements Oversight Council (JROC) validated the PrSM Capability Development Document (CDD).

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.

This program supports the Long Range Precision Fires (LRPF) Cross Functional Team (CFT).

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>					<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10			<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)				<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<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> )			26	54	72	110	-	110	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			59.929	166.130	162.876	384.071	-	384.071	
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-	
Net Procurement (P-1) ( <i>\$ in Millions</i> )			59.929	166.130	162.876	384.071	-	384.071	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			<b>59.929</b>	<b>166.130</b>	<b>162.876</b>	<b>384.071</b>	<b>-</b>	<b>384.071</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 Thousands</i> )			2,304.962	3,076.481	2,262.167	3,491.555	-	3,491.555	

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
Recurring Cost																		
Recurring Production <sup>(†)</sup>	1,912.615	26	49.728	2,496.426	54	134.807	2,731.571	42	114.726	2,691.364	110	296.050	-	-	-	2,691.364	110	296.050
Engineering Changes	-	-	3.507	-	-	6.965	-	-	1.932	-	-	3.695	-	-	-	-	-	3.695
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>53.235</b>	<b>-</b>	<b>-</b>	<b>141.772</b>	<b>-</b>	<b>-</b>	<b>116.658</b>	<b>-</b>	<b>-</b>	<b>299.745</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>299.745</b>
Non Recurring Cost																		
Non-Recurring Production	-	-	2.383	-	-	16.642	-	-	39.604	-	-	12.138	-	-	-	-	-	12.138
Rate Tooling	-	-	-	-	-	-	-	-	-	-	-	26.765	-	-	-	-	-	26.765
System Test & Evaluation	-	-	-	-	-	-	-	-	-	-	-	4.467	-	-	-	-	-	4.467
System Engineering	-	-	-	-	-	-	-	-	-	-	-	16.720	-	-	-	-	-	16.720
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>2.383</b>	<b>-</b>	<b>-</b>	<b>16.642</b>	<b>-</b>	<b>-</b>	<b>39.604</b>	<b>-</b>	<b>-</b>	<b>60.090</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60.090</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>55.618</b>	<b>-</b>	<b>-</b>	<b>158.414</b>	<b>-</b>	<b>-</b>	<b>156.262</b>	<b>-</b>	<b>-</b>	<b>359.835</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>359.835</b>
<b>Software Cost</b>																		
Non Recurring Cost																		
Software Maintenance	-	-	-	-	-	-	-	-	-	-	-	12.522	-	-	-	-	-	12.522
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12.522</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12.522</b>
<b>Subtotal: Software Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12.522</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12.522</b>
Package Fielding Cost																		



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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)						<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :									<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Non Recurring Cost																		
Fielding	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.033
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.033
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.033
Support - Common Support Equipment Cost																		
Support and Handling Equipment	-	-	0.900	-	-	1.747	-	-	1.328	-	-	3.410	-	-	-	-	-	3.410
<i>Subtotal: Support - Common Support Equipment Cost</i>	-	-	0.900	-	-	1.747	-	-	1.328	-	-	3.410	-	-	-	-	-	3.410
Support - Data Cost																		
Technical Publications	-	-	0.484	-	-	0.941	-	-	0.715	-	-	1.836	-	-	-	-	-	1.836
<i>Subtotal: Support - Data Cost</i>	-	-	0.484	-	-	0.941	-	-	0.715	-	-	1.836	-	-	-	-	-	1.836
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	0.713	-	-	0.728	-	-	0.743	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Initial Spares and Repair Parts Cost</i>	-	-	0.713	-	-	0.728	-	-	0.743	-	-	-	-	-	-	-	-	-
Support - Program Management Cost																		
Government Management	-	-	1.107	-	-	2.150	-	-	2.193	-	-	2.237	-	-	-	-	-	2.237
<i>Subtotal: Support - Program Management Cost</i>	-	-	1.107	-	-	2.150	-	-	2.193	-	-	2.237	-	-	-	-	-	2.237
Support - Training Cost																		
Services	-	-	1.107	-	-	2.150	-	-	1.635	-	-	4.198	-	-	-	-	-	4.198
<i>Subtotal: Support - Training Cost</i>	-	-	1.107	-	-	2.150	-	-	1.635	-	-	4.198	-	-	-	-	-	4.198
<b>Gross/Weapon System Cost</b>	<b>2,304.962</b>	<b>26</b>	<b>59.929</b>	<b>3,076.481</b>	<b>54</b>	<b>166.130</b>	<b>2,262.167</b>	<b>72</b>	<b>162.876</b>	<b>3,491.555</b>	<b>110</b>	<b>384.071</b>	-	-	-	<b>3,491.555</b>	<b>110</b>	<b>384.071</b>
<b>Remarks:</b> NOTE: The P-40 quantity for FY 2023 is inaccurate. The FY 2023 quantity is 42.  In November 2022, the program exercised an option on the EOC-2 contract awarding 120 rate tooling.  FY 2023 non-recurring production costs include funds required to achieve 120 rate tooling.																		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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In FY 2024, the Program Office updated the P-5, providing additional details on the Non-Recurring cost category as follows: Rate Tooling, System Test & Evaluation, System Engineering, Software Maintenance, and Fielding.

Concurrent with the FY 2024 missile award, the program plans to execute the 200 rate tooling option. Increased capacity is required to support program requirements at Milestone C.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	54	72	110	-	110
	Total Obligation Authority	166.130	162.876	384.071	-	384.071
<b>Total:</b>	<b>Quantity</b>	<b>54</b>	<b>72</b>	<b>110</b>	<b>-</b>	<b>110</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>166.130</b>	<b>162.876</b>	<b>384.071</b>	<b>-</b>	<b>384.071</b>

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Recurring Production <sup>(†)</sup>		2021	Lockheed Martin / M.&F.C. Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Sep 2021	Sep 2023	26	1,837.929	N		Feb 2021
Recurring Production <sup>(†)</sup>		2022	Lockheed Martin / M.&F.C. Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Sep 2022	Sep 2024	54	2,496.426	N		Feb 2022
Recurring Production <sup>(†)</sup>		2023	Lockheed Martin / M.&F.C. Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Sep 2023	Sep 2025	42	2,731.571	N		Jul 2022
Recurring Production <sup>(†)</sup>		2024	Lockheed Martin / M.&F.C. Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Sep 2024	Sep 2026	110	2,691.364	N		Jul 2023

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

**Remarks:**

FY 2023 MIPA supports award of EOC-3 contract as a base Indefinite Delivery, Indefinite Quantity (IDIQ) contract. FY 2024 MIPA supports EOC-4 award, which will be an option on the base effort. The proposal included options to increase rate tooling from 120-200 and 200-300.

EOC-1 (FY 2021) missile delivery date adjusted to SEP 2023 to allow completion of Solid Rocket Motor (SRM) qualification prior to delivery.



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Recurring Production																																			
1		2021	ARMY	26	0	26	-	-	-	-	-	-	-	-	-	-	-	-	4	2	2	2	2	2	2	2	2	2	2	2	0				
1		2022	ARMY	54	0	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	50			
1		2023	ARMY	42	0	42													A	-	-	-	-	-	-	-	-	-	-	-	42				
1		2024	ARMY	110	0	110																									A	110			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												B A L A N C E	
O C 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
Recurring Production																															
1		2021	ARMY	26	26	0																							0		
1		2022	ARMY	54	4	50	4	4	4	4	4	4	4	4	6	6	6												0		
1		2023	ARMY	42	0	42	-	-	-	-	-	-	-	-	-	-	2	2	2	4	4	4	4	4	4	4	4	4	0		
1		2024	ARMY	110	0	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	102	
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C C #	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					
Recurring Production																																			
1		2021	ARMY	26	26	0																							0						
1		2022	ARMY	54	54	0																							0						
1		2023	ARMY	42	42	0																							0						
1		2024	ARMY	110	8	102	8	8	8	8	10	10	10	10	10	10	10												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 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8540C29600 / PRECISION STRIKE MISSILE (PRSM)	<b>Item Number / Title [DODIC]:</b> C29850 / PrSM Baseline
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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 - M.&F.C. Sys. / Dallas, TX	40	200	200	0	8	24	32	0	8	18	26

"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 Army **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I
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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:** 473

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> )	280	-	-	24	-	24	47	56	56	54	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	104.951	19.053	18.924	313.189	-	313.189	697.307	1,002.324	1,023.636	985.973	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	31.286	-	-	-	-	-	-	-	-	-	-	31.286
Net Procurement (P-1) ( <i>\$ in Millions</i> )	73.665	19.053	18.924	313.189	-	313.189	697.307	1,002.324	1,023.636	985.973	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	31.286	-	-	-	-	-	-	-	-	-	-	31.286
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>104.951</b>	<b>19.053</b>	<b>18.924</b>	<b>313.189</b>	<b>-</b>	<b>313.189</b>	<b>697.307</b>	<b>1,002.324</b>	<b>1,023.636</b>	<b>985.973</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	374.825	-	-	13,049.542	-	13,049.542	14,836.319	17,898.643	18,279.214	18,258.759	Continuing	Continuing

**Description:**

This funding line is directly aligned to one of the Army Air and Missile Defense Modernization Priorities.

The Indirect Fire Protection Capability Increment 2 (IFPC Inc 2) will provide a ground-based weapon system designed to acquire, track, engage, and defeat Cruise Missiles (CM), Unmanned Aircraft Systems (UAS), Rocket, Artillery, and Mortar (RAM) threats. The IFPC Inc 2 system consists of a launcher and interceptor integrated with the Army Integrated Air and Missile Defense (AIAMD) open systems architecture, IAMD Battle Command System (IBCS), and the Sentinel sensor to support the CM and UAS defeat mission.

As reported to Congress in Oct 2018, the Army has rapidly fielded an Interim CMD capability with the Israeli Iron Dome Defense System - Army (IDDS-A). Concurrently, the Army has initiated efforts to integrate an enduring IFPC capability of a launcher and interceptor leveraging the AIAMD open systems architecture and IBCS, as the Fire Control component, and the US Sentinel sensor.

On 9 Feb 2019, the Army approved a Directed Requirement to initiate procurement of the Israeli IDDS-A for the Interim CMD capability. Congress approved ATR actions to align IFPC FY 2018 and 2019 Procurement to fund the Interim CMD (IDDS-A) purchase and to repurpose the FY 2019 RDTE funds in May 2019 for associated system evaluation. To support the Interim CMD (IDDS-A) requirement, the Army contracted for two Interim CMD (IDDS-A) Batteries for technical evaluation, assessment of operational utility, and safety evaluation. Additionally, the IFPC Product Office has performed logistics analysis and assessments to determine IDDS-A training requirements, fielding requirement, spares packages, maintenance policies, and required Operational and Maintenance documentation. The IFPC Product Office conducted Performance Analysis and Operational Testing of the Interim CMD (IDDS-A) capability at White Sands Missile Range in FY 2021 to prove out their readiness for deployment.

Concurrently, the Army has pursued a competitive strategy with Industry participating in an FY 2021 "Shoot Off" demonstration using Industries' proposed launcher and missile solutions integrated with the Army's IBCS and Sentinel radar. The Army awarded a Firm Fixed Price Other Transaction Authority (OTA) agreement to Dynetics, Inc. on 24 September 2021 to deliver the IFPC Inc 2 prototype solution, provide an initial capability and transition to procurement in FY 2024, and field Battalion 1 by FY 2026.

The IFPC Inc 2 Product Office will support coordination of the IFPC Direct Energy transfer of responsibility, as well as determine product requirements.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army Quantity	-	-	24	-	24	47	56	56	54

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I
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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:** 473

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	19.053	18.924	313.189	-	313.189	697.307	1,002.324	1,023.636	985.973
<b>Total:</b>	<b>Quantity</b>	-	-	<b>24</b>	-	<b>24</b>	<b>47</b>	<b>56</b>	<b>56</b>	<b>54</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>19.053</b>	<b>18.924</b>	<b>313.189</b>	-	<b>313.189</b>	<b>697.307</b>	<b>1,002.324</b>	<b>1,023.636</b>	<b>985.973</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System **P-1 Line Item Number / Title:**  
 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I

**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:** 473

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	C62002 / IFPC INC 2-I BLOCK 1 SYSTEM	P-5a, P-21			280 / 104.951	- / 19.053	- / 18.924	24 / 313.189	- / -	24 / 313.189
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>280 / 104.951</b>	<b>- / 19.053</b>	<b>- / 18.924</b>	<b>24 / 313.189</b>	<b>- / -</b>	<b>24 / 313.189</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:**  
 Funding increase from FY 2023 to FY 2024 due to the start of IFPC procurement and increase of Integrated Logistical Support (ILS) for the Interim CMD (IDDS-A) systems. FY 2024 Base procurement dollars in the amount of \$313.189 million are designated for IFPC Inc 2 Low-Rate Initial Production (LRIP), ILS for IDDS-A, and facilitization to increase launcher production capacity. FY 2024 funding includes Pacific Deterrence Initiative (PDI) funding of \$46.360 million for additional equipment acquisition.

In response to National Defense Authorization Act for 2019, the Army approved a Directed Requirement to initiate procurement of the Israeli Iron Dome Missile System for an Interim CMD capability on 9 Feb 2019. IFPC's two Interim CMD (Iron Dome Defense System - Army (IDDS-A) batteries were delivered to the Army in FY 2021 to prove out their readiness for deployment. Initial Army direction is to have one battery deployed OCONUS and the other battery stationed CONUS for rapid deployment, as needed. The Army will continue to provide interim Integrated Logistical Support for these assets.

Concurrently, the Army will integrate an IFPC capability of a launcher and interceptor leveraging the Army Integrated Air and Missile Defense (AIAMD) open systems architecture and IAMD Battle Command System (IBCS) as the Fire Control component, and US sensor (Sentinel) with initial system procurements starting in FY 2024 for fielding in FY 2026.

This program supports the Air and Missile Defense Cross Functional Team (CFT).

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I			<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<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)				280	-	-	24	-	24
Gross/Weapon System Cost (\$ in Millions)				104.951	19.053	18.924	313.189	-	313.189
Less PY Advance Procurement (\$ in Millions)				31.286	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				73.665	19.053	18.924	313.189	-	313.189
Plus CY Advance Procurement (\$ in Millions)				31.286	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>104.951</b>	<b>19.053</b>	<b>18.924</b>	<b>313.189</b>	<b>-</b>	<b>313.189</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				374.825	-	-	13,049.542	-	13,049.542

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
IFPC Interceptor Procurement <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	520.258	66	34.337	-	-	-	520.258	66	34.337
IFPC Magazine Procurement <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1,240.909	11	13.650	-	-	-	1,240.909	11	13.650
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	47.987	-	-	-	-	-	47.987
<b>Non Recurring Cost</b>																		
TAMIR Missiles and Associated Magazines (Reload - 120 EO / 120 EM)	180.763	240	43.383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TAMIR Missiles and Associated Magazines (Training - EM)	188.525	40	7.541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim CMD (IDDS-A) Battle Management Center (BMC) Server Replacement	898.000	2	1.796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim CMD (IDDS-A) - ATR realigned FY 2019 Advanced Procurement funding to Base to Procure IDDS-A	-	-	31.286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I						<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
IFPC Non-Recurring Production	-	-	-	-	-	-	-	-	-	-	-	27.000	-	-	-	-	-	27.000
<i>Subtotal: Non Recurring Cost</i>	-	-	84.006	-	-	-	-	-	-	-	-	27.000	-	-	-	-	-	27.000
<i>Subtotal: Hardware Cost</i>	-	-	84.006	-	-	-	-	-	-	-	-	74.987	-	-	-	-	-	74.987
Software Cost																		
Recurring Cost																		
IFPC Software Licensing	-	-	-	-	-	-	-	-	-	-	-	0.976	-	-	-	-	-	0.976
IFPC Contractor Software Support	-	-	-	-	-	-	-	-	-	-	-	10.856	-	-	-	-	-	10.856
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	11.832	-	-	-	-	-	11.832
<i>Subtotal: Software Cost</i>	-	-	-	-	-	-	-	-	-	-	-	11.832	-	-	-	-	-	11.832
Command and Launch Cost																		
IFPC Launchers and Training Launchers <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	5,049.167	24	121.180	-	-	-	5,049.167	24	121.180
<i>Subtotal: Command and Launch Cost</i>	-	-	-	-	-	-	-	-	-	-	-	121.180	-	-	-	-	-	121.180
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	-	-	-	-	-	-	-	-	-	5.097	-	-	-	-	-	5.097
<i>Subtotal: Support - Initial Spares and Repair Parts Cost</i>	-	-	-	-	-	-	-	-	-	-	-	5.097	-	-	-	-	-	5.097
Support - Logistics Cost																		
Integrated Logistics Support	-	-	20.945	-	-	19.053	-	-	18.924	-	-	56.436	-	-	-	-	-	56.436
<i>Subtotal: Support - Logistics Cost</i>	-	-	20.945	-	-	19.053	-	-	18.924	-	-	56.436	-	-	-	-	-	56.436
Support - Operational/Site Activation Cost																		
Contractor Technical Support	-	-	-	-	-	-	-	-	-	-	-	3.539	-	-	-	-	-	3.539
<i>Subtotal: Support - Operational/Site Activation Cost</i>	-	-	-	-	-	-	-	-	-	-	-	3.539	-	-	-	-	-	3.539
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	7.666	-	-	-	-	-	7.666

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Contractor Management	-	-	-	-	-	-	-	-	-	-	-	15.963	-	-	-	-	-	15.963
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	-	-	-	23.629	-	-	-	-	-	23.629
Support - Support Equipment Cost																		
Maintenance Equipment	-	-	-	-	-	-	-	-	-	-	-	8.679	-	-	-	-	-	8.679
<i>Subtotal: Support - Support Equipment Cost</i>	-	-	-	-	-	-	-	-	-	-	-	8.679	-	-	-	-	-	8.679
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	-	-	-	7.810	-	-	-	-	-	7.810
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.810	-	-	-	-	-	7.810
<b>Gross/Weapon System Cost</b>	<b>374.825</b>	<b>280</b>	<b>104.951</b>	-	-	<b>19.053</b>	-	-	<b>18.924</b>	<b>13,049.542</b>	<b>24</b>	<b>313.189</b>	-	-	-	<b>13,049.542</b>	<b>24</b>	<b>313.189</b>

- Remarks:**
- Prior year quantities and unit costs are associated with Tamir interceptors, while quantities and unit costs beginning in FY 2024 are associated with IFPC Inc 2 launchers.
  - Training cost category includes procurement of Training Aides, Devices, Simulators & Simulations (TADSS).
  - Integrated Logistic Support costs are for Interim CMD (IDDS-A).
  - Increase of \$27 million in FY 2024 is intended for facilitation to increase launcher production capacity.
  - The IFPC Launcher and Training Launchers cost element is only the hardware manufacturing cost.
  - FY 2024 Launcher quantity of 24 includes 20 PDI and 4 LRIP.
  - FY 2024 Interceptor quantity of 66 is for IFPC LRIP Launchers (does not include interceptor assets for PDI Launchers). PDI funding is for Launchers only.
  - Government Management includes Government Matrix and SETA support.
  - Contractor Management includes prime contractor personnel support.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	24	-	24
	Total Obligation Authority	19.053	18.924	313.189	-	313.189
<b>Total: Secondary Distribution</b>	Quantity	-	-	<b>24</b>	-	<b>24</b>
	Total Obligation Authority	<b>19.053</b>	<b>18.924</b>	<b>313.189</b>	-	<b>313.189</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10			<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I				<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
IFPC Interceptor Procurement <sup>(†)</sup>		2024	Raytheon / Tuscon, Arizona	SS / FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	66	520.258	N		
IFPC Magazine Procurement <sup>(†)</sup>		2024	Abrams / Tucson, Arizona	SS / FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	11	1,240.909	N		
IFPC Launchers and Training Launchers <sup>(†)</sup>		2024	Chase Facility / Huntsville, Alabama	SS / FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	24	5,049.167	N		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I										<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
IFPC Interceptor Procurement																																	
1	2024	ARMY		66	0	66																								66			
IFPC Magazine Procurement																																	
2	2024	ARMY		11	0	11																								11			
IFPC Launchers and Training Launchers																																	
3	2024	ARMY		24	0	24																								24			



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I										<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												B A L A N C E	
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
IFPC Interceptor Procurement																															
	1	2024	ARMY	66	0	66	-	-	22	22	22																		0		
IFPC Magazine Procurement																															
	2	2024	ARMY	11	0	11	-	-	4	4	3																		0		
IFPC Launchers and Training Launchers																															
	3	2024	ARMY	24	0	24	-	-	4	4	4	4	4	4															0		

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I
<b>Item Number / Title [DODIC]:</b> C62002 / IFPC INC 2-I BLOCK 1 SYSTEM		

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, Arizona	264	264	264	6	12	18	30	0	0	0	0
2	Abrams - Tucson, Arizona	12	60	84	6	12	18	30	0	0	0	0
3	Chase Facility - Huntsville, Alabama	12	60	84	6	12	18	30	0	0	0	0

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

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

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System

**P-1 Line Item Number / Title:**  
9214C81200 / MID-RANGE CAPABILITY (MRC)

**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> )	-	-	-	58	-	58	32	-	59	93	-	242
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674	-	963.155
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674	-	963.155
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	-	<b>169.519</b>	-	<b>169.519</b>	<b>96.296</b>	<b>56.510</b>	<b>265.156</b>	<b>375.674</b>	-	<b>963.155</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	2,922.741	-	2,922.741	3,009.250	-	4,494.169	4,039.505	-	3,979.979

**Description:**

BLI 9214C81200 / MID-RANGE CAPABILITY (MRC) is a new start in FY 2024.

SSN C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) is a new start within the MID-RANGE CAPABILITY (MRC) program in FY 2024

BLI 9214C81200 / Tomahawk (PEO MS) in FY 2024 funds Tomahawk munitions / Tomahawk Mission Planning Center and supports the transition from RDTE to Procurement from PE 0604135A to BLI 9214C81200 / Tomahawk (PEO MS). Prior year total of 90 missiles (FY 2022: 40 ea, FY 2023: 50 ea) procured under PE 0604135A to support Battery prototyping.

The Block V is a modernized TACTOM missile that includes Navigation Communications (NAVCOMMs) upgrade and Advanced Communication Package (ACP). These TACTOM upgrades consist of the Integrated Single Box Solution (ISBS) radio, two new antennas and associated cabling, a new mid-body cover, changes to the aft-body structure and aft-body cover, and installation of the ACP.

RGM/UGM-109E Tactical Tomahawk provides an attack capability against fixed and mobile targets.

The Block V Tactical Tomahawk (TACTOM RGM/UGM-109E) preserves Tomahawk's long-range precision-strike capability while significantly increasing responsiveness and flexibility. TACTOM is capable of in-flight retargeting, the ability to loiter over the battlefield, in-flight missile health and status monitoring, and battle damage indication. Other Tomahawk Weapon System functionality includes rapid mission planning and execution via Global Positioning System (GPS) onboard the launch platform and improved anti-jam GPS.

Characteristics and dimensions (approximate):

Weight (with booster and capsule) (UGM-109): 4,300 pounds

Weight (with booster and canister) (RGM-109): 4,300 pounds Length (with booster): 20.5 feet

Wingspan: 8.6 feet

Cruise Speed: High Subsonic

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	58	-	58	32	-	59	93

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System	<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)
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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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674
<b>Total:</b>	<b>Quantity</b>	-	-	<b>58</b>	-	<b>58</b>	<b>32</b>	-	<b>59</b>	<b>93</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	-	<b>169.519</b>	-	<b>169.519</b>	<b>96.296</b>	<b>56.510</b>	<b>265.156</b>	<b>375.674</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air Missile System  
**P-1 Line Item Number / Title:** 9214C81200 / MID-RANGE CAPABILITY (MRC)

**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	C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	P-5a, P-21			- / -	- / -	- / -	58 / 169.519	- / -	58 / 169.519
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / -	- / -	<b>58 / 169.519</b>	- / -	<b>58 / 169.519</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:**  
 FY 2024 funding supports the procurement of 58 new BLOCK V TACTOM. These quantities with Navy (PMC 2101) and USMC (PMC 2101) quantities, total the MSR of 90 per year through the FYDP. This funding line is directly aligned to the Army Long-Range Precision Fires Modernization Priority, the requirements of the MRC Abbreviated-Capabilities Development Document, and associated PDMs. The Army intends to convert any price advantage created through Navy contract negotiations, other service procurement, and/or foreign military sales to support procurement of additional MRC munitions.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)	<b>Item Number / Title [DODIC]:</b> C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<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> )				-	-	-	58	-	58
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-	-	-	169.519	-	169.519
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-	-	-	169.519	-	169.519
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-	-	-	<b>169.519</b>	-	<b>169.519</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 Thousands</i> )				-	-	-	2,922.741	-	2,922.741

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Tactical Tomahawk <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	2,922.741	58	169.519	-	-	-	2,922.741	58	169.519
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	169.519	-	-	-	-	-	169.519
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	169.519	-	-	-	-	-	169.519
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	2,922.741	58	169.519	-	-	-	2,922.741	58	169.519

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	58	-	58
	Total Obligation Authority	-	-	169.519	-	169.519
<b>Total:</b>	<b>Quantity</b>	-	-	58	-	58
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	-	169.519	-	169.519

<sup>(t)</sup> indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10			<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)				<b>Item Number / Title [DODIC]:</b> C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)				

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Tactical Tomahawk <sup>(†)</sup>		2024	Ratheon Missile System / Tucson, AZ	SS / FPIF	NAVAIR	Dec 2023	Dec 2025	58	2,922.741	Y		Dec 2020

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)										<b>Item Number / Title [DODIC]:</b> C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)									

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

Tactical Tomahawk																																
1	2024	ARMY		58	0	58				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58




**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)										<b>Item Number / Title [DODIC]:</b> C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026										Fiscal Year 2027										BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026										Calendar Year 2027										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y

Tactical Tomahawk																														BALANCE		
1	2024	ARMY	58	0	58	-	-	5	10	10	10	10	10	3																		

							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
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**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 9214C81200 / MID-RANGE CAPABILITY (MRC)
		<b>Item Number / Title [DODIC]:</b> C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)

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	Ratheon Missile System - Tucson, AZ	90	350	600	0	0	24	24	0	0	0	0

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

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

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System **P-1 Line Item Number / Title:** 1338C70000 / Hellfire Sys Summary

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203802A, 0210109A

**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> )	84,989	920	766	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,383.389	115.431	108.401	21.976	-	21.976	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,383.389	115.431	108.401	21.976	-	21.976	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5,383.389</b>	<b>115.431</b>	<b>108.401</b>	<b>21.976</b>	<b>-</b>	<b>21.976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	63.342	125.468	141.516	-	-	-	-	-	-	-	Continuing	Continuing

**Description:**

The HELLFIRE II and Longbow family of air-to-ground missiles (all variants) provide attack helicopters and unmanned aircraft systems (UAS) with point-target precision strike capability to defeat heavy, advanced armor, individual hard point and non-traditional targets. HELLFIRE II Missiles use a semi-active laser terminal guidance and are the primary armaments of the AH-64 Apache, Army UAS and Special Operations aircraft. The HELLFIRE II includes Electro-Optical Countermeasure capability, warhead improvements and an updated electronic fuze. The AGM-114R HELLFIRE II family of missiles replaces all other HELLFIRE II missile configurations (K/N/M/P) except HELLFIRE II Longbow. HELLFIRE II procurement funding supports the entire HELLFIRE II and HELLFIRE II Longbow systems to include resolution of obsolescence, end-of-life buys, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, facilitization, production ramp-up activities and production issues. This missile is compatible on all current force UAS and rotary wing platforms.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	920	766	-	-	-	-	-	-	-
	Total Obligation Authority	115.431	108.401	21.976	-	21.976	-	-	-	-
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	<b>920</b>	<b>766</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>115.431</b>	<b>108.401</b>	<b>21.976</b>	<b>-</b>	<b>21.976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System **P-1 Line Item Number / Title:** 1338C70000 / Hellfire Sys Summary

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203802A, 0210109A

**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	C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)	P-5a			84,989 / 5,383.389	920 / 115.431	766 / 108.401	- / 21.976	- / -	- / 21.976
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>84,989 / 5,383.389</b>	<b>920 / 115.431</b>	<b>766 / 108.401</b>	<b>- / 21.976</b>	<b>- / -</b>	<b>- / 21.976</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:**

FY 2024 base funding of \$21.976M is required to support Engineering Services, Acceptance Testing, Management and fielding of prior year(s) production of HELLFIRE missiles.

Funding decrease from FY 2023 to FY 2024 is due to the completion of the new procurement of HELLFIRE missiles.

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

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20		<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary
		<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<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)			84,989	920	766	-	-	-
Gross/Weapon System Cost (\$ in Millions)			5,383.389	115.431	108.401	21.976	-	21.976
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			5,383.389	115.431	108.401	21.976	-	21.976
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>5,383.389</b>	<b>115.431</b>	<b>108.401</b>	<b>21.976</b>	<b>-</b>	<b>21.976</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			63.342	125.468	141.516	-	-	-

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
All-up Rounds <sup>(†)</sup>	49.157	85,143	4,185.393	88.705	920	81.609	103.949	766	79.625	-	-	-	-	-	-	-	-	-
Engineering Services	-	-	545.511	-	-	21.064	-	-	2.657	-	-	2.253	-	-	-	-	-	2.253
Acceptance Testing	-	-	92.334	-	-	1.528	-	-	1.558	-	-	1.357	-	-	-	-	-	1.357
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>4,823.238</i>	<i>-</i>	<i>-</i>	<i>104.201</i>	<i>-</i>	<i>-</i>	<i>83.840</i>	<i>-</i>	<i>-</i>	<i>3.610</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>3.610</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	<i>4,823.238</i>	<i>-</i>	<i>-</i>	<i>104.201</i>	<i>-</i>	<i>-</i>	<i>83.840</i>	<i>-</i>	<i>-</i>	<i>3.610</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>3.610</i>
Support - Fielding Cost																		
Fielding	-	-	55.609	-	-	0.319	-	-	0.345	-	-	0.451	-	-	-	-	-	0.451
<i>Subtotal: Support - Fielding Cost</i>	<i>-</i>	<i>-</i>	<i>55.609</i>	<i>-</i>	<i>-</i>	<i>0.319</i>	<i>-</i>	<i>-</i>	<i>0.345</i>	<i>-</i>	<i>-</i>	<i>0.451</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.451</i>
Support - Production Engineering Cost																		
Production Engineering	-	-	269.154	-	-	3.445	-	-	10.798	-	-	10.102	-	-	-	-	-	10.102
<i>Subtotal: Support - Production Engineering Cost</i>	<i>-</i>	<i>-</i>	<i>269.154</i>	<i>-</i>	<i>-</i>	<i>3.445</i>	<i>-</i>	<i>-</i>	<i>10.798</i>	<i>-</i>	<i>-</i>	<i>10.102</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>10.102</i>
Support - Program Management Cost																		
Government Management	-	-	235.407	-	-	7.466	-	-	13.418	-	-	7.813	-	-	-	-	-	7.813
<i>Subtotal: Support - Program Management Cost</i>	<i>-</i>	<i>-</i>	<i>235.407</i>	<i>-</i>	<i>-</i>	<i>7.466</i>	<i>-</i>	<i>-</i>	<i>13.418</i>	<i>-</i>	<i>-</i>	<i>7.813</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>7.813</i>
<b>Gross/Weapon System Cost</b>	<b>63.342</b>	<b>84,989</b>	<b>5,383.389</b>	<b>125.468</b>	<b>920</b>	<b>115.431</b>	<b>141.516</b>	<b>766</b>	<b>108.401</b>	<b>-</b>	<b>-</b>	<b>21.976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21.976</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary	<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	920	766	-	-	-
	Total Obligation Authority	115.431	108.401	21.976	-	21.976
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>920</b>	<b>766</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>115.431</b>	<b>108.401</b>	<b>21.976</b>	<b>-</b>	<b>21.976</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20			<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary				<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)					

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All-up Rounds	✓	2019	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Apr 2019	Oct 2021	2,034	78.228	Y		Dec 2016
All-up Rounds		2020	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2021	Oct 2022	5,112	71.444	Y		Dec 2016
All-up Rounds		2021	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2021	Oct 2023	3,518	76.461	Y		Dec 2016
All-up Rounds		2022	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2023	Dec 2024	920	88.705	Y		Sep 2020
All-up Rounds		2023	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2023	Dec 2025	766	103.949	Y		Sep 2020

**Remarks:**  
Fixed Price Incentive Fee (FPIF)

Exhibit P-5: While the Laser HELLFIRE overall Program Management Administration (PMA) and Production Engineering Support (PES) costs maintain a consistent level of effort each year, these costs are allocated to all services on a pro-rata share of quantities procured. This can result in a year-to-year fluctuation of the Army's share.

Based on contract structure, all customers pay the same Unit Cost for the same configuration.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System

**P-1 Line Item Number / Title:**  
2605C70302 / Joint Air-to-Ground MSLS (JAGM)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605450A

**Line Item MDAP/MAIS Code:** 355

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> )	3,336	406	629	901	-	901	318	608	535	574	13,609	20,916
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	964.570	147.177	216.030	303.409	-	303.409	162.490	191.751	175.659	181.500	5,021.811	7,364.397
Less PY Advance Procurement ( <i>\$ in Millions</i> )	64.456	-	-	-	-	-	-	-	-	-	-	64.456
Net Procurement (P-1) ( <i>\$ in Millions</i> )	900.114	147.177	216.030	303.409	-	303.409	162.490	191.751	175.659	181.500	5,021.811	7,299.941
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	64.456	-	-	-	-	-	-	-	-	-	-	64.456
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>964.570</b>	<b>147.177</b>	<b>216.030</b>	<b>303.409</b>	<b>-</b>	<b>303.409</b>	<b>162.490</b>	<b>191.751</b>	<b>175.659</b>	<b>181.500</b>	<b>5,021.811</b>	<b>7,364.397</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	289.140	362.505	343.450	336.747	-	336.747	510.975	315.380	328.335	316.202	369.007	352.094

**Description:**

The JAGM program is an Army-led, Acquisition Category (ACAT) 1C Major Defense Acquisition Program (MDAP) with joint interest with the Navy, Marine Corps, and Air Force. JAGM is the next generation, multi-mode, air-to-ground munition replacing legacy HELLFIRE (HF) and HF Longbow munitions. JAGM will be used for destruction of high-value land and maritime targets, moving or stationary, and is capable of being fired from any platform currently firing HF from a US Army-issued M299 launcher. JAGM utilizes a HF back-end (propulsion, warhead and control system) with a Millimeter Wave (MMW) and Semi-Active Laser (SAL), multi-mode guidance section. The multi-mode capability provides fire-and-forget and precision-point targeting as well as unique, blended modes of each, for improved capability over legacy munitions.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	406	629	901	-	901	318	608	535	574
Total Obligation Authority	147.177	216.030	303.409	-	303.409	162.490	191.751	175.659	181.500
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	<b>406</b>	<b>629</b>	<b>901</b>	<b>-</b>	<b>901</b>	<b>318</b>	<b>608</b>	<b>535</b>	<b>574</b>
Total Obligation Authority	<b>147.177</b>	<b>216.030</b>	<b>303.409</b>	<b>-</b>	<b>303.409</b>	<b>162.490</b>	<b>191.751</b>	<b>175.659</b>	<b>181.500</b>



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System **P-1 Line Item Number / Title:** 2605C70302 / Joint Air-to-Ground MSLS (JAGM)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605450A

**Line Item MDAP/MAIS Code:** 355

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	C70302 / Joint Air-to-Ground MSLS (JAGM)	P-5a, P-21			3,336 / 964.570	406 / 147.177	629 / 216.030	901 / 303.409	- / -	901 / 303.409
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>3,336 / 964.570</b>	<b>406 / 147.177</b>	<b>629 / 216.030</b>	<b>901 / 303.409</b>	<b>- / -</b>	<b>901 / 303.409</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 P-40 quantity of 901 in FY 2024 is incorrect and the correct quantity of 993 is reflected in the P-5 and P-21 forms. Total FY 2024 procurement dollars in the amount of \$303.409 million support the procurement of 993 missiles. FY 2024 base procurement dollars in the amount of \$157.591 million support the procurement of 408 missiles, Project Management Cost, and Engineering Services funding. FY 2024 Overseas Operations Cost (OOC) dollars in the amount of \$145.818 support the procurement of 585 missiles.

Funding increase from FY 2023 to FY 2024 is due to replenishment of OOC HELLFIRE expenditures with JAGM procurement.

The Army intends to convert any price advantage created through contract negotiations, other service procurement, and Foreign Military Sales (FMS) to increase procurement of JAGM and address safety, reliability, affordability, producibility and obsolescence.

The Air-to-Ground Missile Systems Product Office is the procurement agent for all services.

The Army Acquisition Objective is 20,303.

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

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)	<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<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)				3,336	406	629	901	-	901
Gross/Weapon System Cost (\$ in Millions)				964.570	147.177	216.030	303.409	-	303.409
Less PY Advance Procurement (\$ in Millions)				64.456	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				900.114	147.177	216.030	303.409	-	303.409
Plus CY Advance Procurement (\$ in Millions)				64.456	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>964.570</b>	<b>147.177</b>	<b>216.030</b>	<b>303.409</b>	-	<b>303.409</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				289.140	362.505	343.450	336.747	-	336.747

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
All Up Rounds (AUR) <sup>(†)</sup>	207.083	3,503	725.411	260.993	406	105.963	258.111	629	162.352	249.431	993	247.685	-	-	-	249.431	993	247.685
Engineering Services	-	-	86.318	-	-	3.837	-	-	11.680	-	-	12.960	-	-	-	-	-	12.960
Acceptance Testing	-	-	5.106	-	-	2.269	-	-	2.671	-	-	2.724	-	-	-	-	-	2.724
Subtotal: Recurring Cost	-	-	816.835	-	-	112.069	-	-	176.703	-	-	263.369	-	-	-	-	-	263.369
Subtotal: Flyaway Cost	-	-	816.835	-	-	112.069	-	-	176.703	-	-	263.369	-	-	-	-	-	263.369
Support - Fielding Cost																		
Fielding	-	-	2.698	-	-	0.032	-	-	0.051	-	-	0.080	-	-	-	-	-	0.080
Subtotal: Support - Fielding Cost	-	-	2.698	-	-	0.032	-	-	0.051	-	-	0.080	-	-	-	-	-	0.080
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	3.147	-	-	0.551	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Initial Spares and Repair Parts Cost	-	-	3.147	-	-	0.551	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	64.985	-	-	14.789	-	-	18.076	-	-	19.931	-	-	-	-	-	19.931
Subtotal: Support - Production Engineering Cost	-	-	64.985	-	-	14.789	-	-	18.076	-	-	19.931	-	-	-	-	-	19.931
Support - Program Management Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)	<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	48.577	-	-	15.559	-	-	15.101	-	-	16.771	-	-	-	-	-	16.771
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>48.577</b>	-	-	<b>15.559</b>	-	-	<b>15.101</b>	-	-	<b>16.771</b>	-	-	-	-	-	<b>16.771</b>
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	28.328	-	-	2.797	-	-	2.804	-	-	2.799	-	-	-	-	-	2.799
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	<b>28.328</b>	-	-	<b>2.797</b>	-	-	<b>2.804</b>	-	-	<b>2.799</b>	-	-	-	-	-	<b>2.799</b>
Support - Training Cost																		
Equipment	-	-	-	-	-	1.380	-	-	3.295	-	-	0.459	-	-	-	-	-	0.459
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	<b>1.380</b>	-	-	<b>3.295</b>	-	-	<b>0.459</b>	-	-	-	-	-	<b>0.459</b>
<b>Gross/Weapon System Cost</b>	<b>289.140</b>	<b>3,336</b>	<b>964.570</b>	<b>362.505</b>	<b>406</b>	<b>147.177</b>	<b>343.450</b>	<b>629</b>	<b>216.030</b>	<b>336.747</b>	<b>901</b>	<b>303.409</b>	-	-	-	<b>336.747</b>	<b>901</b>	<b>303.409</b>

**Remarks:**

The JAGM AUR backend unit cost is interdependent of the HELLFIRE production. Loss of HELLFIRE production in FY 2024 increases the unit cost of the JAGM AUR backend.

All Up Round unit cost fluctuate from year to year due to changes in total production quantity across all customers including HELLFIRE. Unit Cost estimates were updated for actual negotiated pricing versus the estimated unit costs that were shown in the PB23 submission.

Some Test and Evaluation Support and Government Management costs were restructured on the P-5 to better align with how the project office captures costs.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	406	629	901	-	901
	Total Obligation Authority	147.177	216.030	303.409	-	303.409
<b>Total:</b>	<b>Quantity</b>	<b>406</b>	<b>629</b>	<b>901</b>	-	<b>901</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>147.177</b>	<b>216.030</b>	<b>303.409</b>	-	<b>303.409</b>

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20			<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)				<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)				

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All Up Rounds (AUR) <sup>(†)</sup>		2019	Lockheed Martin / Orlando	C / FPIF	Redstone Arsenal, AL	Nov 2019	Mar 2022	721	223.569	Y		Aug 2018
All Up Rounds (AUR) <sup>(†)</sup>		2020	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2021	May 2023	494	212.043	Y		Jun 2019
All Up Rounds (AUR) <sup>(†)</sup>		2021	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2021	Mar 2024	537	209.320	Y		Jun 2019
All Up Rounds (AUR) <sup>(†)</sup>		2022	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2023	Dec 2024	406	260.993	Y		Sep 2020
All Up Rounds (AUR) <sup>(†)</sup>		2023	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2023	Dec 2025	629	258.111	Y		Sep 2020
All Up Rounds (AUR) <sup>(†)</sup>		2024	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2024	Dec 2026	993	249.431	Y		Sep 2020

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

**Remarks:**  
 C / FPIF: Competitive / Fixed Price Incentive Fee  
 SS / FPIF: Sole Source / Fixed Price Incentive Fee  
 The JAGM AUR backend unit cost is interdependent with the HELLFIRE production. Loss of HELLFIRE production in FY 2024 increases the unit cost of the JAGM AUR backend.

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)										<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)				

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020															Fiscal Year 2021															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020															Calendar Year 2021															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
All Up Rounds (AUR)																																					
Prior Years Deliveries: 1751																																					
1	2019	ARMY		721	0	721		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	721				
1	2019	NAVY <sup>(†)</sup>		75	0	75		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75					
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>796</b>	<b>0</b>	<b>796</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>796</b>					
1	2020	AF <sup>(†)</sup>		43	0	43																										43					
1	2020	ARMY		494	0	494																										494					
1	2020	FMS <sup>(†)</sup>		1	0	1																										1					
1	2020	NAVY <sup>(†)</sup>		320	0	320																										320					
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>858</b>	<b>0</b>	<b>858</b>																										<b>858</b>					
1	2021	AF <sup>(†)</sup>		2	0	2																										2					
1	2021	ARMY		537	0	537																										537					
1	2021	NAVY <sup>(†)</sup>		161	0	161																										161					
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>700</b>	<b>0</b>	<b>700</b>																										<b>700</b>					
1	2022	ARMY		406	0	406																										406					
1	2022	NAVY <sup>(†)</sup>		164	0	164																										164					
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>570</b>	<b>0</b>	<b>570</b>																										<b>570</b>					
1	2023	ARMY		629	0	629																										629					
1	2023	NAVY <sup>(†)</sup>		293	0	293																										293					
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>922</b>	<b>0</b>	<b>922</b>																										<b>922</b>					
1	2024	ARMY		993	0	993																										993					
1	2024	NAVY <sup>(†)</sup>		195	0	195																										195					
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>1,188</b>	<b>0</b>	<b>1,188</b>																										<b>1,188</b>					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)										<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)				

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			
All Up Rounds (AUR)																																	
Prior Years Deliveries: 1751																																	
1	2019	ARMY	721	0	721	-	-	-	-	-	43	44	44	44	43	44	69	69	68	94	94	65							0				
1	2019	NAVY <sup>(‡)</sup>	75	0	75	-	-	-	-	-	7	6	6	6	7	6	6	6	7	6	6								0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>796</b>	<b>0</b>	<b>796</b>	-	-	-	-	-	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>100</b>	<b>100</b>	<b>71</b>	-	-	-	-	-	<b>0</b>					
1	2020	AF <sup>(‡)</sup>	43	0	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	0					
1	2020	ARMY	494	0	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	66	68	68	200				
1	2020	FMS <sup>(‡)</sup>	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
1	2020	NAVY <sup>(‡)</sup>	320	0	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	34	32	157				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>858</b>	<b>0</b>	<b>858</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>358</b>				
1	2021	AF <sup>(‡)</sup>	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
1	2021	ARMY	537	0	537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	537					
1	2021	NAVY <sup>(‡)</sup>	161	0	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161					
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>700</b>	<b>0</b>	<b>700</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>700</b>					
1	2022	ARMY	406	0	406																							406					
1	2022	NAVY <sup>(‡)</sup>	164	0	164																							164					
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>570</b>	<b>0</b>	<b>570</b>																							<b>570</b>					
1	2023	ARMY	629	0	629																							629					
1	2023	NAVY <sup>(‡)</sup>	293	0	293																							293					
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>922</b>	<b>0</b>	<b>922</b>																							<b>922</b>					
1	2024	ARMY	993	0	993																							993					
1	2024	NAVY <sup>(‡)</sup>	195	0	195																							195					
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,188</b>	<b>0</b>	<b>1,188</b>																							<b>1,188</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 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)										<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)									

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					
All Up Rounds (AUR)																																			
Prior Years Deliveries: 1751																																			
1	2019	ARMY		721	721	0																													0
1	2019	NAVY <sup>(‡)</sup>		75	75	0																													0
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>796</b>	<b>796</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2020	AF <sup>(‡)</sup>		43	43	0																													0
1	2020	ARMY		494	294	200	68	68	64																										0
1	2020	FMS <sup>(‡)</sup>		1	0	1																													0
1	2020	NAVY <sup>(‡)</sup>		320	163	157	32	32	32	32	29																								0
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>858</b>	<b>500</b>	<b>358</b>	<b>100</b>	<b>100</b>	<b>96</b>	<b>32</b>	<b>29</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2021	AF <sup>(‡)</sup>		2	0	2						2																							0
1	2021	ARMY		537	0	537						47	59	59	109	109	109	45																0	
1	2021	NAVY <sup>(‡)</sup>		161	0	161												61	50	50														0	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>700</b>	<b>0</b>	<b>700</b>	-	-	-	-	-	<b>49</b>	<b>59</b>	<b>59</b>	<b>109</b>	<b>109</b>	<b>109</b>	<b>106</b>	<b>50</b>	<b>50</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2022	ARMY		406	0	406															46	46	46	46	46	46	46	46	46	46	38			0	
1	2022	NAVY <sup>(‡)</sup>		164	0	164																									12	46		106	
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>570</b>	<b>0</b>	<b>570</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>50</b>	<b>46</b>		<b>106</b>		
1	2023	ARMY		629	0	629																												629	
1	2023	NAVY <sup>(‡)</sup>		293	0	293																												293	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>922</b>	<b>0</b>	<b>922</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>922</b>	
1	2024	ARMY		993	0	993						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	993		
1	2024	NAVY <sup>(‡)</sup>		195	0	195						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195		
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>1,188</b>	<b>0</b>	<b>1,188</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,188</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 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)										<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)									

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							
All Up Rounds (AUR)																																					
Prior Years Deliveries: 1751																																					
1	2019	ARMY		721	721	0																													0		
1	2019	NAVY (+)		75	75	0																													0		
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>796</b>	<b>796</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2020	AF (+)		43	43	0																													0		
1	2020	ARMY		494	494	0																													0		
1	2020	FMS (+)		1	1	0																													0		
1	2020	NAVY (+)		320	320	0																													0		
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>858</b>	<b>858</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2021	AF (+)		2	2	0																													0		
1	2021	ARMY		537	537	0																													0		
1	2021	NAVY (+)		161	161	0																													0		
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>700</b>	<b>700</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2022	ARMY		406	406	0	-	-	-																										0		
1	2022	NAVY (+)		164	58	106	46	46	14																										0		
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>570</b>	<b>464</b>	<b>106</b>	<b>46</b>	<b>46</b>	<b>14</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2023	ARMY		629	0	629	-	-	75	75	75	75	75	75	75	75	29	-	-	-															0		
1	2023	NAVY (+)		293	0	293	-	-	-	-	-	-	-	-	-	-	50	81	81	81															0		
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>922</b>	<b>0</b>	<b>922</b>	-	-	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>79</b>	<b>81</b>	<b>81</b>	<b>81</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2024	ARMY		993	0	993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	100	100	100	100	100	100	100	100	100	93		0			
1	2024	NAVY (+)		195	0	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7		188			
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>1,188</b>	<b>0</b>	<b>1,188</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>188</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 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)										<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)									

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						
All Up Rounds (AUR)																																				
Prior Years Deliveries: 1751																																				
1	2019	ARMY		721	721	0																														0
1	2019	NAVY <sup>(‡)</sup>		75	75	0																														0
<b>1</b>	<b>2019</b>	<b>Total</b>		<b>796</b>	<b>796</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2020	AF <sup>(‡)</sup>		43	43	0																													0	
1	2020	ARMY		494	494	0																													0	
1	2020	FMS <sup>(‡)</sup>		1	1	0																													0	
1	2020	NAVY <sup>(‡)</sup>		320	320	0																													0	
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>858</b>	<b>858</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2021	AF <sup>(‡)</sup>		2	2	0																													0	
1	2021	ARMY		537	537	0																													0	
1	2021	NAVY <sup>(‡)</sup>		161	161	0																													0	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>700</b>	<b>700</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2022	ARMY		406	406	0																													0	
1	2022	NAVY <sup>(‡)</sup>		164	164	0																													0	
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>570</b>	<b>570</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2023	ARMY		629	629	0																													0	
1	2023	NAVY <sup>(‡)</sup>		293	293	0																													0	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>922</b>	<b>922</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2024	ARMY		993	993	0	-	-																											0	
1	2024	NAVY <sup>(‡)</sup>		195	7	188	100	88																											0	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>1,188</b>	<b>1,000</b>	<b>188</b>	<b>100</b>	<b>88</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 Army								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20					<b>P-1 Line Item Number / Title:</b> 2605C70302 / Joint Air-to-Ground MSLS (JAGM)				<b>Item Number / Title [DODIC]:</b> C70302 / Joint Air-to-Ground MSLS (JAGM)			

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 - Orlando	720	1,200	1,200	5	12	24	36	5	12	24	36

**Remarks:**  
 FY 2024 total quantities include Navy purchases.  
 Production lead time is 24 months from ordering window closure.  
 A DCMA study conducted in FY 2022 identified a MSR of 720.  
 Procurement below MSR increases unit cost and introduces risk to the base of responsive vendors and suppliers.

(\*) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.  
**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System

**P-1 Line Item Number / Title:**  
2607C71300 / Long Range Precision Mmunition

**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> )	196	236	-	-	-	-	-	-	50	60	-	542
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	38.107	44.744	-	-	-	-	-	-	30.857	38.710	-	152.418
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	38.107	44.744	-	-	-	-	-	-	30.857	38.710	-	152.418
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>38.107</b>	<b>44.744</b>	-	-	-	-	-	-	<b>30.857</b>	<b>38.710</b>	-	<b>152.418</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	194.423	189.593	-	-	-	-	-	-	617.140	645.167	-	281.214

**Description:**

The LRPM will provide Army Aviation with improved and longer range weapons, sub-systems, and munitions that can rapidly respond in a combat environment improving the survivability of the warfighters and weapon systems in an anti-access/area denial (A2/AD) and positioning, navigation, and timing (PNT) denied environment. The ability to interoperate and coordinate with other weapon systems and munitions at long ranges and adapt to changing threats is a core concept of the Army Aviation Weapons Sub-Systems and Munitions (AAWSSM) program.

The Spike Non-line of Sight (NLOS) directed requirement will federate an existing production system to the Apache AH-64 as an interim solution that will provide longer stand-off ranges in an anti-access/area denial (A2/AD) environment until a more effective integrated Army Aviation Weapons Sub-Systems and Munitions (AAWSSM) LRPM solution can be developed.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	236	-	-	-	-	-	-	50	60
Total Obligation Authority	44.744	-	-	-	-	-	-	30.857	38.710
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	<b>236</b>	-	-	-	-	-	-	<b>50</b>	<b>60</b>
Total Obligation Authority	<b>44.744</b>	-	-	-	-	-	-	<b>30.857</b>	<b>38.710</b>

**Justification:**

LRPM (C71300) has no FY 2024 funding.

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

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System

**P-1 Line Item Number / Title:**  
2611C72100 / LONG-RANGE HYPERSONIC WEAPON

**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> )	-	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083	-	2,822.090
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083	-	2,822.090
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>249.285</b>	<b>156.821</b>	-	<b>156.821</b>	<b>1,016.519</b>	<b>723.571</b>	<b>380.811</b>	<b>295.083</b>	-	<b>2,822.090</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This funding supports the fielding of critical enabling technologies and capabilities that address near-term, and mid-term threats and is directly aligned to the Army Long Range Precision Fires modernization priority.

This includes the development and prototype fielding of the LRHW to defeat Anti Access/Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires , and engage other high payoff/time critical targets. The Army is working collaboratively with the Navy in the development of the LRHW.

The LRHW system consists of the All Up Rounds (AUR) with canister (AUR+C) which includes the Common Hypersonic Glide Body (CHGB) with the Navy 34.5 inch booster, the Battery Operations Center (BOC) for command and control (C2), and the Transporter Erector Launcher (TEL). An LRHW Battery contains 8 AUR+C, 1 BOC, and 4 TELs each carrying 2 AUR+C. Additionally, the LRHW will use a modified version of an existing C2 network, the Advanced Field Artillery Tactical Data System (AFATDS).

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	<b>249.285</b>	<b>156.821</b>	-	<b>156.821</b>	<b>1,016.519</b>	<b>723.571</b>	<b>380.811</b>	<b>295.083</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System **P-1 Line Item Number / Title:** 2611C72100 / LONG-RANGE HYPERSONIC WEAPON

**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-5	C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)	P-5a, P-21			- / -	- / -	- / 249.285	- / 156.821	- / -	- / 156.821
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / -	- / 249.285	- / 156.821	- / -	- / 156.821

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

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

**Justification:**  
 FY 2024 Base procurement dollars fund the production of LRHW Ground Support Equipment for the Institutional Training Base (ITB) and a tactical reload trailer. The FY 2024 request is primarily driven by procurement of: one BOC and two TELs to support standing up the ITB; one reload trailer; Government Furnished Equipment (GFE); Interim Contractor Support; and Government Program Management, Engineering, and Logistics support.

Funding decrease from FY 2023 to FY 2024 is due to Battery 2 equipment procured in FY 2023, with Battery 3 to be procured in FY 2025. An increase is planned in FY 2025 to procure Battery 3.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON	<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<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)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	-	249.285	156.821	-	156.821
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	-	249.285	156.821	-	156.821
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	-	<b>249.285</b>	<b>156.821</b>	-	<b>156.821</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	-	-	-	-	-

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
LRHW Ground Support Equipment (GSE) Production & Integration <sup>(†)</sup>	-	-	-	-	-	-	169,425.000	1	169.425	-	-	66.470	-	-	-	-	-	66.470
All Up Round + Cannister (AUR + C)	-	-	-	-	-	-	-	-	30.822	-	-	23.713	-	-	-	-	-	23.713
Government Furnished Equipment	-	-	-	-	-	-	-	-	9.162	-	-	31.439	-	-	-	-	-	31.439
Other Recurring Production	-	-	-	-	-	-	-	-	5.894	-	-	4.962	-	-	-	-	-	4.962
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	215.303	-	-	126.584	-	-	-	-	-	126.584
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	215.303	-	-	126.584	-	-	-	-	-	126.584
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	17.996	-	-	18.356	-	-	-	-	-	18.356
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	17.996	-	-	18.356	-	-	-	-	-	18.356
Support - System Engineering Cost																		
System Engineering	-	-	-	-	-	-	-	-	15.986	-	-	11.881	-	-	-	-	-	11.881
<i>Subtotal: Support - System Engineering Cost</i>	-	-	-	-	-	-	-	-	15.986	-	-	11.881	-	-	-	-	-	11.881

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON	<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	249.285	-	-	156.821	-	-	-	-	-	156.821

**Remarks:**  
The cost for the BOC and TELs for the ITB is included in the LRHW GSE Production and Integration cost element.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	249.285	156.821	-	156.821
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	249.285	156.821	-	156.821

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20			<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON				<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
LRHW Ground Support Equipment (GSE) Production & Integration <sup>(†)</sup>		2023	Lockheed Martin / Huntsville, AL	SS / CPFF	Army Contracting Command RSA	Feb 2023	Jun 2025	1	169,425.000	Y		Dec 2022

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

**Remarks:**

Notes:  
 The Date of First Delivery is the planned DD250 date for Battery 2 GSE.  
 A contracting strategy change from Other Transaction Authority agreement to a FAR-based contract delayed the RFP issue date to 1 Dec 2022.



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON										<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)									

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

LRHW Ground Support Equipment (GSE) Production & Integration																																			
1	2023	ARMY		1	0	1																													1

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**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON										<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025													Fiscal Year 2026													B A L A N C E	
O C 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			
LRHW Ground Support Equipment (GSE) Production & Integration																																	
1	2023	ARMY		1	0	1	-	-	-	-	-	-	-	-	-	1														0			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20		<b>P-1 Line Item Number / Title:</b> 2611C72100 / LONG-RANGE HYPERSONIC WEAPON
		<b>Item Number / Title [DODIC]:</b> C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)

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 - Huntsville, AL	1	1	1	0	5	28	33	0	0	0	0

**Remarks:**

The GSE quantity is based on a collective full Battery of end items.

"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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/  
Assault Missile Sys **P-1 Line Item Number / Title:**  
0648CC0007 / Javelin (AAWS-M) System Summary

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604611A

**Line Item MDAP/MAIS Code:** 280

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> )	34,001	6,105	565	541	-	541	834	583	568	547	-	43,744
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,661.705	1,387.009	431.652	199.509	-	199.509	242.288	199.205	199.469	199.676	-	8,520.513
Less PY Advance Procurement ( <i>\$ in Millions</i> )	100.622	-	-	-	-	-	-	-	-	-	-	100.622
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,561.083	1,387.009	431.652	199.509	-	199.509	242.288	199.205	199.469	199.676	-	8,419.891
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	100.622	-	-	-	-	-	-	-	-	-	-	100.622
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>5,661.705</b>	<b>1,387.009</b>	<b>431.652</b>	<b>199.509</b>	<b>-</b>	<b>199.509</b>	<b>242.288</b>	<b>199.205</b>	<b>199.469</b>	<b>199.676</b>	<b>-</b>	<b>8,520.513</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	166.516	227.192	763.986	368.778	-	368.778	290.513	341.690	351.178	365.038	-	194.781

**Description:**

Javelin is a man-portable, fire-and-forget, medium-range missile with enhanced situational awareness and precision direct-fire effects to defeat armored vehicles, fortifications, and soft targets in a range of military operations. Javelin has a high kill rate against a variety of targets at extended ranges under day/night, battlefield obscurants, adverse weather and multiple counter-measure conditions. The system's soft launch feature permits firing from a fighting position or an enclosure. Javelin uses a modular design to allow the system to evolve to meet changing threats and requirements via both software and hardware upgrades. The system consists of a reusable Command Launch Unit (CLU) with a built-in-test (BIT), and a modular missile encased in a disposable launch tube assembly. The system also includes training devices for tactical training and classroom training. Javelin's fire-and-forget technology allows the gunner to fire and immediately take cover, to move to another fighting position, or to reload. The Javelin provides enhanced lethality through the use of a tandem multi-purpose warhead which will defeat all known armor threats. It is effective against both stationary and moving targets. This system also provides defensive capability against attacking/hovering helicopters. The CLU can also be used as a stand-alone surveillance and target acquisition asset. Javelin can be adapted for use on a variety of platforms and remote weapon stations. The Javelin weapon system is an Army-led, Acquisition Category (ACAT) IC Major Defense Acquisition Program (MDAP) that has joint interest with the US Marine Corps and US Navy.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	
Army										
	Quantity	6,105	565	541	-	541	834	583	568	547
	Total Obligation Authority	1,387.009	431.652	199.509	-	199.509	242.288	199.205	199.469	199.676
<b>Total:</b>	<b>Quantity</b>	<b>6,105</b>	<b>565</b>	<b>541</b>	<b>-</b>	<b>541</b>	<b>834</b>	<b>583</b>	<b>568</b>	<b>547</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>1,387.009</b>	<b>431.652</b>	<b>199.509</b>	<b>-</b>	<b>199.509</b>	<b>242.288</b>	<b>199.205</b>	<b>199.469</b>	<b>199.676</b>

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary

<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> 0604611A
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**Line Item MDAP/MAIS Code:** 280

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	H06102 / JAVELIN (AAWS-M)	P-5a, P-21			33,996 / 5,645.735	5,614 / 1,173.216	408 / 368.530	354 / 132.564	- / -	354 / 132.564
P-5	H06103 / Javelin Lightweight Command Launch Unit (CLU)	P-5a, P-21			5 / 15.970	491 / 213.793	157 / 63.122	187 / 66.945	- / -	187 / 66.945
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>34,001 / 5,661.705</b>	<b>6,105 / 1,387.009</b>	<b>565 / 431.652</b>	<b>541 / 199.509</b>	<b>- / -</b>	<b>541 / 199.509</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:**  
H06102 FY 2024 Base procurement dollars in the amount of \$132.564 million supports the production of 354 missiles and associated training devices.  
H06103 FY 2024 Base procurement dollars in the amount of \$66.945 million supports the production of 187 Lightweight Command Launch Units (LWCLU) and associated training devices.

The Army intends to convert any price advantages created through contract negotiations, other services' procurements, and foreign military sales into increased Army procurement of Javelin missiles and LWCLUs, while investing in the improvement of system safety, reliability, affordability, producibility, and addressing obsolescence.

The decrease in funding from FY 2023 to FY 2024 is due to receipt of the Industrial Base Supplemental in FY 2023 to increase production capacity.

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	33,996	5,614	408	354	-	354
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,645.735	1,173.216	368.530	132.564	-	132.564
Less PY Advance Procurement ( <i>\$ in Millions</i> )	100.622	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,545.113	1,173.216	368.530	132.564	-	132.564
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	100.622	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>5,645.735</b>	<b>1,173.216</b>	<b>368.530</b>	<b>132.564</b>	<b>-</b>	<b>132.564</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 Thousands</i> )	166.071	208.980	903.260	374.475	-	374.475

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
<b>Recurring Cost</b>																		
All Up Round <sup>(1)</sup>	109.577	33,577	3,679.267	192.720	5,614	1,081.929	151.998	408	62.015	184.455	354	65.297	-	-	-	184.455	354	65.297
Engineering Services	-	-	205.871	-	-	9.908	-	-	10.126	-	-	10.328	-	-	-	-	-	10.328
Acceptance Testing	-	-	61.427	-	-	1.666	-	-	1.703	-	-	1.737	-	-	-	-	-	1.737
CLU Retrofits	118.433	1,073	127.079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>4,073.644</b>	<b>-</b>	<b>-</b>	<b>1,093.503</b>	<b>-</b>	<b>-</b>	<b>73.844</b>	<b>-</b>	<b>-</b>	<b>77.362</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>77.362</b>
<b>Non Recurring Cost</b>																		
Obsolescence and Cost Reduction	-	-	33.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Line Facilitization/ Maintenance	-	-	9.908	-	-	44.401	-	-	277.628	-	-	18.459	-	-	-	-	-	18.459
JOT Production Facilitization	-	-	-	-	-	26.050	-	-	-	-	-	5.989	-	-	-	-	-	5.989
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>43.005</b>	<b>-</b>	<b>-</b>	<b>70.451</b>	<b>-</b>	<b>-</b>	<b>277.628</b>	<b>-</b>	<b>-</b>	<b>24.448</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24.448</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>4,116.649</b>	<b>-</b>	<b>-</b>	<b>1,163.954</b>	<b>-</b>	<b>-</b>	<b>351.472</b>	<b>-</b>	<b>-</b>	<b>101.810</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>101.810</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	127.419	-	-	5.033	-	-	9.107	-	-	9.289	-	-	-	-	-	9.289
<b>Subtotal: Support - Production Engineering Cost</b>	<b>-</b>	<b>-</b>	<b>127.419</b>	<b>-</b>	<b>-</b>	<b>5.033</b>	<b>-</b>	<b>-</b>	<b>9.107</b>	<b>-</b>	<b>-</b>	<b>9.289</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9.289</b>
<b>Support - Program Management Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	1,401.653	-	-	4.228	-	-	7.951	-	-	8.111	-	-	-	-	-	8.111
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>1,401.653</b>	-	-	<b>4.228</b>	-	-	<b>7.951</b>	-	-	<b>8.111</b>	-	-	-	-	-	<b>8.111</b>
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	-	-	-	13.354	-	-	-	-	-	13.354
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>13.354</b>	-	-	-	-	-	<b>13.354</b>
<b>Gross/Weapon System Cost</b>	<b>166.071</b>	<b>33,996</b>	<b>5,645.735</b>	<b>208.980</b>	<b>5,614</b>	<b>1,173.216</b>	<b>903.260</b>	<b>408</b>	<b>368.530</b>	<b>374.475</b>	<b>354</b>	<b>132.564</b>	-	-	-	<b>374.475</b>	<b>354</b>	<b>132.564</b>

**Remarks:**

The unit cost of missiles in FY 2023 is based on the production capacity of 2,100 and the FY 2024 unit cost of missiles is based on the projected procurement quantity of 1,050.

Production Line Facilitization/Maintenance is for the upgrade of aging test equipment, tired tooling and to increase the production capacity from 2,100 to 3,960 per year.

Javelin Outdoor Trainer (JOT) Production Facilitization in FY 2024 completes the factory setup to support the initial JOT procurement shown under the Support - Training Cost - Equipment element.

PB24 increase in the FY 2023 cost of Government Management and Production Engineering reflects the increase of the actual cost of managing the program.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	5,614	408	354	-	354
	Total Obligation Authority	1,173.216	368.530	132.564	-	132.564
<b>Total:</b>	Quantity	<b>5,614</b>	<b>408</b>	<b>354</b>	-	<b>354</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>1,173.216</b>	<b>368.530</b>	<b>132.564</b>	-	<b>132.564</b>

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All Up Round <sup>(†)</sup>		2020	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Jul 2020	Nov 2023	672	143.150	Y		Oct 2019
All Up Round <sup>(†)</sup>		2021	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Apr 2021	Jul 2024	763	166.292	Y		Oct 2019
All Up Round <sup>(†)</sup>		2022	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	May 2022	Jan 2025	5,614	192.720	Y		Oct 2019
All Up Round <sup>(†)</sup>		2023	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Apr 2023	Sep 2027	408	151.998	Y		Oct 2019
All Up Round <sup>(†)</sup>		2024	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Aug 2024	Jun 2028	354	184.455	Y		Dec 2021

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

**Remarks:**

JJV: Javelin Joint Venture (includes Raytheon in Tucson, AZ and Lockheed Martin in Orlando, FL)  
 SS: Sole Source  
 FFP: Firm Fixed Price  
 AMCOM: Aviation and Missile Command



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
All Up Round																																	
Prior Years Deliveries: 32142																																	
1	2020	ARMY	672	0	672																								672				
1	2020	FMS (+)	327	0	327																								327				
1	2020	MC (+)	123	0	123																								123				
1	2020	NAVY (+)	13	0	13																								13				
1	2020	OTH (+)	391	0	391																								391				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,526</b>	<b>0</b>	<b>1,526</b>																								<b>1,526</b>				
1	2021	ARMY	763	0	763																								763				
1	2021	FMS (+)	193	0	193																								193				
1	2021	MC (+)	99	0	99																								99				
1	2021	NAVY (+)	3	0	3																								3				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,058</b>	<b>0</b>	<b>1,058</b>																								<b>1,058</b>				
1	2022	ARMY	5,614	0	5,614																								5,614				
1	2022	FMS (+)	510	0	510																								510				
1	2022	MC (+)	1,001	0	1,001																								1,001				
1	2022	NAVY (+)	13	0	13																								13				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>7,138</b>	<b>0</b>	<b>7,138</b>																								<b>7,138</b>				
1	2023	ARMY	408	0	408																								408				
1	2023	FMS (+)	514	0	514																								514				
1	2023	MC (+)	72	0	72																								72				
1	2023	NAVY (+)	7	0	7																								7				
1	2023	OTH (+)	24	0	24																								24				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,025</b>	<b>0</b>	<b>1,025</b>																								<b>1,025</b>				
1	2024	ARMY	354	0	354																								354				
1	2024	FMS (+)	420	0	420																								420				
1	2024	MC (+)	273	0	273																								273				
1	2024	NAVY (+)	8	0	8																								8				
1	2024	OTH (+)	106	0	106																								106				

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)
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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 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					
1		2024	Total	1,161	0	1,161																													1,161
							O C T	N O V	D E C	J A N	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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

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					
All Up Round																																			
Prior Years Deliveries: 32142																																			
1	2020	ARMY	672	0	672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	672				
1	2020	FMS (+)	327	0	327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	327				
1	2020	MC (+)	123	0	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123				
1	2020	NAVY (+)	13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
1	2020	OTH (+)	391	0	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	391				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,526</b>	<b>0</b>	<b>1,526</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,526</b>				
1	2021	ARMY	763	0	763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	763				
1	2021	FMS (+)	193	0	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193				
1	2021	MC (+)	99	0	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99				
1	2021	NAVY (+)	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,058</b>	<b>0</b>	<b>1,058</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,058</b>				
1	2022	ARMY	5,614	0	5,614									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,614				
1	2022	FMS (+)	510	0	510									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510				
1	2022	MC (+)	1,001	0	1,001									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,001				
1	2022	NAVY (+)	13	0	13									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>7,138</b>	<b>0</b>	<b>7,138</b>									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>7,138</b>				
1	2023	ARMY	408	0	408																										408				
1	2023	FMS (+)	514	0	514																										514				
1	2023	MC (+)	72	0	72																										72				
1	2023	NAVY (+)	7	0	7																										7				
1	2023	OTH (+)	24	0	24																										24				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,025</b>	<b>0</b>	<b>1,025</b>																										<b>1,025</b>				
1	2024	ARMY	354	0	354																										354				
1	2024	FMS (+)	420	0	420																										420				
1	2024	MC (+)	273	0	273																										273				
1	2024	NAVY (+)	8	0	8																										8				
1	2024	OTH (+)	106	0	106																										106				
						O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1		2024	Total	1,161	0	1,161																													1,161
							O C T	N O V	D E C	J A N	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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

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			
All Up Round																																	
Prior Years Deliveries: 32142																																	
1	2020	ARMY	672	0	672	-	8	-	85	-	151	-	428																0				
1	2020	FMS (+)	327	0	327	-	-	-	-	-	1	200	126																0				
1	2020	MC (+)	123	0	123	-	123	-	-	-	-	-	-																0				
1	2020	NAVY (+)	13	0	13	-	-	-	13	-	-	-	-																0				
1	2020	OTH (+)	391	0	391	-	150	-	146	-	95	-	-																0				
<b>1</b>	<b>2020</b>	<b>Total</b>	<b>1,526</b>	<b>0</b>	<b>1,526</b>	-	<b>281</b>	-	<b>244</b>	-	<b>247</b>	<b>200</b>	<b>554</b>																<b>0</b>				
1	2021	ARMY	763	0	763	-	-	-	-	-	-	-	-																0				
1	2021	FMS (+)	193	0	193	-	-	-	-	-	-	-	-																0				
1	2021	MC (+)	99	0	99	-	-	-	-	-	-	-	-																0				
1	2021	NAVY (+)	3	0	3	-	-	-	-	-	-	-	-																0				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>1,058</b>	<b>0</b>	<b>1,058</b>	-	-	-	-	-	-	-	-																<b>0</b>				
1	2022	ARMY	5,614	0	5,614	-	-	-	-	-	-	-	-																4,491				
1	2022	FMS (+)	510	0	510	-	-	-	-	-	-	-	-																92				
1	2022	MC (+)	1,001	0	1,001	-	-	-	-	-	-	-	-																1,000				
1	2022	NAVY (+)	13	0	13	-	-	-	-	-	-	-	-																0				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>7,138</b>	<b>0</b>	<b>7,138</b>	-	-	-	-	-	-	-	-																<b>5,583</b>				
1	2023	ARMY	408	0	408	-	-	-	-	-	-	-	-																408				
1	2023	FMS (+)	514	0	514	-	-	-	-	-	-	-	-																514				
1	2023	MC (+)	72	0	72	-	-	-	-	-	-	-	-																72				
1	2023	NAVY (+)	7	0	7	-	-	-	-	-	-	-	-																7				
1	2023	OTH (+)	24	0	24	-	-	-	-	-	-	-	-																24				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,025</b>	<b>0</b>	<b>1,025</b>	-	-	-	-	-	-	-	-																<b>1,025</b>				
1	2024	ARMY	354	0	354																								354				
1	2024	FMS (+)	420	0	420																								420				
1	2024	MC (+)	273	0	273																								273				
1	2024	NAVY (+)	8	0	8																								8				
1	2024	OTH (+)	106	0	106																								106				



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

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			
All Up Round																																	
Prior Years Deliveries: 32142																																	
1	2020	ARMY		672	672	0																							0				
1	2020	FMS (+)		327	327	0																							0				
1	2020	MC (+)		123	123	0																							0				
1	2020	NAVY (+)		13	13	0																							0				
1	2020	OTH (+)		391	391	0																							0				
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>1,526</b>	<b>1,526</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2021	ARMY		763	763	0																							0				
1	2021	FMS (+)		193	193	0																							0				
1	2021	MC (+)		99	99	0																							0				
1	2021	NAVY (+)		3	3	0																							0				
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>1,058</b>	<b>1,058</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2022	ARMY		5,614	1,123	4,491	525	-	-	-	433	-	-	525	-	-	525	-	-	531	152	-	-	400	-	-	271	-	-	103	1,026		
1	2022	FMS (+)		510	418	92	-	-	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2022	MC (+)		1,001	1	1,000	-	-	-	-	-	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	542	421			
1	2022	NAVY (+)		13	13	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>7,138</b>	<b>1,555</b>	<b>5,583</b>	<b>525</b>	-	-	-	<b>525</b>	-	-	<b>525</b>	-	-	<b>525</b>	-	-	<b>531</b>	<b>152</b>	-	-	<b>400</b>	-	-	<b>308</b>	-	-	<b>645</b>	<b>1,447</b>		
1	2023	ARMY		408	0	408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	204			
1	2023	FMS (+)		514	0	514	-	-	-	-	-	-	-	-	-	-	-	-	54	120	-	-	340	-	-	-	-	-	-	0			
1	2023	MC (+)		72	0	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-	0			
1	2023	NAVY (+)		7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	0			
1	2023	OTH (+)		24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24			
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>1,025</b>	<b>0</b>	<b>1,025</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>54</b>	<b>127</b>	-	-	<b>340</b>	-	-	<b>72</b>	-	-	<b>204</b>	<b>228</b>			
1	2024	ARMY		354	0	354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	354			
1	2024	FMS (+)		420	0	420	-	-	-	-	-	-	-	-	-	-	-	-	-	74	88	88	88	82	-	-	-	-	-	0			
1	2024	MC (+)		273	0	273	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	273			
1	2024	NAVY (+)		8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8			
1	2024	OTH (+)		106	0	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106			
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

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			
1		2024	Total	1,161	0	1,161	-	-	-	-	-	-	-	-	-	-	-	-	-	74	88	88	88	82	-	-	-	-	-	741			
							O C T	N O V	D E C	J A N	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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

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
All Up Round																															
Prior Years Deliveries: 32142																															
1	2020	ARMY		672	672	0																							0		
1	2020	FMS (+)		327	327	0																							0		
1	2020	MC (+)		123	123	0																							0		
1	2020	NAVY (+)		13	13	0																							0		
1	2020	OTH (+)		391	391	0																							0		
<b>1</b>	<b>2020</b>	<b>Total</b>		<b>1,526</b>	<b>1,526</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2021	ARMY		763	763	0																							0		
1	2021	FMS (+)		193	193	0																							0		
1	2021	MC (+)		99	99	0																							0		
1	2021	NAVY (+)		3	3	0																							0		
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>1,058</b>	<b>1,058</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2022	ARMY		5,614	4,588	1,026	-	-	26	-	-	340	-	-	660														0		
1	2022	FMS (+)		510	510	0	-	-	-	-	-	-	-	-	-													0			
1	2022	MC (+)		1,001	580	421	-	-	421	-	-	-	-	-	-													0			
1	2022	NAVY (+)		13	13	0	-	-	-	-	-	-	-	-	-													0			
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>7,138</b>	<b>5,691</b>	<b>1,447</b>	-	-	<b>447</b>	-	-	<b>340</b>	-	-	<b>660</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1	2023	ARMY		408	204	204	-	-	-	-	-	204																0			
1	2023	FMS (+)		514	514	0	-	-	-	-	-	-																0			
1	2023	MC (+)		72	72	0	-	-	-	-	-	-																0			
1	2023	NAVY (+)		7	7	0	-	-	-	-	-	-																0			
1	2023	OTH (+)		24	0	24	-	-	24	-	-	-																0			
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>1,025</b>	<b>797</b>	<b>228</b>	-	-	<b>24</b>	-	-	<b>204</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
1	2024	ARMY		354	0	354	-	-	-	-	-	-	-	330	-	-	24											0			
1	2024	FMS (+)		420	420	0	-	-	-	-	-	-	-	-	-	-	-											0			
1	2024	MC (+)		273	0	273	-	-	-	-	-	-	-	-	-	-	273											0			
1	2024	NAVY (+)		8	0	8	-	-	-	-	-	-	-	-	-	-	8											0			
1	2024	OTH (+)		106	0	106	-	-	-	-	-	-	-	-	-	-	106											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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 0648CC0007 / Javelin (AAWS-M) System Summary **Item Number / Title [DODIC]:** H06102 / JAVELIN (AAWS-M)

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2028														Fiscal Year 2029														BALANCE			
O C 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								
1		2024	Total	1,161	420	741	-	-	-	-	-	-	-	-	330	-	-	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary
		<b>Item Number / Title [DODIC]:</b> H06102 / JAVELIN (AAWS-M)

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	JJV All Up Round - Tucson AZ Orlando FL	1,680	2,100	2,100	11	11	46	57	11	11	46	57

**Remarks:**

Javelin relies on the combined United States Army, other services, and FMS procurements to reach Minimum Sustaining Rate.

FY 2021 and FY 2022 production lead times are based on contracted delivery dates. FY 2023 and FY 2024 production lead times are projections based on current production rates and vendor capacities. The vendor has accelerated their production deliveries on the current contract. Capability to sustain accelerated deliveries is projected to carry forward into future contracts.

A DCMA study conducted in FY 2022 identified a new MSR of 1,680. Procurement below MSR increases unit cost and introduces risk to the base of responsive vendors and suppliers.

(\*) 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-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<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)	5	491	157	187	-	187
Gross/Weapon System Cost (\$ in Millions)	15.970	213.793	63.122	66.945	-	66.945
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	15.970	213.793	63.122	66.945	-	66.945
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>15.970</b>	<b>213.793</b>	<b>63.122</b>	<b>66.945</b>	<b>-</b>	<b>66.945</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 Thousands)	3,194.000	435.424	402.051	357.995	-	357.995

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Light Weight CLU Production <sup>(†)</sup>	442.600	5	2.213	294.625	491	144.661	244.268	157	38.350	249.150	187	46.591	-	-	-	249.150	187	46.591
Engineering Services	-	-	1.377	-	-	1.713	-	-	1.751	-	-	1.786	-	-	-	-	-	1.786
Acceptance Testing	-	-	0.400	-	-	0.529	-	-	0.541	-	-	0.551	-	-	-	-	-	0.551
Fielding	-	-	0.173	-	-	1.059	-	-	1.082	-	-	1.104	-	-	-	-	-	1.104
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>4.163</b>	<b>-</b>	<b>-</b>	<b>147.962</b>	<b>-</b>	<b>-</b>	<b>41.724</b>	<b>-</b>	<b>-</b>	<b>50.032</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50.032</b>
Non Recurring Cost																		
Production Line Facilitization/ Maintenance	-	-	10.932	-	-	62.617	-	-	1.126	-	-	1.035	-	-	-	-	-	1.035
BST Production Facilitization	-	-	-	-	-	0.850	-	-	3.000	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>10.932</b>	<b>-</b>	<b>-</b>	<b>63.467</b>	<b>-</b>	<b>-</b>	<b>4.126</b>	<b>-</b>	<b>-</b>	<b>1.035</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.035</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>15.095</b>	<b>-</b>	<b>-</b>	<b>211.429</b>	<b>-</b>	<b>-</b>	<b>45.850</b>	<b>-</b>	<b>-</b>	<b>51.067</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51.067</b>
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	-	-	-	-	-	-	-	-	-	1.993	-	-	-	-	-	1.993
<b>Subtotal: Support - Initial Spares and Repair Parts Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.993</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.993</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary	<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.875	-	-	1.088	-	-	6.071	-	-	6.193	-	-	-	-	-	6.193
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.875</b>	-	-	<b>1.088</b>	-	-	<b>6.071</b>	-	-	<b>6.193</b>	-	-	-	-	-	<b>6.193</b>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	-	-	-	1.276	-	-	5.301	-	-	5.407	-	-	-	-	-	5.407
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	<b>1.276</b>	-	-	<b>5.301</b>	-	-	<b>5.407</b>	-	-	-	-	-	<b>5.407</b>
<b>Support - Training Cost</b>																		
Equipment	-	-	-	-	-	-	-	-	5.900	-	-	2.285	-	-	-	-	-	2.285
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	-	-	-	<b>5.900</b>	-	-	<b>2.285</b>	-	-	-	-	-	<b>2.285</b>
<b>Gross/Weapon System Cost</b>	<b>3,194.000</b>	<b>5</b>	<b>15.970</b>	<b>435.424</b>	<b>491</b>	<b>213.793</b>	<b>402.051</b>	<b>157</b>	<b>63.122</b>	<b>357.995</b>	<b>187</b>	<b>66.945</b>	-	-	-	<b>357.995</b>	<b>187</b>	<b>66.945</b>

**Remarks:**

Lightweight Command Launch Unit (LWCLU) unit cost estimate in FY 2024 is based on a total procurement quantities from all customers.

Fielding costs include initial consumables including Battery Coolant Units (BCU).

Production Line Facilitization/Maintenance is to support the ramp-up from Low-Rate Initial Production (LRIP) to Full-Rate Production (FRP).

Army Procurement Objective (APO) is 5,580 LWCLUs, which will be fielded to all Infantry and Stryker Brigade Combat Teams, as well as Army Rangers and Special Operations Forces.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	491	157	187	-	187
	Total Obligation Authority	213.793	63.122	66.945	-	66.945
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>491</b>	<b>157</b>	<b>187</b>	-	<b>187</b>
	<b>Total Obligation Authority</b>	<b>213.793</b>	<b>63.122</b>	<b>66.945</b>	-	<b>66.945</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30			<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary				<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)					

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Light Weight CLU Production <sup>(†)</sup>		2021	JJV Lightweight CLU / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal AL	Jun 2021	Jun 2023	5	442.600	N		Oct 2020
Light Weight CLU Production <sup>(†)</sup>		2022	JJV Lightweight CLU / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal AL	Jun 2022	Mar 2024	491	294.625	N		Oct 2020
Light Weight CLU Production <sup>(†)</sup>		2023	JJV Lightweight CLU / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal AL	Jun 2023	Jan 2026	157	244.268	N		Oct 2020
Light Weight CLU Production <sup>(†)</sup>		2024	JJV Lightweight CLU / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal AL	Jun 2024	Jun 2026	187	249.150	N		Dec 2021

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

**Remarks:**

JJV: Javelin Joint Venture (includes Raytheon in Tucson, AZ and Lockheed Martin in Orlando, FL)

SS: Sole Source

FFP: Firm Fixed Price

AMCOM: Aviation and Missile Command







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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30										<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary										<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)									

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					
Light Weight CLU Production																																			
1	2021	ARMY	5	5	0																								0						
1	2022	ARMY	491	84	407	2	10	13	13	13	13	13	13	13	50	50	50	50	50	50	4								0						
1	2023	ARMY	157	0	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	50	50	11	-	-	-	-	0						
1	2023	FMS (+)	176	0	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	50	50	50	4	0							
1	2023	MC (+)	50	0	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	11	-	-	-	0							
1	2023	NAVY (+)	17	0	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	0							
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>400</b>	<b>0</b>	<b>400</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>46</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>4</b>	<b>0</b>						
1	2024	ARMY	187	0	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	37	0						
1	2024	FMS (+)	150	0	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150							
1	2024	MC (+)	68	0	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68							
1	2024	NAVY (+)	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10							
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>415</b>	<b>0</b>	<b>415</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>50</b>	<b>50</b>	<b>50</b>	<b>37</b>	<b>228</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 Army															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30										<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary										<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)									

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
Light Weight CLU Production																															
	1	2021	ARMY	5	5	0																							0		
	1	2022	ARMY	491	491	0																							0		
	1	2023	ARMY	157	157	0																							0		
	1	2023	FMS (+)	176	176	0																							0		
	1	2023	MC (+)	50	50	0																							0		
	1	2023	NAVY (+)	17	17	0																							0		
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>400</b>	<b>400</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
	1	2024	ARMY	187	187	0	-	-	-	-	-	-	-																0		
	1	2024	FMS (+)	150	0	150	-	-	-	-	35	50	50	15															0		
	1	2024	MC (+)	68	0	68	-	-	13	50	5	-	-	-															0		
	1	2024	NAVY (+)	10	0	10	-	-	-	-	10	-	-	-															0		
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>415</b>	<b>187</b>	<b>228</b>	-	-	<b>13</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>15</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 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 0648CC0007 / Javelin (AAWS-M) System Summary
		<b>Item Number / Title [DODIC]:</b> H06103 / Javelin Lightweight Command Launch Unit (CLU)

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	JJV Lightweight CLU - Tucson AZ Orlando FL	120	480	600	11	8	18	26	11	8	12	20

(‡) 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).

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary
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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> )	176,788	889	878	850	-	850	749	780	743	708	-	182,385
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,880.715	101.912	103.866	120.475	-	120.475	113.321	122.376	122.541	122.668	-	4,687.874
Less PY Advance Procurement ( <i>\$ in Millions</i> )	238.047	-	-	-	-	-	-	-	-	-	-	238.047
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,642.668	101.912	103.866	120.475	-	120.475	113.321	122.376	122.541	122.668	-	4,449.827
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	238.047	-	-	-	-	-	-	-	-	-	-	238.047
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,880.715</b>	<b>101.912</b>	<b>103.866</b>	<b>120.475</b>	<b>-</b>	<b>120.475</b>	<b>113.321</b>	<b>122.376</b>	<b>122.541</b>	<b>122.668</b>	<b>-</b>	<b>4,687.874</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	21.951	114.637	118.298	141.735	-	141.735	151.296	156.892	164.927	173.260	-	25.703

**Description:**

Tube launched, Optically tracked, Wireless guided (TOW) missiles (BGM-71 Series) are combat proven munitions that provide heavy anti-armor/assault capability to the Army's Infantry Brigade Combat Teams (IBCT), Stryker Brigade Combat Teams (SBCT) and Armor Brigade Combat Teams (ABCT). TOW missiles continue to be used as the weapon of choice in precision combat engagements. TOW missiles are also the primary heavy anti-armor/ assault missile for the U.S. Marine Corps (USMC) and more than 43 allied nations. Warfighters also employ TOW missiles against buildings and field fortifications, taking advantage of the missile's precision assault capabilities. The TOW weapon system is an Army-led, Acquisition Category (ACAT) IC Major Defense Acquisition Program (MDAP) that has joint interest with the USMC.

The TOW weapon system includes the Improved Target Acquisition System (ITAS) launcher, TOW missiles, and associated tactical training aids/devices. The ITAS is a combat proven TOW missile launcher that provides long-range, lethal anti-armor and precision assault fires capability for Active, Reserve, and National Guard component IBCT and SBCT across a spectrum of operational environments. The USMC employs the TOW missile from its ITAS derived M41A7 Saber launchers and Anti-Tank Guided Missile (ATGM) vehicles.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	889	878	850	-	850	749	780	743	708
Total Obligation Authority	101.912	103.866	120.475	-	120.475	113.321	122.376	122.541	122.668
<b>Total:</b>	<b>889</b>	<b>878</b>	<b>850</b>	<b>-</b>	<b>850</b>	<b>749</b>	<b>780</b>	<b>743</b>	<b>708</b>
<b>Secondary Distribution</b>	<b>101.912</b>	<b>103.866</b>	<b>120.475</b>	<b>-</b>	<b>120.475</b>	<b>113.321</b>	<b>122.376</b>	<b>122.541</b>	<b>122.668</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys **P-1 Line Item Number / Title:** 2104C59300 / TOW 2 System Summary

**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-5	C59403 / TOW Family of Missiles	P-5a, P-21			176,788 / 3,880.715	889 / 101.912	878 / 103.866	850 / 120.475	- / -	850 / 120.475
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>176,788 / 3,880.715</b>	<b>889 / 101.912</b>	<b>878 / 103.866</b>	<b>850 / 120.475</b>	<b>- / -</b>	<b>850 / 120.475</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:**  
 FY 2024 Base Procurement dollars in the amount of \$120.475 million procures 850 TOW 2B Aero missiles.  
 Increase in FY 2024 funding is due to increase in TOA to procure missiles.  
 The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to increase the Army procurement of TOW Missiles and/or address safety, reliability, affordability, producibility, and/or obsolescence.  
 In accordance with Section 1815 of the FY08 National Defense Authorization Act, this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary
		<b>Item Number / Title [DODIC]:</b> C59403 / TOW Family of Missiles

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<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 ( <i>Units in Each</i> )	176,788	889	878	850	-	850
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,880.715	101.912	103.866	120.475	-	120.475
Less PY Advance Procurement ( <i>\$ in Millions</i> )	238.047	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,642.668	101.912	103.866	120.475	-	120.475
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	238.047	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>3,880.715</b>	<b>101.912</b>	<b>103.866</b>	<b>120.475</b>	<b>-</b>	<b>120.475</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 Thousands</i> )	21.951	114.637	118.298	141.735	-	141.735

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
<b>Recurring Cost</b>																		
Missile Contract <sup>(†)</sup>	21.290	176,323	3,753.944	100.978	889	89.769	99.951	878	87.757	124.976	850	106.230	-	-	-	124.976	850	106.230
Engineering Services	-	-	-	-	-	2.286	-	-	2.936	-	-	2.758	-	-	-	-	-	2.758
Acceptance Testing	-	-	22.141	-	-	2.218	-	-	3.215	-	-	2.584	-	-	-	-	-	2.584
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>3,776.085</b>	<b>-</b>	<b>-</b>	<b>94.273</b>	<b>-</b>	<b>-</b>	<b>93.908</b>	<b>-</b>	<b>-</b>	<b>111.572</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>111.572</b>
<b>Non Recurring Cost</b>																		
Counter Active Protection System (CAPS) Obsolescence	-	-	2.375	-	-	2.401	-	-	2.874	-	-	2.798	-	-	-	-	-	2.798
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>2.375</b>	<b>-</b>	<b>-</b>	<b>2.401</b>	<b>-</b>	<b>-</b>	<b>2.874</b>	<b>-</b>	<b>-</b>	<b>2.798</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.798</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>3,778.460</b>	<b>-</b>	<b>-</b>	<b>96.674</b>	<b>-</b>	<b>-</b>	<b>96.782</b>	<b>-</b>	<b>-</b>	<b>114.370</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>114.370</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	3.474	-	-	4.998	-	-	4.049	-	-	-	-	-	4.049
<b>Subtotal: Support - Production Engineering Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.474</b>	<b>-</b>	<b>-</b>	<b>4.998</b>	<b>-</b>	<b>-</b>	<b>4.049</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4.049</b>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	66.859	-	-	1.764	-	-	2.086	-	-	2.056	-	-	-	-	-	2.056
<b>Subtotal: Support - Program Management Cost</b>	<b>-</b>	<b>-</b>	<b>66.859</b>	<b>-</b>	<b>-</b>	<b>1.764</b>	<b>-</b>	<b>-</b>	<b>2.086</b>	<b>-</b>	<b>-</b>	<b>2.056</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.056</b>
<b>Support - System Engineering Cost</b>																		
System Engineering	-	-	35.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30						<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary						<b>Item Number / Title [DODIC]:</b> C59403 / TOW Family of Missiles					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - System Engineering Cost</i>	-	-	35.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	21.951	176,788	3,880.715	114.637	889	101.912	118.298	878	103.866	141.735	850	120.475	-	-	-	141.735	850	120.475

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

Cost Element Breakout	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Missile Contract	21.290	176,323	3,753.944	100.978	889	89.769	99.951	878	87.757	124.976	850	106.230	-	-	-	124.976	850	106.230
All configurations (FY 19 and prior)	20.329	173,632	3,529.681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2B Aero	100.488	1,691	169.926	100.978	889	89.768	99.951	878	87.757	124.976	850	106.230	-	-	-	124.976	850	106.230
Bunker Buster	54.254	1,000	54.254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Remarks:**

FY 2024 estimated unit cost increase of ~25% caused by total procurement quantity decrease of ~25% across all customers.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	889	878	850	-	850
	Total Obligation Authority	101.912	103.866	120.475	-	120.475
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>889</b>	<b>878</b>	<b>850</b>	<b>-</b>	<b>850</b>
	<b>Total Obligation Authority</b>	<b>101.912</b>	<b>103.866</b>	<b>120.475</b>	<b>-</b>	<b>120.475</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary	<b>Item Number / Title [DODIC]:</b> C59403 / TOW Family of Missiles
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Missile Contract <sup>(†)</sup>		2021	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Mar 2021	Mar 2023	1,231	90.480	Y		Apr 2018
Missile Contract <sup>(†)</sup>		2022	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Jun 2022	Jun 2024	889	100.978	Y		Aug 2020
Missile Contract <sup>(†)</sup>		2023	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Aug 2023	Sep 2025	878	99.951	Y		Feb 2022
Missile Contract <sup>(†)</sup>		2024	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Mar 2024	Mar 2026	850	12.498	Y		Feb 2022

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

**Remarks:**

Raytheon is the only industry source that is both facilitized and qualified to produce TOW missiles.

Unit cost in FY 2024 is miscalculating; should be \$124.976.

AMCOM   Aviation and Missile Command  
 FPIF     Fixed Price Incentive Firm Target  
 SS        Sole Source



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary	<b>Item Number / Title [DODIC]:</b> C59403 / TOW Family of Missiles
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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			
Missile Contract																																	
Prior Years Deliveries: 175092																																	
1	2021	ARMY	1,231	0	1,231																								1,231				
1	2021	FMS (+)	427	0	427																								427				
1	2021	MC (+)	448	0	448																								448				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>2,106</b>	<b>0</b>	<b>2,106</b>																								<b>2,106</b>				
1	2022	ARMY	889	0	889																								889				
1	2022	FMS (+)	1,278	0	1,278																								1,278				
1	2022	MC (+)	463	0	463																								463				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>2,630</b>	<b>0</b>	<b>2,630</b>																								<b>2,630</b>				
1	2023	ARMY	878	0	878																								878				
1	2023	FMS (+)	1,018	0	1,018																								1,018				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,896</b>	<b>0</b>	<b>1,896</b>																								<b>1,896</b>				
1	2024	ARMY	850	0	850																								850				
1	2024	FMS (+)	600	0	600																								600				
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,450</b>	<b>0</b>	<b>1,450</b>																								<b>1,450</b>				

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 2104C59300 / TOW 2 System Summary **Item Number / Title [DODIC]:** C59403 / TOW Family of Missiles

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			
Missile Contract																																		
Prior Years Deliveries: 175092																																		
1	2021	ARMY	1,231	0	1,231	-	-	-	-	-	176	176	176	176	176	176	175	-	-	-	-	-	-	-	-	-	-	-	0					
1	2021	FMS (+)	427	0	427	-	-	-	-	-	-	-	-	-	-	-	-	77	175	175	-	-	-	-	-	-	-	-	0					
1	2021	MC (+)	448	0	448	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175	175	98	-	-	-	-	-	0					
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>2,106</b>	<b>0</b>	<b>2,106</b>	-	-	-	-	-	<b>176</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>175</b>	<b>77</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>98</b>	-	-	-	-	-	<b>0</b>					
1	2022	ARMY	889	0	889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	189	240	240	220	0				
1	2022	FMS (+)	1,278	0	1,278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,278					
1	2022	MC (+)	463	0	463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	463					
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>2,630</b>	<b>0</b>	<b>2,630</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>189</b>	<b>240</b>	<b>240</b>	<b>220</b>	<b>1,741</b>				
1	2023	ARMY	878	0	878														A -	-	-	-	-	-	-	-	-	-	-	-	-	878		
1	2023	FMS (+)	1,018	0	1,018														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,018
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,896</b>	<b>0</b>	<b>1,896</b>														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,896</b>
1	2024	ARMY	850	0	850														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	850
1	2024	FMS (+)	600	0	600														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,450</b>	<b>0</b>	<b>1,450</b>														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,450</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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 2104C59300 / TOW 2 System Summary **Item Number / Title [DODIC]:** C59403 / TOW Family of Missiles

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			
Missile Contract																																	
Prior Years Deliveries: 175092																																	
1	2021	ARMY	1,231	1,231	0																								0				
1	2021	FMS (+)	427	427	0																								0				
1	2021	MC (+)	448	448	0																								0				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>2,106</b>	<b>2,106</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2022	ARMY	889	889	0																								0				
1	2022	FMS (+)	1,278	0	1,278	215	215	215	215	215	203	-	-	-															0				
1	2022	MC (+)	463	0	463	-	-	-	-	-	198	240	25																0				
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>2,630</b>	<b>889</b>	<b>1,741</b>	<b>215</b>	<b>215</b>	<b>215</b>	<b>215</b>	<b>215</b>	<b>203</b>	<b>198</b>	<b>240</b>	<b>25</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2023	ARMY	878	0	878	-	-	-	-	-	-	-	-	-	175	175	157	175	175	21	-	-							0				
1	2023	FMS (+)	1,018	0	1,018	-	-	-	-	-	-	-	-	-	-	-	183	175	175	175	175	135							0				
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>1,896</b>	<b>0</b>	<b>1,896</b>	-	-	-	-	-	-	-	-	-	<b>175</b>	<b>175</b>	<b>340</b>	<b>350</b>	<b>350</b>	<b>196</b>	<b>175</b>	<b>135</b>	-	-	-	-	-	<b>0</b>					
1	2024	ARMY	850	0	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	360					
1	2024	FMS (+)	600	0	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50	250					
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>1,450</b>	<b>0</b>	<b>1,450</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>610</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 Army** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 2104C59300 / TOW 2 System Summary **Item Number / Title [DODIC]:** C59403 / TOW Family of Missiles

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
Missile Contract																															
Prior Years Deliveries: 175092																															
1	2021	ARMY		1,231	1,231	0																								0	
1	2021	FMS (+)		427	427	0																								0	
1	2021	MC (+)		448	448	0																								0	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>2,106</b>	<b>2,106</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2022	ARMY		889	889	0																								0	
1	2022	FMS (+)		1,278	1,278	0																								0	
1	2022	MC (+)		463	463	0																								0	
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>2,630</b>	<b>2,630</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2023	ARMY		878	878	0																								0	
1	2023	FMS (+)		1,018	1,018	0																								0	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>1,896</b>	<b>1,896</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2024	ARMY		850	490	360	70	70	74	74	72																			0	
1	2024	FMS (+)		600	350	250	50	50	50	50	50																			0	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>1,450</b>	<b>840</b>	<b>610</b>	<b>120</b>	<b>120</b>	<b>124</b>	<b>124</b>	<b>122</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 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 2104C59300 / TOW 2 System Summary
		<b>Item Number / Title [DODIC]:</b> C59403 / TOW Family of Missiles

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	3,360	9,600	24,000	3	2	24	26	3	2	24	26

**Remarks:**  
MSR includes the production rate for each budget year that is necessary to keep production lines open while maintaining a base of responsive vendors and suppliers.

- A DCMA study conducted in FY 2022 identified a new MSR of 3,360.
- Procurement below MSR increases unit cost and introduces risk to the base of responsive vendors and suppliers.

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

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
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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: 0603778A, 0205778A
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**Line Item MDAP/MAIS Code:** 260

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> )	56,026	6,804	5,910	5,016	-	5,016	7,518	7,656	7,524	7,578	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	7,346.578	1,130.519	1,312.028	886.367	-	886.367	1,270.040	1,321.161	1,254.264	1,336.417	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	55.913	-	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	7,346.578	1,130.519	1,312.028	886.367	-	886.367	1,214.127	1,321.161	1,254.264	1,336.417	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>7,346.578</b>	<b>1,130.519</b>	<b>1,312.028</b>	<b>942.280</b>	<b>-</b>	<b>942.280</b>	<b>1,214.127</b>	<b>1,321.161</b>	<b>1,254.264</b>	<b>1,336.417</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	131.128	166.155	222.001	176.708	-	176.708	168.933	172.565	166.702	176.355	Continuing	Continuing

**Description:**

NOTE: The P-40 quantity and unit cost for FY 2023 is inaccurate. The FY 2023 quantity is 6,882; the FY 2023 unit cost is \$148.358, quantity increased due to addition of supplemental funding (reflected in budget above, \$1,312.028M TOA).  
The FY 2023 quantity change from 5910 to 6,882; supports the procurement of an additional 972 rockets for Army requirements.

Guided Multiple Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. The U.S. Marine Corps also procures GMLRS rockets through the Army project office.

The GMLRS Program currently consists of multiple variants: GMLRS Unitary utilizes a 200 pound high explosive warhead to engage point targets with limited collateral damage. GMLRS Alternative Warhead (AW) was developed as a non-cluster munition to engage area or imprecisely located targets. GMLRS Unitary and AW are currently in full rate production. An Engineering Change Proposal (ECP) is currently in process to extend the range of GMLRS rockets and, upon completion of key qualification tests, the Extended Range GMLRS (ER GMLRS) will be cut-in to the GMLRS production contract in FY 2024.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	
Army	Quantity	6,804	5,910	5,016	-	5,016	7,518	7,656	7,524	7,578
	Total Obligation Authority	1,130.519	1,312.028	942.280	-	942.280	1,214.127	1,321.161	1,254.264	1,336.417
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	<b>6,804</b>	<b>5,910</b>	<b>5,016</b>	<b>-</b>	<b>5,016</b>	<b>7,518</b>	<b>7,656</b>	<b>7,524</b>	<b>7,578</b>
	<b>Total Obligation Authority</b>	<b>1,130.519</b>	<b>1,312.028</b>	<b>942.280</b>	<b>-</b>	<b>942.280</b>	<b>1,214.127</b>	<b>1,321.161</b>	<b>1,254.264</b>	<b>1,336.417</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/  
Assault Missile Sys **P-1 Line Item Number / Title:**  
6005C64400 / Guided MLRS Rocket (GMLRS)

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0603778A, 0205778A

**Line Item MDAP/MAIS Code:** 260

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	C65404 / GUIDED MLRS ROCKET (GMLRS)	P-5a, P-21			56,026 / 7,342.565	6,804 / 1,130.030	5,910 / 1,312.028	5,016 / 886.367	- / -	5,016 / 886.367
P-5	C65406 / GMLRS Training Devices				- / 4.013	- / 0.489	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>56,026 / 7,346.578</b>	<b>6,804 / 1,130.519</b>	<b>5,910 / 1,312.028</b>	<b>5,016 / 886.367</b>	<b>- / -</b>	<b>5,016 / 886.367</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 Base procurement dollars in the amount of \$881.847 million supports the procurement of 4,992 rockets. FY 2024 OOC dollars in the amount of \$4.520M supports the procurement of 24 rockets. The actual missile buy quantities are subject to the mix between AW and Unitary warheads, Standard (regular range) versus Extended Range configurations, replacement pod cut-in, and replacement pod/Extended Range ECP production capacity ramp-up. In FY 2024, Army guidance is to procure 4,896 Standard Alternative Warhead (AW), and 120 ER GMLRS Alternative Warhead in support of the Army's Total Munitions Requirement (TMR). The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to support procurement of additional GMLRS rockets.

The Army is exploring the feasibility of a four-year Multi-Year Procurement (MYP) contract. The Request for Proposal (RFP) would be planned to be released at an annual quantity floor of 4,500 standard range GMLRS rockets. If a Multi Year Procurement Acquisition path is selected, FY 2024 Advance Procurement dollars in the amount of \$55.913 million support the procurement of long lead items for GMLRS production in FY 2025.

Funding decrease from FY 2023 to FY 2024 due to reduction in quantities to be procured. As of 17 June 2022, the TMR showed requirements for Unitary of 20,756; for AW of 47,568; and for ER GMLRS with AW of 7,887. TMR quantities are evaluated and adjusted annually.

Since program inception, GMLRS has benefited from the availability of M26 pods repurposed for production of standard range GMLRS. Due to dwindling supply of these pods, procurement of replacement pods begins in FY 2023 and continues thereafter.

The AAO is 140,004.

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**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)	<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<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)				56,026	6,804	5,910	5,016	-	5,016
Gross/Weapon System Cost (\$ in Millions)				7,342.565	1,130.030	1,312.028	886.367	-	886.367
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				7,342.565	1,130.030	1,312.028	886.367	-	886.367
Plus CY Advance Procurement (\$ in Millions)				-	-	-	55.913	-	55.913
<b>Total Obligation Authority (\$ in Millions)</b>				<b>7,342.565</b>	<b>1,130.030</b>	<b>1,312.028</b>	<b>942.280</b>	<b>-</b>	<b>942.280</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				131.056	166.083	222.001	176.708	-	176.708

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Tactical GMLRS Hardware <sup>(†)</sup>	118.006	56,026	6,611.404	148.894	6,804	1,013.075	148.358	6,882	1,021.000	-	-	-	-	-	-	-	-	-
GMLRS Rocket Summary <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	143.396	5,016	719.274	-	-	-	143.396	5,016	719.274
Launch Pod Container- Standard Range Build to Print Pod	-	-	-	-	-	-	-	-	-	69.966	816	57.092	-	-	-	69.966	816	57.092
Launch Pod Container- Extended Range Pod	-	-	-	-	-	-	-	-	-	210.500	20	4.210	-	-	-	210.500	20	4.210
Production Support	-	-	-	-	-	-	-	-	-	-	-	43.920	-	-	-	-	-	43.920
Ind Maint/Init Prod Fac	-	-	130.143	-	-	55.905	-	-	238.000	-	-	-	-	-	-	-	-	-
Production Verification Testing	-	-	137.323	-	-	7.356	-	-	5.212	-	-	4.506	-	-	-	-	-	4.506
First Destination Transportation	-	-	7.295	-	-	0.649	-	-	0.872	-	-	0.584	-	-	-	-	-	0.584
Production Engineering Support	-	-	224.736	-	-	15.367	-	-	11.895	-	-	12.133	-	-	-	-	-	12.133
Spares	-	-	2.912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>7,113.813</i>	<i>-</i>	<i>-</i>	<i>1,092.352</i>	<i>-</i>	<i>-</i>	<i>1,276.979</i>	<i>-</i>	<i>-</i>	<i>841.719</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>841.719</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	<i>7,113.813</i>	<i>-</i>	<i>-</i>	<i>1,092.352</i>	<i>-</i>	<i>-</i>	<i>1,276.979</i>	<i>-</i>	<i>-</i>	<i>841.719</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>841.719</i>



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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30						<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)						<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Software Support	-	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
<i>Subtotal: Software Cost</i>	-	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	124.060	-	-	32.587	-	-	30.494	-	-	35.901	-	-	-	-	-	35.901
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	124.060	-	-	32.587	-	-	30.494	-	-	35.901	-	-	-	-	-	35.901
Support - Program Management Cost																		
Government Management	-	-	104.717	-	-	5.093	-	-	4.556	-	-	4.647	-	-	-	-	-	4.647
<i>Subtotal: Support - Program Management Cost</i>	-	-	104.717	-	-	5.093	-	-	4.556	-	-	4.647	-	-	-	-	-	4.647
<b>Gross/Weapon System Cost</b>	<b>131.056</b>	<b>56,026</b>	<b>7,342.565</b>	<b>166.083</b>	<b>6,804</b>	<b>1,130.030</b>	<b>222.001</b>	<b>5,910</b>	<b>1,312.028</b>	<b>176.708</b>	<b>5,016</b>	<b>886.367</b>	-	-	-	<b>176.708</b>	<b>5,016</b>	<b>886.367</b>

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

Cost Element Breakout	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
GMLRS Rocket Summary	-	-	-	-	-	-	-	-	-	143.396	5,016	719.274	-	-	-	143.396	5,016	719.274
Standard Range GMLRS AW	-	-	-	-	-	-	-	-	-	133.691	4,896	654.551	-	-	-	133.691	4,896	654.551
Extended Range GMLRS AW	-	-	-	-	-	-	-	-	-	539.356	120	64.723	-	-	-	539.356	120	64.723

**Remarks:**  
 NOTE: The P-40 quantity and unit cost for FY 2023 is inaccurate. The FY 2023 quantity is 6,882; the FY 2023 unit cost in \$148.358, quantity increased due to addition of supplemental funding (reflected in budget above, \$1,312.028M TOA).

In past years, the GMLRS program repurposed freely available M26 pods for GMLRS production. The FY 2023 Lot Buy contract is the first year that shall incorporate the production of new Launch Pod Containers (LPCs) for the standard range GMLRS program vice making use of those repurposed M26 pods.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)	<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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In addition, a manufactured LPC for ER GMLRS is also required. The LPC for ER GMLRS accommodates the larger diameter and heavier ER GMLRS rocket and is not the same as the LPC used for Standard Range GMLRS. Because the requirement for manufactured LPCs represents a significant and ongoing cost, this P-Form submission adds LPCs as a new category of recurring cost. In addition, production of the more expensive ER GMLRS variant contributes to an increased unit cost in FY 2024.

Costs for Industrial Maintenance / Initial Production Facilities in FY 2023 in the amount of \$238M will be used to increase GMLRS total annual production capacity to 14,004 rockets.

In order to provide greater insight into other recurring costs, Production Support and Software Support have also been added as new categories.

Costs for Engineering Change Proposals covers activities associated with resolving manufacturing-related changes that arise due to emerging statutory and regulatory requirements, planned and unplanned parts unavailability, supply chain disruptions, cost reduction initiatives, quality improvement, and studies and investigations. The increase in ECP costs is due to the need to address guidance set obsolescence through a refresh to the receiver, followed by a transition to an M-Code based replacement. ECP funds in FY 2024 support activities to complete M-Code Guidance Set (MGS) system CDR.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	6,804	5,910	5,016	-	5,016
	Total Obligation Authority	1,130.030	1,312.028	942.280	-	942.280
<b>Total:</b>	<b>Quantity</b>	<b>6,804</b>	<b>5,910</b>	<b>5,016</b>	<b>-</b>	<b>5,016</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>1,130.030</b>	<b>1,312.028</b>	<b>942.280</b>	<b>-</b>	<b>942.280</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30			<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)				<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)					

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Tactical GMLRS Hardware		2021	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FPIF	Aviation and Missile Command	Mar 2021	Aug 2022	6,018	142.564	N		May 2019
Tactical GMLRS Hardware		2022	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Mar 2022	Aug 2023	6,804	148.894	N		May 2019
Tactical GMLRS Hardware		2023	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Mar 2023	Aug 2024	6,882	148.358	N		Feb 2022
GMLRS Rocket Summary <sup>(†)</sup>		2024	Lockheed Martin M.&F.C Sys. / Dallas, TX	SS / FFP	Aviation and Missile Command	Mar 2024	Aug 2025	5,016	143.396	N		Feb 2022

(†) indicates the presence of a P-21

**Remarks:**

Lockheed Martin is currently the industry source that is both facilitated and qualified to produce the GMLRS rocket.  
FY 2024 annual production is planned to be a delivery order against the FY 2023 base contract. The contract can modified if given MYP authority.

\*Sole Source/Fixed Price Incentive Firm

\*\*Aviation and Missile Command, Redstone Arsenal, Alabama

\*\*\*Sole Source/Firm Fixed Price

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
		<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2021														Fiscal Year 2022														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
GMLRS Rocket Summary																																			
1		2024	ARMY	5.016	.000	5.016																							5.016						
1		2024	FMS (†)	8.940	.000	8.940																							8.940						
1		2024	MC (†)	.048	.000	.048																							.048						
1		2024	<b>Total</b>	<b>14.004</b>	<b>.000</b>	<b>14.004</b>																							<b>14.004</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 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
		<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

Cost Elements <i>(Units in Thousands)</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
GMLRS Rocket Summary																															
	1	2024	ARMY	5.016	.000	5.016	-	-	-	-	-	-	-	-	-	.414	.420	.420	.414	.420	.420	.414	.420	.420	.414	.420	.420		.000		
	1	2024	FMS (†)	8.940	.000	8.940	-	-	-	-	-	-	-	-	-	.750	.744	.744	.744	.744	.744	.744	.744	.744	.744	.744	.750		.000		
	1	2024	MC (†)	.048	.000	.048	-	-	-	-	-	-	-	-	-	.006	.006	.006	-	.006	-	.006	-	.006	-	.006		.000			
	1	2024	<b>Total</b>	<b>14.004</b>	<b>.000</b>	<b>14.004</b>	-	-	-	-	-	-	-	-	-	<b>1.170</b>	<b>1.170</b>	<b>1.170</b>	<b>1.158</b>	<b>1.170</b>	<b>1.164</b>	<b>1.164</b>	<b>1.164</b>	<b>1.170</b>	<b>1.158</b>	<b>1.170</b>	<b>1.176</b>	-	<b>.000</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 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
		<b>Item Number / Title [DODIC]:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

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 M.&F.C Sys. - Dallas, TX	2,400	14,004	14,004	0	2	16	18	0	5	15	20

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

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

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)	<b>Item Number / Title [DODIC]:</b> C65406 / GMLRS Training Devices
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	4.013	0.489	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	4.013	0.489	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>4.013</b>	<b>0.489</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 Thousands)</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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
GMLRS TRAINING DEVICES	-	-	4.013	-	-	0.489	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	4.013	-	-	0.489	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	4.013	-	-	0.489	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	4.013	-	-	0.489	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	0.489	-	-	-	-
<b>Total: Secondary Distribution</b>					
Quantity	-	-	-	-	-
Total Obligation Authority	0.489	-	-	-	-



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
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<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0603778A, 0205778A
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**Line Item MDAP/MAIS Code:** 260

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> )	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	-	<b>55.913</b>	-	<b>55.913</b>	-	-	-	-	<b>Continuing</b>	<b>Continuing</b>

**Description:**

Guided Multiple Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. The U.S. Marine Corps also procures GMLRS rockets through the Army project office.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)
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<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0603778A, 0205778A
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**Line Item MDAP/MAIS Code:** 260

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	C65404 / GUIDED MLRS ROCKET (GMLRS)			56,026 / -	6,804 / -	5,910 / -	5,016 / 55.913	- / -	5,016 / 55.913
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>56,026 / -</b>	<b>6,804 / -</b>	<b>5,910 / -</b>	<b>5,016 / 55.913</b>	<b>- / -</b>	<b>5,016 / 55.913</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:**

FY 2024 Advance Procurement dollars in the amount of \$55.913 million support the procurement of long lead items for GMLRS rockets in FY 2025.

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

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):</b> PB 2024 Army					<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30		<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)			<b>P-5 Number / Title:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)	
<b>First System (2024) Award Date:</b> March 2024		<b>First System (2024) Completion Date:</b> August 2025			<b>Interval Between Systems:</b> Months	
<b>GUIDED MLRS ROCKET (GMLRS)</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			56,026	6,804	5,910	5,016
<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>CFE</b>						
IMPS Motor LL Items		-	-	-	-	39.740
Guidance Set LL Items		-	-	-	-	0.008
Payload Electronics LL Items		-	-	-	-	11.260
Control Actuation System LL Items		-	-	-	-	4.905
<i>Total: CFE</i>			-	-	-	55.913
<b>Total Advance Procurement/Obligation Authority</b>			-	-	-	<b>55.913</b>

**UNCLASSIFIED**

<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6005C64400 / Guided MLRS Rocket (GMLRS)	<b>P-5 Number / Title:</b> C65404 / GUIDED MLRS ROCKET (GMLRS)

Cost Elements	QPA <i>(Each)</i>	FY 2024					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	
<b>CFE</b>							
IMPS Motor LL Items	1					2025	39.740
Guidance Set LL Items	1					2025	0.008
Payload Electronics LL Items	1					2025	11.260
Control Actuation System LL Items	1					2025	4.905
<i>Total: CFE</i>							55.913
<b>Total Advance Procurement/Obligation Authority</b>							<b>55.913</b>

**Description:**  
Advance Procurement funding in FY 2024 procures long lead (LL) items to support the GMLRS FY 2025 Production Lot.

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/  
Assault Missile Sys **P-1 Line Item Number / Title:**  
6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0210602A

**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> )	57,171	3,648	228	366	-	366	1,434	1,530	1,512	1,482	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	361.719	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	361.719	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>361.719</b>	<b>29.574</b>	<b>4.354</b>	<b>10.334</b>	<b>-</b>	<b>10.334</b>	<b>30.171</b>	<b>32.375</b>	<b>32.419</b>	<b>32.452</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	6.327	8.107	19.096	28.235	-	28.235	21.040	21.160	21.441	21.897	Continuing	Continuing

**Description:**

The Multiple Launch Rocket System (MLRS) Low Cost Reduced Range Practice Rocket (LCRRPR) is the only live training rocket that meets the annual certification and pre-deployment requirements for Active and National Guard High Mobility Artillery Rocket System (HIMARS) and M270/M270A1 MLRS launcher units. The critical validated requirement for launcher units ensures units can achieve and maintain combat readiness. HIMARS and M270A1 Battalions are organic and attached to modular Fires Brigades supporting Brigade Combat Teams (BCTs), Joint Expeditionary Force, and Joint Special Operations Force combatant commanders. The training rocket has an inert payload section and blunt nose for inducing reduced range for use at multiple facilities in the United States and foreign countries.

Capabilities exist to produce LCRRPRs at both Lockheed Martin in Camden, Arkansas and Letterkenny Munitions Center (LEMC) in Chambersburg, Pennsylvania production facilities. Lockheed Martin will be the sole producer of LCRPPR in FY 2023 and FY 2024. The LCRRPR program includes the cost to Download/Demate (DL/DM) the M26 pod and rocket motor for production reuse. Total cost also includes Bunker Storage and the procurement of Performance Oriented Packaging (POP) boxes, Inert Warheads, Reworked Igniters, M-26 Rocket Motor Reclamation contract, and RRPR obsolescence.

The Army has benefited from the reuse of M26 Launch Pod Containers (LPC) since the onset of LCRRPR production. Starting in FY 2024 the Army will procure a manufactured new build LPC.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	2,436	168	264	-	264	1,092	1,194	1,182	1,158
	Total Obligation Authority	19.772	3.178	7.566	-	7.566	22.983	25.312	25.355	25.388
ANG	Quantity	1,212	60	102	-	102	342	336	330	324
	Total Obligation Authority	9.802	1.176	2.768	-	2.768	7.188	7.063	7.064	7.064
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	<b>3,648</b>	<b>228</b>	<b>366</b>	<b>-</b>	<b>366</b>	<b>1,434</b>	<b>1,530</b>	<b>1,512</b>	<b>1,482</b>
	<b>Total Obligation Authority</b>	<b>29.574</b>	<b>4.354</b>	<b>10.334</b>	<b>-</b>	<b>10.334</b>	<b>30.171</b>	<b>32.375</b>	<b>32.419</b>	<b>32.452</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys **P-1 Line Item Number / Title:** 6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0210602A

**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	C65405 / MLRS Reduced Range Practice Rockets (RRPR)	P-5a			57,171 / 361.719	3,648 / 29.574	228 / 4.354	366 / 10.334	- / -	366 / 10.334
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>57,171 / 361.719</b>	<b>3,648 / 29.574</b>	<b>228 / 4.354</b>	<b>366 / 10.334</b>	<b>- / -</b>	<b>366 / 10.334</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:**  
 FY 2024 Base procurement dollars in the amount of \$10.334 million support the procurement of 366 LCRRPRs which are required to maintain the practice rocket inventory for Standards in Training Commission (STRC) requirements. In order to ensure ongoing capacity of the industrial base, all FY 2024 production will take place at Lockheed Martin. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to support procurement of additional LCRRPR rockets.

Funding increase from FY 2023 to FY 2024 due to an increase in quantities to be procured.

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

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>													<b>Date:</b> March 2023								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30						<b>P-1 Line Item Number / Title:</b> 6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)						<b>Item Number / Title [DODIC]:</b> C65405 / MLRS Reduced Range Practice Rockets (RRPR)									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :									<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)				57,171			3,648			228			366			-			366		
Gross/Weapon System Cost (\$ in Millions)				361.719			29.574			4.354			10.334			-			10.334		
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Net Procurement (P-1) (\$ in Millions)				361.719			29.574			4.354			10.334			-			10.334		
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
<b>Total Obligation Authority (\$ in Millions)</b>				<b>361.719</b>			<b>29.574</b>			<b>4.354</b>			<b>10.334</b>			<b>-</b>			<b>10.334</b>		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																					
Initial Spares (\$ in Millions)				-			-			-			-			-			-		
Gross/Weapon System Unit Cost (\$ in Thousands)				6.327			8.107			19.096			28.235			-			28.235		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</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>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>			
Flyaway Cost																					
Recurring Cost																					
Reduced Range Practice Rocket (LCRRPR) <sup>(f)</sup>	5.112	57,171	292.259	6.346	3,648	23.150	7.623	228	1.738	7.678	366	2.810	-	-	-	7.678	366	2.810			
Launch Pod Container - Build to Print Pod	-	-	-	-	-	-	-	-	-	75.754	61	4.621	-	-	-	75.754	61	4.621			
Warheads Govt Furnished Equip (GFE)	-	-	26.598	-	-	3.453	-	-	0.220	-	-	0.360	-	-	-	-	-	0.360			
Production Verification Testing	-	-	3.795	-	-	0.216	-	-	0.220	-	-	0.225	-	-	-	-	-	0.225			
First Destination Transportation	-	-	1.520	-	-	0.259	-	-	0.017	-	-	0.028	-	-	-	-	-	0.028			
Production Engineering Support	-	-	19.166	-	-	1.853	-	-	1.503	-	-	1.621	-	-	-	-	-	1.621			
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>343.338</b>	<b>-</b>	<b>-</b>	<b>28.931</b>	<b>-</b>	<b>-</b>	<b>3.698</b>	<b>-</b>	<b>-</b>	<b>9.665</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9.665</b>			
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>343.338</b>	<b>-</b>	<b>-</b>	<b>28.931</b>	<b>-</b>	<b>-</b>	<b>3.698</b>	<b>-</b>	<b>-</b>	<b>9.665</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9.665</b>			
Support - Production Engineering Cost																					
Production Engineering	-	-	6.774	-	-	0.545	-	-	0.556	-	-	0.567	-	-	-	-	-	0.567			
<b>Subtotal: Support - Production Engineering Cost</b>	<b>-</b>	<b>-</b>	<b>6.774</b>	<b>-</b>	<b>-</b>	<b>0.545</b>	<b>-</b>	<b>-</b>	<b>0.556</b>	<b>-</b>	<b>-</b>	<b>0.567</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.567</b>			
Support - Program Management Cost																					

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)	<b>Item Number / Title [DODIC]:</b> C65405 / MLRS Reduced Range Practice Rockets (RRPR)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	11.607	-	-	0.098	-	-	0.100	-	-	0.102	-	-	-	-	-	0.102
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>11.607</b>	-	-	<b>0.098</b>	-	-	<b>0.100</b>	-	-	<b>0.102</b>	-	-	-	-	-	<b>0.102</b>
<b>Gross/Weapon System Cost</b>	<b>6.327</b>	<b>57,171</b>	<b>361.719</b>	<b>8.107</b>	<b>3,648</b>	<b>29.574</b>	<b>19.096</b>	<b>228</b>	<b>4.354</b>	<b>28.235</b>	<b>366</b>	<b>10.334</b>	-	-	-	<b>28.235</b>	<b>366</b>	<b>10.334</b>

**Remarks:**  
Actual quantity of new build LPCs required to support FY 2024 RRPR production depends on washout rate of M26 Pods used in current production. Quantity reflected in FY 2024 on this P-Form assumes worst-case scenario (i.e., high M26 washout rate) necessitating FY 2024 Cut-In of new build LPCs. In the event that fewer new builds LPCs are required than is reflected in this P-Form, the Army intends to procure additional RRPR Pods to support STRC requirements.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	2,436	168	264	-	264
	Total Obligation Authority	19.772	3.178	7.566	-	7.566
ANG	Quantity	1,212	60	102	-	102
	Total Obligation Authority	9.802	1.176	2.768	-	2.768
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>3,648</b>	<b>228</b>	<b>366</b>	-	<b>366</b>
	<b>Total Obligation Authority</b>	<b>29.574</b>	<b>4.354</b>	<b>10.334</b>	-	<b>10.334</b>

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



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)	<b>Item Number / Title [DODIC]:</b> C65405 / MLRS Reduced Range Practice Rockets (RRPR)
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Reduced Range Practice Rocket (LCRRPR)		2021	Lockheed Martin / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Mar 2021	Aug 2022	2,022	8.990	Y		Feb 2020
Reduced Range Practice Rocket (LCRRPR)		2021	Letterkenny Munitions Center / Chambersburg, PA	MIPR	LEMC, PA	Mar 2021	Apr 2022	1,968	6.430	Y		
Reduced Range Practice Rocket (LCRRPR)		2022	Lockheed Martin / Dallas, TX	SS / IDIQ	AMCOM, RSA, AL	Mar 2022	Aug 2023	1,680	9.430	Y		Feb 2020
Reduced Range Practice Rocket (LCRRPR)		2022	Letterkenny Munitions Center / Chambersburg, PA	MIPR	LEMC, PA	Mar 2022	Apr 2023	1,968	6.230	Y		
Reduced Range Practice Rocket (LCRRPR)		2023	Lockheed Martin / Dallas, TX	SS / IDIQ	AMCOM, RSA, AL	Mar 2023	Apr 2024	228	7.623	Y		
Reduced Range Practice Rocket (LCRRPR)		2024	Lockheed Martin / Dallas, TX	SS / IDIQ	AMCOM, RSA, AL	Mar 2024	Apr 2025	366	7.678	Y		

**Remarks:**  
Lockheed Martin is currently the industry source that is both facilitized and qualified to produce the Low Cost Reduced Range Practice Rocket (LCRRPR). Letterkenny Munitions Center (LEMC) has been established as the organic source that is both facilitized and qualified to produce the LCRRPR.

\* SS (Sole Source) / FPIF (Fixed Price Incentive Firm)  
\*\* AMCOM (Aviation and Missile Command), RSA (Redstone Arsenal), AL

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)
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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> 0210608A, 0603778A
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**Line Item MDAP/MAIS Code:** 367

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> )	421	56	23	28	-	28	26	20	20	20	-	614
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,077.992	599.849	155.705	179.230	-	179.230	170.060	131.799	131.976	132.112	-	3,578.723
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,077.992	599.849	155.705	179.230	-	179.230	170.060	131.799	131.976	132.112	-	3,578.723
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,077.992</b>	<b>599.849</b>	<b>155.705</b>	<b>179.230</b>	<b>-</b>	<b>179.230</b>	<b>170.060</b>	<b>131.799</b>	<b>131.976</b>	<b>132.112</b>	<b>-</b>	<b>3,578.723</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	4,935.848	10,711.589	6,769.783	6,401.071	-	6,401.071	6,540.769	6,589.950	6,598.800	6,605.600	-	5,828.539

**Description:**

The M142 High Mobility Artillery Rocket System (HIMARS) launcher is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system. HIMARS launchers support the Army's number one priority modernization effort, Long Range Precision Fires. HIMARS provides critical missile precision strike, operational shaping fires, counter-fire, and close support destructive and suppressive fires. HIMARS is a C-130 or C-17 transportable, wheeled, indirect fire, rocket/missile launcher capable of firing one pod of precision rockets/missiles from the current and future Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), to include the Guided Multiple Launch Rocket System (GMLRS), Extended Range (ER) GMLRS, the Army Tactical Missile System (ATACMS), and the Precision Strike Missile in support of Integrated Fires and Multi-Domain Operations.

The Army Acquisition Objective is 519. The Army plans to procure beyond AAO in support of increased force structure.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	56	22	28	-	28	26	20	20
	Total Obligation Authority	599.849	148.935	179.230	-	179.230	170.060	131.799	131.976
ANG	Quantity	-	1	-	-	-	-	-	-
	Total Obligation Authority	-	6.770	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>56</b>	<b>23</b>	<b>28</b>	<b>-</b>	<b>28</b>	<b>26</b>	<b>20</b>	<b>20</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>599.849</b>	<b>155.705</b>	<b>179.230</b>	<b>-</b>	<b>179.230</b>	<b>170.060</b>	<b>131.799</b>	<b>131.976</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/  
Assault Missile Sys **P-1 Line Item Number / Title:**  
6200C02901 / High Mobility Artillery Rocket System (HIMARS)

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0210608A, 0603778A

**Line Item MDAP/MAIS Code:** 367

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	C03000 / HIMARS LAUNCHER	P-5a, P-21			421 / 2,077.992	56 / 599.849	23 / 155.705	28 / 179.230	- / -	28 / 179.230
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>421 / 2,077.992</b>	<b>56 / 599.849</b>	<b>23 / 155.705</b>	<b>28 / 179.230</b>	<b>- / -</b>	<b>28 / 179.230</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:**

FY 2024 Base procurement dollars in the amount of \$179.230 million procures 28 M142 HIMARS launchers and associated equipment. The synergy of foreign military sales and the increased production capacity contributes to a decreased launcher unit cost. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or foreign military sales to support additional HIMARS launchers and Fleet Expansion.

HIMARS funding increases (\$23.525 million) from FY 2023 to FY 2024 and procures one additional HIMARS Launchers and the increase to FY 2024 Fielding Support cost element. The program office deferred buying spares in FY 2022 - FY 2023 to achieve better launcher unit pricing. In FY 2024 fielding support was added (resulting in a \$12.209M increase) to purchase five initial spares in support of fielded launchers (consisting of Authorized Allowance List/Components of End Item, Long Range Communications, Single Channel Ground Air Radio, Missile Launcher Pod Assembly, and Launcher System Support Device).

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-5, Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)	<b>Item Number / Title [DODIC]:</b> C03000 / HIMARS LAUNCHER
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**ID Code** (A=Service Ready, B=Not Service Ready) : **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)	421	56	23	28	-	28
Gross/Weapon System Cost (\$ in Millions)	2,077.992	599.849	155.705	179.230	-	179.230
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,077.992	599.849	155.705	179.230	-	179.230
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,077.992</b>	<b>599.849</b>	<b>155.705</b>	<b>179.230</b>	<b>-</b>	<b>179.230</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 Thousands)	4,935.848	10,711.589	6,769.783	6,401.071	-	6,401.071

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Flyaway Cost</b>																		
Recurring Cost																		
Launcher <sup>(†)</sup>	3,163.988	420	1,328.875	7,302.871	56	408.961	5,624.826	23	129.371	4,901.857	28	137.252	-	-	-	4,901.857	28	137.252
Carrier	8,494.792	24	203.875	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Facilitization	-	-	-	-	-	29.300	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>1,532.750</b>	<b>-</b>	<b>-</b>	<b>438.261</b>	<b>-</b>	<b>-</b>	<b>129.371</b>	<b>-</b>	<b>-</b>	<b>137.252</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>137.252</b>
Non Recurring Cost																		
European Deterrence Initiative Production Restart - Obsolescence Mitigation	-	-	74.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>74.400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>1,607.150</b>	<b>-</b>	<b>-</b>	<b>438.261</b>	<b>-</b>	<b>-</b>	<b>129.371</b>	<b>-</b>	<b>-</b>	<b>137.252</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>137.252</b>
<b>Hardware Cost</b>																		
Non Recurring Cost																		
CFCS Obsolescence Mitigation	-	-	-	-	-	41.998	-	-	-	-	-	-	-	-	-	-	-	-
Spares Replacement	-	-	-	-	-	38.971	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>80.969</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Subtotal: Hardware Cost</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>80.969</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30						<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)						<b>Item Number / Title [DODIC]:</b> C03000 / HIMARS LAUNCHER					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Vehicles Cost</b>																		
<b>Non Recurring Cost</b>																		
National Advanced Surface to Air Missile System (NASAMS)	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Vehicles Cost</b>	-	-	<b>10.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Fielding Cost</b>																		
Fielding	-	-	78.187	-	-	22.263	-	-	6.635	-	-	18.844	-	-	-	-	-	18.844
<i>Subtotal: Support - Fielding Cost</i>	-	-	<b>78.187</b>	-	-	<b>22.263</b>	-	-	<b>6.635</b>	-	-	<b>18.844</b>	-	-	-	-	-	<b>18.844</b>
<b>Support - Operational/Site Activation Cost</b>																		
System Assembly, Installation and Checkout on Site	-	-	28.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Operational/Site Activation Cost</i>	-	-	<b>28.410</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Peculiar Support Equipment Cost</b>																		
Support and Handling Equipment	-	-	41.299	-	-	10.982	-	-	3.032	-	-	3.929	-	-	-	-	-	3.929
<i>Subtotal: Support - Peculiar Support Equipment Cost</i>	-	-	<b>41.299</b>	-	-	<b>10.982</b>	-	-	<b>3.032</b>	-	-	<b>3.929</b>	-	-	-	-	-	<b>3.929</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	121.322	-	-	39.369	-	-	11.811	-	-	14.191	-	-	-	-	-	14.191
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>121.322</b>	-	-	<b>39.369</b>	-	-	<b>11.811</b>	-	-	<b>14.191</b>	-	-	-	-	-	<b>14.191</b>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	26.849	-	-	3.303	-	-	3.369	-	-	3.436	-	-	-	-	-	3.436
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>26.849</b>	-	-	<b>3.303</b>	-	-	<b>3.369</b>	-	-	<b>3.436</b>	-	-	-	-	-	<b>3.436</b>
<b>Support - System Engineering Cost</b>																		
System Engineering	-	-	130.846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Engineering Cost</i>	-	-	<b>130.846</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - System Test and Evaluation Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30						<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)						<b>Item Number / Title [DODIC]:</b> C03000 / HIMARS LAUNCHER					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Test and Evaluation Support	-	-	33.929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	<b>33.929</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Training Cost																		
Services	-	-	-	-	-	4.702	-	-	1.487	-	-	1.578	-	-	-	-	-	1.578
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	<b>4.702</b>	-	-	<b>1.487</b>	-	-	<b>1.578</b>	-	-	-	-	-	<b>1.578</b>
<b>Gross/Weapon System Cost</b>	<b>4,935.848</b>	<b>421</b>	<b>2,077.992</b>	<b>10,711.589</b>	<b>56</b>	<b>599.849</b>	<b>6,769.783</b>	<b>23</b>	<b>155.705</b>	<b>6,401.071</b>	<b>28</b>	<b>179.230</b>	-	-	-	<b>6,401.071</b>	<b>28</b>	<b>179.230</b>

**Remarks:**

In FY 2024 fielding support was added (resulting in a \$12.209M increase) to purchase the addition of five required spares assets for new HIMARS launchers (consisting of Authorized Allowance List/Components of End Item, Long Range Communications, Single Channel Ground Air Radio, Missile Launcher Pod Assembly, and Launcher System Support Device).

The FY 2023 to FY 2024 Production Engineering increase of \$2.380M is due to the production increase of launchers and related engineering efforts associated with ongoing production.

The FY 2022 and FY 2024 flyaway unit cost deltas within C02901 is driven by a difference in launcher procurement quantities. The FY 2022 flyaway unit cost (as shown on the PB23 P-Form) was originally based on a total procurement quantity of 20 launchers; however, the FY 2022 updated flyaway unit cost (as shown on the PB24 P-Form) is based on the procurement of 42 additional Tranche-funded launchers. The FY 2024 flyaway unit cost is based on a projected total procurement quantity of 96 launchers (lower unit cost for US Army based on synergy realized from foreign partners procurement of HIMARS).

In FY 2023 the Army Budget Office (ABO) will move \$41.998M from HIMARS Launcher Procurement (C02901) to HIMARS Mods (C67501).

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	56	22	28	-	28
	Total Obligation Authority	599.849	148.935	179.230	-	179.230
ANG	Quantity	-	1	-	-	-
	Total Obligation Authority	-	6.770	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>56</b>	<b>23</b>	<b>28</b>	<b>-</b>	<b>28</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>599.849</b>	<b>155.705</b>	<b>179.230</b>	<b>-</b>	<b>179.230</b>

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

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)	<b>Item Number / Title [DODIC]:</b> C03000 / HIMARS LAUNCHER
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Launcher <sup>(†)</sup>		2019	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FPIF	Aviation & Missile Command	Jul 2019	Dec 2021	17	7,609.353	N		Jan 2019
Launcher <sup>(†)</sup>		2021	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FPIF	Aviation & Missile Command	Jul 2021	Oct 2023	4	5,430.250	N		Jan 2019
Launcher <sup>(†)</sup>		2022	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FPIF	Aviation & Missile Command	Apr 2022	Jun 2024	56	7,302.871	N		Jan 2021
Launcher <sup>(†)</sup>		2023	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FPIF	Aviation & Missile Command	Apr 2023	Feb 2025	23	5,624.826	N		Jan 2021
Launcher <sup>(†)</sup>		2024	Lockheed Martin M. F. C. Sys / Dallas Texas	SS / FPIF	Aviation & Missile Command	Apr 2024	Oct 2025	28	4,901.857	N		Jan 2023

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

**Remarks:**

US Army had no funding for Army HIMARS launcher procurement in FY 2020, however there are 10 USMC HIMARS launchers and 18 FMS HIMARS launchers being produced by the prime contractor with no breaks in production. Due to a unique limitation with the Army's budget justification database, only rows that have a matching US ARMY manufacturer and FY will appear on the budget justification document.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 6200C02901 / High Mobility Artillery Rocket System (HIMARS) **Item Number / Title [DODIC]:** C03000 / HIMARS LAUNCHER

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019												Fiscal Year 2020												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Launcher																															
Prior Years Deliveries: 399																															
	1	2019	ARMY	17	0	17																									
	1	2019	FMS (†)	38	0	38																									
	1	2019	MC (†)	10	0	10																									
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>65</b>	<b>0</b>	<b>65</b>																									
	1	2021	ARMY	4	0	4																									
	1	2021	FMS (†)	11	0	11																									
	1	2021	MC (†)	6	0	6																									
	<b>1</b>	<b>2021</b>	<b>Total</b>	<b>21</b>	<b>0</b>	<b>21</b>																									
	1	2022	ARMY	56	0	56																									
	1	2023	ARMY	23	0	23																									
	1	2024	ARMY	28	0	28																									
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 6200C02901 / High Mobility Artillery Rocket System (HIMARS) **Item Number / Title [DODIC]:** C03000 / HIMARS LAUNCHER

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					
Launcher																																			
Prior Years Deliveries: 399																																			
1	2019	ARMY	17	0	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	2	2	2	3	-	-	-	-	0				
1	2019	FMS (†)	38	0	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	4	-	29				
1	2019	MC (†)	10	0	10	-	-	-	-	-	-	-	-	-	1	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
<b>1</b>	<b>2019</b>	<b>Total</b>	<b>65</b>	<b>0</b>	<b>65</b>	-	-	-	-	-	-	-	-	-	<b>1</b>	<b>5</b>	<b>4</b>	-	-	<b>6</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>4</b>	-	<b>29</b>					
1	2021	ARMY	4	0	4											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
1	2021	FMS (†)	11	0	11											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11				
1	2021	MC (†)	6	0	6											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6				
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>21</b>	<b>0</b>	<b>21</b>											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>21</b>				
1	2022	ARMY	56	0	56																										56				
1	2023	ARMY	23	0	23																										23				
1	2024	ARMY	28	0	28																										28				

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 6200C02901 / High Mobility Artillery Rocket System (HIMARS) **Item Number / Title [DODIC]:** C03000 / HIMARS LAUNCHER

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					
Launcher																																			
Prior Years Deliveries: 399																																			
	1	2019	ARMY	17	17	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0						
	1	2019	FMS (†)	38	9	29	-	2	4	4	4	4	4	4	4	3													0						
	1	2019	MC (†)	10	10	0	-	-	-	-	-	-	-	-	-														0						
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>65</b>	<b>36</b>	<b>29</b>	-	<b>2</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
	1	2021	ARMY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	0						
	1	2021	FMS (†)	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	3	3				0						
	1	2021	MC (†)	6	0	6	-	-	-	-	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-	-	0						
	<b>1</b>	<b>2021</b>	<b>Total</b>	<b>21</b>	<b>0</b>	<b>21</b>	-	-	-	-	-	-	-	-	-	-	<b>4</b>	<b>4</b>	<b>2</b>	-	-	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	-	-	-	<b>0</b>						
	1	2022	ARMY	56	0	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	36					
	1	2023	ARMY	23	0	23											A	-	-	-	-	-	-	-	-	-	-	-	23						
	1	2024	ARMY	28	0	28																							28						
							O C T	N O V	D E C	J A N	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 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A / 02 / 30 **P-1 Line Item Number / Title:** 6200C02901 / High Mobility Artillery Rocket System (HIMARS) **Item Number / Title [DODIC]:** C03000 / HIMARS LAUNCHER

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025													Fiscal Year 2026													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	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			
Launcher																																	
Prior Years Deliveries: 399																																	
1		2019	ARMY	17	17	0																									0		
1		2019	FMS (†)	38	38	0																									0		
1		2019	MC (†)	10	10	0																									0		
<b>1</b>		<b>2019</b>	<b>Total</b>	<b>65</b>	<b>65</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1		2021	ARMY	4	4	0																									0		
1		2021	FMS (†)	11	11	0																									0		
1		2021	MC (†)	6	6	0																									0		
<b>1</b>		<b>2021</b>	<b>Total</b>	<b>21</b>	<b>21</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>		
1		2022	ARMY	56	20	36	5	5	4	-	6	6	6	4																	0		
1		2023	ARMY	23	0	23	-	-	-	-	1	2	2	2	2	2	2	2	2	2	2										0		
1		2024	ARMY	28	0	28	-	-	-	-	-	-	-	-	-	-	1	6	6	6	6	6	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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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6200C02901 / High Mobility Artillery Rocket System (HIMARS)	<b>Item Number / Title [DODIC]:</b> C03000 / HIMARS LAUNCHER
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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 M. F. C. Sys - Dallas Texas	24	48	72	8	3	14	17	0	3	14	17

**Remarks:**  
HIMARS funding of \$29.300 million awarded in FY 2022 to increase production capacity. An increase in production capacity from 60 to 72 launchers per year will occur in February 2025. An additional increase in production capacity from 72 to 96 launchers per year will occur in October 2025.

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

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

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM
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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> 0203802A
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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> )	1,575	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,577.021	-	-	7.307	-	7.307	3.274	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,577.021	-	-	7.307	-	7.307	3.274	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,577.021</b>	<b>-</b>	<b>-</b>	<b>7.307</b>	<b>-</b>	<b>7.307</b>	<b>3.274</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	1,001.283	-	-	-	-	-	-	-	-	-	Continuing	Continuing

**Description:**

This is a new start in FY 2024.

Army Tactical Missile System (ATACMS) is the United States (U.S.) Army's primary 24/7, all weather, and surface-to-surface artillery precision missile used by current and future Combatant Commanders to shape the battlefield with long-range fires against hard and soft stationary targets in open, complex, and urban environments. The missile provides the Combatant Commanders with a 24/7 all-weather 300 kilometers (km) long-range fires capability to attack high-payoff, time-sensitive targets without placing aircraft and crews at risk. It's precision accuracy, along with the absence of potential duds and reduced lethal radii, mitigate the warfighter's collateral damage concerns against hard and soft targets in complex and urban environments.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.307	-	7.307	3.274	-	-
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.307	-	7.307	3.274	-	-

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys **P-1 Line Item Number / Title:** 6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203802A

**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	C98501 / ATACMS BLK IA	P-5a			1,575 / 1,577.021	- / -	- / -	- / 7.307	- / -	- / 7.307
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,575 / 1,577.021</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 7.307</b>	<b>- / -</b>	<b>- / 7.307</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 is a new start in FY 2024.

FY 2024 Base procurement dollars in the amount of \$7.307 million will be used for the remaining delivery costs of the missiles procured on the FY 2021 contract and the Production Verification Test (PVT).

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**

<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	<b>Item Number / Title [DODIC]:</b> C98501 / ATACMS BLK IA

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )		1,575	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		1,577.021	-	-	7.307	-	7.307
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		1,577.021	-	-	7.307	-	7.307
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		<b>1,577.021</b>	-	-	<b>7.307</b>	-	<b>7.307</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 Thousands</i> )		1,001.283	-	-	-	-	-

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Recurring Production <sup>(†)</sup>	821.358	1,575	1,293.639	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	38.513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Engineering/Mgmt	-	-	111.731	-	-	-	-	-	-	-	1.999	-	-	-	-	-	-	
Systems Test and Eval	-	-	6.619	-	-	-	-	-	-	-	1.947	-	-	-	-	-	1.947	
Transportation	-	-	1.039	-	-	-	-	-	-	-	0.155	-	-	-	-	-	0.155	
<b>Subtotal: Recurring Cost</b>	-	-	<b>1,451.541</b>	-	-	-	-	-	-	-	<b>4.101</b>	-	-	-	-	-	<b>4.101</b>	
Non Recurring Cost																		
Non-Recurring Production	-	-	61.359	-	-	-	-	-	-	-	1.264	-	-	-	-	-	1.264	
<b>Subtotal: Non Recurring Cost</b>	-	-	<b>61.359</b>	-	-	-	-	-	-	-	<b>1.264</b>	-	-	-	-	-	<b>1.264</b>	
<b>Subtotal: Flyaway Cost</b>	-	-	<b>1,512.900</b>	-	-	-	-	-	-	-	<b>5.365</b>	-	-	-	-	-	<b>5.365</b>	
Support - Data Cost																		
Support Data Data	-	-	16.054	-	-	-	-	-	-	-	1.771	-	-	-	-	-	1.771	
<b>Subtotal: Support - Data Cost</b>	-	-	<b>16.054</b>	-	-	-	-	-	-	-	<b>1.771</b>	-	-	-	-	-	<b>1.771</b>	
Support - Fielding Cost																		
Fielding	-	-	0.864	-	-	-	-	-	-	-	0.171	-	-	-	-	-	0.171	

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30	<b>P-1 Line Item Number / Title:</b> 6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	<b>Item Number / Title [DODIC]:</b> C98501 / ATACMS BLK IA

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Fielding Cost</i>	-	-	0.864	-	-	-	-	-	-	-	-	0.171	-	-	-	-	-	0.171
Support - Support Equipment Cost																		
Test and Measurement Equipment	-	-	36.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Equipment Cost</i>	-	-	36.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Training Cost																		
Services	-	-	11.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Training Cost</i>	-	-	11.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	1,001.283	1,575	1,577.021	-	-	-	-	-	-	-	-	7.307	-	-	-	-	-	7.307

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	7.307	-	7.307
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	7.307	-	7.307

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



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 30			<b>P-1 Line Item Number / Title:</b> 6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM					<b>Item Number / Title [DODIC]:</b> C98501 / ATACMS BLK IA				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Recurring Production		2020	Lockheed Martin (ATACMS) / Dallas, Texas	SS / FPIF	Aviation and Missile Command	Jun 2020	Jun 2023	296	1,072.082	N		Aug 2018
Recurring Production		2021	Lockheed Martin (ATACMS) / Dallas, Texas	SS / FPIF	Aviation and Missile Command	Mar 2021	Apr 2024	220	0.000	N		Aug 2018

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/ Assault Missile Sys	<b>P-1 Line Item Number / Title:</b> 6870C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)
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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> 0203802A
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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> )	849	-	-	-	-	-	-	-	-	-	-	849
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	219.287	94.118	37.937	-	-	-	-	-	-	-	-	351.342
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	219.287	94.118	37.937	-	-	-	-	-	-	-	-	351.342
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>219.287</b>	<b>94.118</b>	<b>37.937</b>	-	-	-	-	-	-	-	-	<b>351.342</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	258.289	-	-	-	-	-	-	-	-	-	-	413.830

**Description:**

Lethal Miniature Aerial Missile System (LMAMS) is a single man-portable/operable, light-weight organic, beyond line-of-sight, precision guided, loitering aerial missile system capable of locating and engaging obscured and/or fleeting enemy targets who otherwise cannot be engaged by typical direct fire weapon systems. Front and Side Look High Resolution Electro-Optical (day) and Front Look Infrared (night) cameras allow the Warfighter to have eyes on the target for positive identification. LMAMS Wave-Off capability allows the operator to wave-off or re-direct the LMAMS flight path prior to impact, if necessary. The system is comprised of a fire control unit, launcher, missile, and a modular payload capable of high lethality against unprotected Combatant Personnel and producing casualties against Personnel in Soft Skinned Vehicles. LMAMS has the ability to be employed in less than two minutes.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	94.118	37.937	-	-	-	-	-	-	-
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	<b>94.118</b>	<b>37.937</b>	-	-	-	-	-	-	-

**Justification:**

LMAMS has no FY 2024 funding.

In accordance with Section 1815 of the FY08 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0932A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods
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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> 0607865A
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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> )	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>5,042.526</b>	<b>287.479</b>	<b>253.689</b>	<b>212.247</b>	<b>-</b>	<b>212.247</b>	<b>179.513</b>	<b>573.119</b>	<b>502.009</b>	<b>208.218</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This funding line is a key enabler of the Army Modernization Priorities in support of Air and Missile Defense.

The PATRIOT Mods program implements critical capability, readiness and sustainability modifications to the weapon system, maintains Integrated Logistics Support, and supports materiel solutions to counter cybersecurity and electronic warfare shortcomings to all elements of the Lower Tier Battle Space. Required modifications are identified through various means to include: validated requirement documents such as the Capability Production Document (CPD), Capabilities Development Document (CDD), and the Operational Needs Statement (ONS); material changes supported by improved operational effectiveness as identified in the PATRIOT Product Improvement Program (PIP); material deficiencies identified in the field; obsolescence mitigation; emerging technologies; software improvements related to warfighter machine and crew interface requirements and communication upgrades.

Modifications outlined below are critical to maintain capabilities in the field for enduring PATRIOT components, or are critical in support of the transition to an Army Integrated Air and Missile Defense (AIAMD) in convergence efforts with the Integrated Battle Command System (IBCS).

FY 2023 PATRIOT Mods funding supports International Engineering Services Program (IESP); Integrated Logistics Support (ILS); US Unique Engineering Services (ES); System Engineering and Technical Analysis activities supporting Reliability, Availability, and Maintainability (RAM) Mods; Recapitalization (RECAP); Battery Command Post/ Tactical Command System /Computer Software Module (BCP/TCS/CSM) Mod; Communications Obsolescence Upgrade, (Dismounted) Patriot Information Coordination Central (DPICC), Assured Position, Navigation, and Timing (APNT), continued unit ONS fielding support while awaiting the Army standard solution, and Report Rocket Classification.

1. RAM modifications provide resolution to field failures which are identified through component analysis, field data collection, obsolescence issues and emerging technologies which are prioritized based on readiness and Operations and Support (O&S) impacts. This effort includes the engineering, acquisition, qualification testing, installation, technical support and training device upgrades associated with modification and design changes which are essential to stabilize the system at the highest readiness posture available and reduction of O&S. Kit quantity is based on expected Engineering Change Proposals (ECPs) to be applied to Major End Items (MEIs). Quantities will be procured at an optimized rate utilizing price advantage created through contract negotiation, other service procurement, and/or foreign military sales into a buy-to-budget procurement strategy.

2. Recapitalization (RECAP) Modifications (1 battalion/year) include critical upgrades including but not limited to: Family of Medium Tactical Vehicles (FMTV), PATRIOT-unique prime mover obsolescence mitigation, Depot Maintenance Plant Equipment (DMPE), Harmonic Generator Kits, Post Deployment Build 8.1 (PDB-8.1) and Patriot Component Software Build (PCSB) S/W & H/W, Cryptographic Modernization

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0962C50700: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications		<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods
<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> 0607865A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Kits, Missile Segment Enhancement (MSE) Launching station upgrades; Radar Digital Sidelobe Canceller upgrade, Radar Weapons Control Interface Unit (RWCIU) obsolescence mitigation, Radar Search/Track Microwave Front Ends modernization, Radar Peripheral Electronics Assembly (PEA) box modernization, Electronic Power Plant (EPP) obsolescence mitigation, and Cooling Liquid Electron Tube (CLET) kits. These modifications are synchronized within the RECAP program. RECAP is a battalion set, resulting in a more supportable, reliable, and capable unit in the force.</p> <p>3. Digital Exciter (DEX) is an obsolescence mitigation effort to the Patriot Radar's Analog Exciter (AEX). Current AEX design production will be suspended by EOY 2023. This effort will leverage the FMS-funded DEX obsolescence mitigation effort to qualify and field to the USA. 20 total DEX Kits will be produced to ensure the operational Patriot capability is able to be retained until full divestment by LTAMDS.</p> <p>4. Communications Obsolescence: Task is to replace obsolete PATRIOT communications equipment that is no longer supportable, with modern communications equipment for four PATRIOT Battalions. The fielded PATRIOT communications architecture utilizes obsolete serial technology that is no longer producible or repairable. This process requires modernization at battalion (BN) level to prevent breaking intra-BN communications, addresses the BN specific architecture to facilitate modern external and external communications. These measures provide an interim solution until transition to fleet-wide AIAMD system architecture is achieved, and is an essential step to keep the remainder of the fleet viable until it is fully replaced with AIAMD components.</p> <p>5. The Air Defense Interrogator (ADI) TPX-57 uses an Interrogator Reply Processor (IRP) card that is obsolete. The IRP card does not allow for software/hardware upgrades to the ADI. Once the spares in the field are absorbed the radar will become non mission capable (NMC). To mitigate the obsolescence and to be compliant to the Position, Navigation, and Timing (PNT) Reference Architecture (RA) v1.0, Patriot will begin integration of the AN/TPX-57A(V)1 Identify Friend or Foe (IFF) interrogator which was defined in the Patriot Assured PNT Strategy document to be the next generation upgrade for the ADI TPX. The AN/TPX-57A(V)1 will use an M-Code Global Positioning System (GPS) Receiver and standard Fixed Reception Pattern Antenna (FRPA). The AN/TPX-57A(V)1 allows for potential upgrades, such as an Anti-Jam antenna and Alternate Navigation (AltNav).</p> <p>6. Dismounted Patriot Information Coordination Central (DPICC) effort rehosts tactical Patriot software maintained via engineering services to a smaller, more mobile hardware configuration that will allow flexible, tailorable deployment options by freeing up Battalion level ICC's.</p> <p>7. The Battery Command Post/Tactical Command System/Computer Software Module (BCP/TCS/CSM) effort continues the development of the Capabilities Development Document (CDD) required Battle Management, Command, Control, Communications, Computers, and Intelligence (BMC4I) capability to maintain compatibility with tactical software enhancements, while enhancing and improving the defense design and planning capabilities for the PATRIOT warfighter. This includes systems engineering, software requirements, software design/code/test and independent validation and verification testing. This effort also provides Integrated Logistics Support, required due to the large amount of Commercial-Off-The-Shelf components, of the 62 Battery Command Posts and 17 Tactical Command Systems. Additionally, this effort supports the BCP/TCS/CSM fielding upgrades for each PATRIOT Post Deployment Build update. Note: Quantities procured and installed in prior years.</p> <p>8. The Tactical Planner Workstation Augmentation Support provides for Subject Matter Expert training augmentation to assist in training the Schoolhouse trainers (Train the Trainers) with advanced concepts, capabilities and processes for training the full capabilities and uses of the Tactical Planner Workstation (TPW) software for the Schoolhouse and Deployed Units. This training is an augmentation to the NET training enabling trainers to receive advanced training for full capability of the TPW software.</p> <p>9. PATRIOT's IESP is a US chartered multi-national cost sharing program which allows the current 17 FMS partners to contribute toward common, non-RDTE engineering activities required to sustain PATRIOT capability. This cost share program structure is at a ratio of 2:1 FMS dollars to USD investment. Consolidated funds provide essential engineering services toward enhancing PATRIOT fleet readiness for both the United States Army and International partners. Significant cost avoidance is achieved by sharing expenses that would otherwise be fully funded by the United States to achieve the same result.</p> <p>10. Logistics Recurring includes all aspects of Integrated Logistics Support (ILS) management, e.g., maintenance support, facilities, personnel, training, testing, and fielding.</p> <p>11. Report Rocket Classification: The modern Air and Missile Defense environment contains a wide variety and large quantities of TBM and rocket threats. This task provides situational awareness for operators and allows for greater efficiency in management of interceptor inventories in the complex AMD environment.</p>		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods
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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> 0607865A
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**Line Item MDAP/MAIS Code:** N/A

13. Patriot Multi-Echelon Training (PMET): The PATRIOT Weapons System uses tactical equipment and training aids, devices, simulators, and simulations (TADSS) to conduct multi-level training for both operators and maintenance personnel. This includes both hardware devices and software programs utilized to include; the Patriot Maintenance Trainer (PMT), Reconfigurable Table Top Trainer (RT3) and the Patriot Multi-Echelon Training (PMET).

25. Assured Position, Navigation and Timing (PNT) (Mod Item 25 of 28) - Purchases integrated Project Manager (PM) PNT M-code capable hardware for integration on Patriot Major End Items (MEI). Effort supports mandated FY 2011 National Defense Authorization Act; public law 111-383 Sec. 913.

27. The PATRIOT Launching Station is a mobile tactical element of the PATRIOT Firing Battery. It is used to transport, aim, and launch various types of PATRIOT family guided missiles.

28. Additional Battalion of Warfighting Capability: Funding provides for the required PATRIOT Ground Support Equipment to include PATRIOT Launching Stations to support fielding of the 16th Battalion.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	<b>287.479</b>	<b>253.689</b>	<b>212.247</b>	-	<b>212.247</b>	<b>179.513</b>	<b>573.119</b>	<b>502.009</b>	<b>208.218</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications **P-1 Line Item Number / Title:** 0962C50700 / Patriot Mods

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0607865A

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

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	C50700 / Patriot Mods (Various)				- / 5,042.526	- / 287.479	- / 253.689	- / 212.247	- / -	- / 212.247
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 5,042.526</b>	<b>- / 287.479</b>	<b>- / 253.689</b>	<b>- / 212.247</b>	<b>- / -</b>	<b>- / 212.247</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	C50700 / Patriot Mods (Various)				- / 179.513	- / 573.119	- / 502.009	- / 208.218	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 179.513</b>	<b>- / 573.119</b>	<b>- / 502.009</b>	<b>- / 208.218</b>	<b>Continuing</b>	<b>Continuing</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:**  
 FY 2024 procurement dollars in the amount of \$212.247 million support the modifications for Reliability, Availability, and Maintainability Modifications (RAM Mods), Recapitalization (RECAP), Battery Command Post/ Tactical Command System/ Computer Software Module (BCP/TCS/CSM), PATRIOT Radar Digital Exciter, Report Rocket Classification, Assured PNT, the Dismounted Information Coordination Central, the Tactical Planner Workstation Augmentation, Communications Obsolescence, and \$67.000 million which is for the Base Pacific Deterrence Initiative (BPDI)-Modernized and Strengthened Presence supports the procurement of 6 launchers. The Air Defense Interrogator (ADI) TPX 57 Obsolescence, IESP, system engineering, program management, launcher hardware and logistics support.

Funding decrease from FY 2023 to FY 2024 is due to completion of planned Obsolescence activities as the Army begins transition from Patriot to a Modernized integrated force including IBCS and LTAMDS.

PATRIOT Mods supports and facilitates enhanced capabilities and integration into the Integrated Air and Missile Defense (IAMD) architecture.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<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> )	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5,042.526</b>	<b>287.479</b>	<b>253.689</b>	<b>212.247</b>	-	<b>212.247</b>	<b>179.513</b>	<b>573.119</b>	<b>502.009</b>	<b>208.218</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The PATRIOT weapon system modernization program implements modifications to the weapon system and maintains Integrated Logistics Support. Required modifications are identified through various means, including the following: validated requirements documents such as Capability Production Documents and Operational Needs Statements; material changes identified in the PATRIOT Product Improvement Program (PIP); material deficiencies identified in the field; obsolescence issues; emerging technologies; software improvements; crew interface and communications upgrades.

<b>Secondary Distribution</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>
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods					<b>Modification Number / Title:</b> C50700 / Patriot Mods			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> Various				<b>Modification Type:</b> Various				<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>													
<b>Modification Item 1 of 28: RAM Mods</b>													
A Kits													
Recurring													
Kit Quantity	7,116 / 755.699	116 / 17.890	136 / 21.996	115 / 17.737	- / -	115 / 17.737	87 / 13.925	103 / 16.558	137 / 22.007	167 / 26.826	Continuing	Continuing	
Training	- / 139.314	- / 4.352	- / 5.107	- / 4.315	- / -	- / 4.315	- / 3.387	- / 4.028	- / 5.353	- / 6.525	Continuing	Continuing	
Training Equipment	- / 39.241	- / 3.385	- / 4.572	- / 3.356	- / -	- / 3.356	- / 2.635	- / 3.133	- / 4.164	- / 5.075	Continuing	Continuing	
Support Equipment	- / 79.722	- / 8.220	- / 9.648	- / 8.149	- / -	- / 8.149	- / 6.398	- / 7.608	- / 10.112	- / 12.326	Continuing	Continuing	
Fielding Support and NET	- / 139.290	- / 13.055	- / 13.321	- / 12.943	- / -	- / 12.943	- / 10.161	- / 12.083	- / 16.059	- / 19.575	Continuing	Continuing	
Integrated Logistics Support	- / 15.952	- / 1.450	- / 2.102	- / 1.438	- / -	- / 1.438	- / 1.129	- / 1.343	- / 1.784	- / 2.175	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>7,116 / 1,169.218</b>	<b>116 / 48.352</b>	<b>136 / 56.746</b>	<b>115 / 47.938</b>	<b>- / -</b>	<b>115 / 47.938</b>	<b>87 / 37.635</b>	<b>103 / 44.753</b>	<b>137 / 59.479</b>	<b>167 / 72.502</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: RAM Mods</b>	<b>7,116 / 1,169.218</b>	<b>116 / 48.352</b>	<b>136 / 56.746</b>	<b>115 / 47.938</b>	<b>- / -</b>	<b>115 / 47.938</b>	<b>87 / 37.635</b>	<b>103 / 44.753</b>	<b>137 / 59.479</b>	<b>167 / 72.502</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Modification Item 2 of 28: Recapitalization</b>													
A Kits													
Recurring													
Kit Quantity	18 / 287.705	1 / 14.252	1 / 10.381	1 / 11.070	- / -	1 / 11.070	1 / 12.047	1 / 12.449	1 / 7.552	1 / 7.532	Continuing	Continuing	
Integrated Logistics Support	- / 22.258	- / 1.200	- / 0.920	- / 0.797	- / -	- / 0.797	- / 1.200	- / 1.166	- / 0.902	- / 0.920	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>18 / 309.963</b>	<b>1 / 15.452</b>	<b>1 / 11.301</b>	<b>1 / 11.867</b>	<b>- / -</b>	<b>1 / 11.867</b>	<b>1 / 13.247</b>	<b>1 / 13.615</b>	<b>1 / 8.454</b>	<b>1 / 8.452</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: Recapitalization</b>	<b>18 / 309.963</b>	<b>1 / 15.452</b>	<b>1 / 11.301</b>	<b>1 / 11.867</b>	<b>- / -</b>	<b>1 / 11.867</b>	<b>1 / 13.247</b>	<b>1 / 13.615</b>	<b>1 / 8.454</b>	<b>1 / 8.452</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Modification Item 3 of 28: PATRIOT Radar Digital Exciter (DEX)</b>													
A Kits													
Recurring													
PATRIOT Radar Digital Exciter (DEX)	- / -	- / -	- / 13.203	- / 13.251	- / -	- / 13.251	- / 13.397	- / 26.794	- / 26.760	- / 27.188	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 13.203</b>	<b>- / 13.251</b>	<b>- / -</b>	<b>- / 13.251</b>	<b>- / 13.397</b>	<b>- / 26.794</b>	<b>- / 26.760</b>	<b>- / 27.188</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: PATRIOT Radar Digital Exciter (DEX)</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 13.203</b>	<b>- / 13.251</b>	<b>- / -</b>	<b>- / 13.251</b>	<b>- / 13.397</b>	<b>- / 26.794</b>	<b>- / 26.760</b>	<b>- / 27.188</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Modification Item 4 of 28: Communications Obsolescence</b>													
A Kits													
Recurring													
Kits	2 / 51.590	2 / 39.972	- / 5.600	- / 2.000	- / -	- / 2.000	1 / 30.500	- / 3.200	- / 1.750	- / -	Continuing	Continuing	



**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods							<b>Modification Number / Title:</b> C50700 / Patriot Mods		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Various				<b>Modification Type:</b> Various				<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)	
<i>Subtotal: Recurring</i>	2 / 51.590	2 / 39.972	- / 5.600	- / 2.000	- / -	- / 2.000	1 / 30.500	- / 3.200	- / 1.750	- / -	Continuing	Continuing	
<i>Subtotal: Communications Obsolescence</i>	2 / 51.590	2 / 39.972	- / 5.600	- / 2.000	- / -	- / 2.000	1 / 30.500	- / 3.200	- / 1.750	- / -	Continuing	Continuing	
<b>Modification Item 5 of 28: ADI TPX 57 Obsolescence</b>													
A Kits													
Non-Recurring													
ADI TPX	- / -	- / -	- / 2.000	- / 2.153	- / -	- / 2.153	- / 9.000	- / 10.000	- / 2.500	- / 2.500	- / -	- / 28.153	
<i>Subtotal: Non-Recurring</i>	- / -	- / -	- / 2.000	- / 2.153	- / -	- / 2.153	- / 9.000	- / 10.000	- / 2.500	- / 2.500	- / -	- / 28.153	
<i>Subtotal: ADI TPX 57 Obsolescence</i>	- / -	- / -	- / 2.000	- / 2.153	- / -	- / 2.153	- / 9.000	- / 10.000	- / 2.500	- / 2.500	- / -	- / 28.153	
<b>Modification Item 6 of 28: Dismounted Information Coordination Central</b>													
B Kits													
Non-Recurring													
Dismounted Information Coordination Cent	3 / 30.346	- / -	5 / 24.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 55.074	
<i>Subtotal: Non-Recurring</i>	3 / 30.346	- / -	5 / 24.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 55.074	
<i>Subtotal: Dismounted Information Coordination Central</i>	3 / 30.346	- / -	5 / 24.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 55.074	
<b>Modification Item 7 of 28: BCP/TCS/CSM</b>													
A Kits													
Recurring													
Engineering Change Orders	- / 5.925	- / 0.770	- / 0.590	- / 0.590	- / -	- / 0.590	- / 0.810	- / 0.832	- / 0.830	- / 0.830	Continuing	Continuing	
Fielding Support	- / 8.879	- / 0.980	- / 0.534	- / 0.534	- / -	- / 0.534	- / 0.980	- / 0.735	- / 0.637	- / 0.650	Continuing	Continuing	
Obsolescence/Tech Refresh	- / 2.133	- / 0.480	- / 0.164	- / 0.160	- / -	- / 0.160	- / 0.500	- / 0.210	- / 0.200	- / 0.200	Continuing	Continuing	
Software/Systems Engineering	- / 133.600	- / 0.980	- / 0.434	- / 0.430	- / -	- / 0.430	- / 0.987	- / 0.680	- / 0.637	- / 0.624	Continuing	Continuing	
Integrated Logistics Support	- / 162.160	- / 3.573	- / 1.728	- / 1.306	- / -	- / 1.306	- / 3.373	- / 3.793	- / 2.246	- / 2.246	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 112.697	- / 6.783	- / 3.450	- / 3.020	- / -	- / 3.020	- / 6.650	- / 6.250	- / 4.550	- / 4.550	Continuing	Continuing	
Non-Recurring													
BCP Kit Quantity	62 / 29.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 29.435	
<i>Subtotal: Non-Recurring</i>	62 / 29.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 29.435	
<i>Subtotal: BCP/TCS/CSM</i>	62 / 142.132	- / 6.783	- / 3.450	- / 3.020	- / -	- / 3.020	- / 6.650	- / 6.250	- / 4.550	- / 4.550	Continuing	Continuing	
<b>Modification Item 8 of 28: Tactical Planner Workstation Augmentation Support</b>													
B Kits													
Non-Recurring													

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods							<b>Modification Number / Title:</b> C50700 / Patriot Mods		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Various				<b>Modification Type:</b> Various				<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)	
TPW Augmentation Spt	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.190	- / 0.150	- / 0.130	- / 0.130	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.190	- / 0.150	- / 0.130	- / 0.130	Continuing	Continuing	
<i>Subtotal: Tactical Planner Workstation Augmentation Support</i>	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.190	- / 0.150	- / 0.130	- / 0.130	Continuing	Continuing	
<b>Modification Item 9 of 28: International Engineering Services Program (IESP)</b>													
A Kits													
Recurring													
International Engineering Services Prog	- / 59.000	- / 59.532	- / 41.800	- / 41.510	- / -	- / 41.510	- / 41.904	- / 42.733	- / 45.505	- / 45.505	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 59.000	- / 59.532	- / 41.800	- / 41.510	- / -	- / 41.510	- / 41.904	- / 42.733	- / 45.505	- / 45.505	Continuing	Continuing	
<i>Subtotal: International Engineering Services Program (IESP)</i>	- / 59.000	- / 59.532	- / 41.800	- / 41.510	- / -	- / 41.510	- / 41.904	- / 42.733	- / 45.505	- / 45.505	Continuing	Continuing	
<b>Modification Item 10 of 28: Logistics Recurring</b>													
A Kits													
Recurring													
Logistics Support	- / 27.091	- / 25.182	- / 19.651	- / 19.464	- / -	- / 19.464	- / 19.690	- / 20.655	- / 17.901	- / 17.901	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 27.091	- / 25.182	- / 19.651	- / 19.464	- / -	- / 19.464	- / 19.690	- / 20.655	- / 17.901	- / 17.901	Continuing	Continuing	
<i>Subtotal: Logistics Recurring</i>	- / 27.091	- / 25.182	- / 19.651	- / 19.464	- / -	- / 19.464	- / 19.690	- / 20.655	- / 17.901	- / 17.901	Continuing	Continuing	
<b>Modification Item 11 of 28: Report Rocket Classification</b>													
A Kits													
Non-Recurring													
Kits	- / 10.011	- / 4.922	- / 3.352	- / 1.000	- / -	- / 1.000	- / 1.000	- / 4.500	- / 7.900	- / 8.190	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / 10.011	- / 4.922	- / 3.352	- / 1.000	- / -	- / 1.000	- / 1.000	- / 4.500	- / 7.900	- / 8.190	Continuing	Continuing	
<i>Subtotal: Report Rocket Classification</i>	- / 10.011	- / 4.922	- / 3.352	- / 1.000	- / -	- / 1.000	- / 1.000	- / 4.500	- / 7.900	- / 8.190	Continuing	Continuing	
<b>Modification Item 12 of 28: PATRIOT Maintenance Trainer (PMT)</b>													
A Kits													
Recurring													
Kit Quantity	7 / 107.441	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 107.441	
<i>Subtotal: Recurring</i>	7 / 107.441	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 107.441	
Non-Recurring													
Training Support	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000	

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods					<b>Modification Number / Title:</b> C50700 / Patriot Mods		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Various			<b>Modification Type:</b> Various				<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)
<i>Subtotal: Non-Recurring</i>	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000
<i>Subtotal: PATRIOT Maintenance Trainer (PMT)</i>	7 / 111.441	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 111.441
<b>Modification Item 13 of 28:</b> PATRIOT Multi-Echelon Training (PMET)												
A Kits												
Recurring												
Kit Quantity	28 / 40.180	1 / 3.974	1 / 2.958	- / 1.018	- / -	- / 1.018	- / -	- / -	- / -	- / -	- / -	30 / 48.130
<i>Subtotal: Recurring</i>	28 / 40.180	1 / 3.974	1 / 2.958	- / 1.018	- / -	- / 1.018	- / -	- / -	- / -	- / -	- / -	30 / 48.130
<i>Subtotal: PATRIOT Multi-Echelon Training (PMET)</i>	28 / 40.180	1 / 3.974	1 / 2.958	- / 1.018	- / -	- / 1.018	- / -	- / -	- / -	- / -	- / -	30 / 48.130
<b>Modification Item 14 of 28:</b> SNAP/TROPO												
A Kits												
Recurring												
Kit Quantity SNAP	6 / 0.830	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.830
Support	- / 8.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.041
Integrated Logistics Support	- / 3.993	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.993
Training	- / 0.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.175
Equipment	- / 0.859	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.859
<i>Subtotal: Recurring</i>	6 / 13.898	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 13.898
Non-Recurring												
Kit Quantity TROPO	26 / 12.884	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 12.884
<i>Subtotal: Non-Recurring</i>	26 / 12.884	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 12.884
<i>Subtotal: SNAP/TROPO</i>	32 / 26.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 26.782
<b>Modification Item 15 of 28:</b> Enhanced Launcher Electronics System (ELES)												
A Kits												
Recurring												
Kit Quantity	375 / 613.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 613.113
<i>Subtotal: Recurring</i>	375 / 613.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 613.113
<i>Subtotal: Enhanced Launcher Electronics System (ELES)</i>	375 / 613.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 613.113
<b>Modification Item 16 of 28:</b> Digital Sidelobe Canceller (DSLCL)												
A Kits												

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods						<b>Modification Number / Title:</b> C50700 / Patriot Mods		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Various			<b>Modification Type:</b> Various				<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)
Recurring												
Kit Quantity	81 / 180.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 180.382
<i>Subtotal: Recurring</i>	81 / 180.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 180.382
<i>Subtotal: Digital Sidelobe Cancellor (DSLCL)</i>	81 / 180.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 180.382
<b>Modification Item 17 of 28:</b> Command Obsolescence Alleviation												
A Kits												
Recurring												
Command Obsolescence Alleviation	- / 8.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.989
<i>Subtotal: Recurring</i>	- / 8.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.989
<i>Subtotal: Command Obsolescence Alleviation</i>	- / 8.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.989
<b>Modification Item 18 of 28:</b> MAP/RDP Encryption Compliance												
A Kits												
Non-Recurring												
Certification	- / 23.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.995
<i>Subtotal: Non-Recurring</i>	- / 23.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.995
<i>Subtotal: MAP/RDP Encryption Compliance</i>	- / 23.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.995
<b>Modification Item 19 of 28:</b> IFF Antenna Redesign												
A Kits												
Non-Recurring												
Kits	27 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 12.000
<i>Subtotal: Non-Recurring</i>	27 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 12.000
<i>Subtotal: IFF Antenna Redesign</i>	27 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 12.000
<b>Modification Item 20 of 28:</b> Combined Crypto Modification Phase I (CCMPI)												
A Kits												
Recurring												
Kit Quantity	150 / 48.970	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 48.970
Kit Quantity (GFE)	- / 11.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.072
<i>Subtotal: Recurring</i>	150 / 50.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 50.042
Non-Recurring												

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>											<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods				<b>Modification Number / Title:</b> C50700 / Patriot Mods				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Various			<b>Modification Type:</b> Various				<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)
Training	- / 0.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.396
<i>Subtotal: Non-Recurring</i>	- / 0.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.396
<i>Subtotal: Combined Crypto Modification Phase I (CCMP)</i>	150 / 50.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 50.438
<b>Modification Item 21 of 28:</b> Radar Digital Processor - Configuration (RDP-C)												
A Kits												
Recurring												
Kit Quantity	80 / 240.766	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 240.766
Fielding	- / 14.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.000
Support Equipment	- / 36.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.942
<i>Subtotal: Recurring</i>	80 / 291.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 291.708
<i>Subtotal: Radar Digital Processor - Configuration (RDP-C)</i>	80 / 291.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 291.708
<b>Modification Item 22 of 28:</b> Air Defense Artillery School Upgrades/ TADSS												
A Kits												
Recurring												
Radar Kit Quantity	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 96.000
<i>Subtotal: Recurring</i>	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 96.000
<i>Subtotal: Air Defense Artillery School Upgrades/ TADSS</i>	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 96.000
<b>Modification Item 23 of 28:</b> Modern Manstation (MMS)												
A Kits												
Recurring												
Fielding	- / 7.825	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.825
Support Equipment	- / 56.567	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 56.567
<i>Subtotal: Recurring</i>	- / 64.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.392
Non-Recurring												
Kit Quantity	82 / 55.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 55.842
<i>Subtotal: Non-Recurring</i>	82 / 55.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 55.842
<i>Subtotal: Modern Manstation (MMS)</i>	82 / 120.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 120.234
<b>Modification Item 24 of 28:</b> Reconfigurable Table Top Trainers (RT3)												

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods					<b>Modification Number / Title:</b> C50700 / Patriot Mods			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> Various				<b>Modification Type:</b> Various				<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)	
A Kits													
Recurring													
Kit Quantity	489 / 31.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	489 / 31.338	
<i>Subtotal: Recurring</i>	489 / 31.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	489 / 31.338	
<i>Subtotal: Reconfigurable Table Top Trainers (RT3)</i>	489 / 31.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	489 / 31.338	
<b>Modification Item 25 of 28: Assured PNT</b>													
A Kits													
Recurring													
Hardware Integration	798 / 3.000	- / -	- / 0.400	- / -	- / -	- / -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- / -	9,947 / 40.000	
<i>Subtotal: Recurring</i>	798 / 3.000	- / -	- / 0.400	- / -	- / -	- / -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- / -	9,947 / 40.000	
<i>Subtotal: Assured PNT</i>	798 / 3.000	- / -	- / 0.400	- / -	- / -	- / -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- / -	9,947 / 40.000	
<b>Modification Item 26 of 28: Test Detachment</b>													
A Kits													
Recurring													
Equipment	1 / 56.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 56.000	
<i>Subtotal: Recurring</i>	1 / 56.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 56.000	
<i>Subtotal: Test Detachment</i>	1 / 56.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 56.000	
<b>Modification Item 27 of 28: Launcher Hardware</b>													
A Kits													
Recurring													
Launcher Hardware	- / -	- / 82.010	6 / 67.000	6 / 67.526	- / -	6 / 67.526	- / -	- / -	- / -	- / -	- / -	12 / 216.536	
<i>Subtotal: Recurring</i>	- / -	- / 82.010	6 / 67.000	6 / 67.526	- / -	6 / 67.526	- / -	- / -	- / -	- / -	- / -	12 / 216.536	
<i>Subtotal: Launcher Hardware</i>	- / -	- / 82.010	6 / 67.000	6 / 67.526	- / -	6 / 67.526	- / -	- / -	- / -	- / -	- / -	12 / 216.536	
<b>Modification Item 28 of 28: Additional Battalion of Warfighting Capability</b>													
A Kits													
Recurring													
Additional Battalion	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 392.319	- / 321.030	- / -	- / -	- / 713.349	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 392.319	- / 321.030	- / -	- / -	- / 713.349	
<i>Subtotal: Additional Battalion of Warfighting Capability</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 392.319	- / 321.030	- / -	- / -	- / 713.349	
<i>Subtotal: Procurement, All Modification Items</i>	9,355 / 3,464.951	120 / 286.179	149 / 252.389	122 / 210.947	- / -	122 / 210.947	1,339 / 178.213	1,816 / 571.819	1,325 / 500.709	5,168 / 206.918	Continuing	Continuing	

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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<b>Models of Systems Affected:</b> Various	<b>Modification Type:</b> Various	<b>Related RDT&amp;E PEs:</b>
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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>Installation</b>												
<i>Modification Item 1 of 28: RAM Mods</i>	6,849 / 151.613	135 / -	130 / -	79 / -	- / -	79 / -	92 / -	106 / -	130 / -	166 / -	Continuing	Continuing
<i>Modification Item 2 of 28: Recapitalization</i>	17 / 231.430	1 / 1.300	1 / 1.300	1 / 1.300	- / -	1 / 1.300	1 / 1.300	1 / 1.300	1 / 1.300	1 / 1.300	Continuing	Continuing
<i>Modification Item 7 of 28: BCP/TCS/CSM</i>	79 / 1,192.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
<i>Modification Item 20 of 28: Combined Crypto Modification Phase I (CCMPI)</i>	150 / 1.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 1.950
<i>Subtotal: Installation</i>	7,095 / 1,577.575	136 / 1.300	131 / 1.300	80 / 1.300	- / -	80 / 1.300	93 / 1.300	107 / 1.300	131 / 1.300	167 / 1.300	Continuing	Continuing
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>5,042.526</b>	<b>287.479</b>	<b>253.689</b>	<b>212.247</b>	<b>-</b>	<b>212.247</b>	<b>179.513</b>	<b>573.119</b>	<b>502.009</b>	<b>208.218</b>	<b>Continuing</b>	<b>Continuing</b>

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 28:** RAM Mods

**Manufacturer Information**

Manufacturer Name: Raytheon	Manufacturer Location: Andover, MA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 14

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Feb 2023	Feb 2024	Feb 2025	Feb 2026	Feb 2027	Feb 2028	Feb 2029

**Installation Information**

**Method of Implementation:** Lead Logistics Fielding Team (Included in unit cost)

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	6,849 / 151.613	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2022	- / -	76 / 0.000	- / -	29 / 0.000	- / -	29 / 0.000	- / -	- / -	- / -	- / -	- / -	105 / 0.000
FY 2023	- / -	59 / 0.000	59 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	118 / 0.000
FY 2024	- / -	- / -	71 / 0.000	50 / 0.000	- / -	50 / 0.000	49 / 0.000	- / -	- / -	- / -	- / -	170 / 0.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	43 / 0.000	43 / 0.000	- / -	- / -	- / -	86 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 0.000	62 / 0.000	- / -	- / -	125 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 0.000	67 / 0.000	70 / 0.000	205 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 0.000	- / -	99 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,535 / 0.000	6,535 / 0.000
Total	6,849 / 151.613	135 / 0.000	130 / 0.000	79 / 0.000	- / -	79 / 0.000	92 / 0.000	106 / 0.000	130 / 0.000	166 / 0.000	Continuing	Continuing

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	7,203	29	29	29	29	34	34	34	34	28	28	29	30	21	22	22	22	25	26	26	26	34	34	35	34	41	42	42	42	6,228	14,292
Out	7,126	19	19	19	20	29	29	29	29	34	34	34	34	28	28	29	30	21	22	22	22	25	26	26	26	34	34	35	34	6,395	14,292



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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**Modification Item 2 of 28:** Recapitalization

**Manufacturer Information**

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

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

**Installation Information**

**Method of Implementation:** Depot, PM Office, contractor team (Included in unit cost)

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	15 / 229.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2022	1 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2023	1 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2024	- / -	1 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2025	- / -	- / -	1 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2026	- / -	- / -	- / -	1 / 1.300	- / -	1 / 1.300	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	- / -	- / -	- / -	Continuing	Continuing
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	- / -	- / -	Continuing	Continuing
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	1 / 1.300	Continuing	Continuing
Total	17 / 231.430	1 / 1.300	1 / 1.300	1 / 1.300	- / -	1 / 1.300	1 / 1.300	1 / 1.300	1 / 1.300	1 / 1.300	Continuing	Continuing

**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	18	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	9	34
Out	17	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	10	34

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 3 of 28:</b> PATRIOT Radar Digital Exciter (DEX)							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Organic					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 4 of 28:</b> Communications Obsolescence							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 5			
<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	Jan 2022	Jan 2023		Jan 2025			
Delivery Dates	Jun 2022	Jun 2023		Jun 2025			
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> TBD					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 5 of 28:</b> ADI TPX 57 Obsolescence							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> TBD					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 6 of 28:</b> Dismounted Information Coordination Central							
<b>Manufacturer Information</b>							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Engineering Services (Included in unit cost)					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

**Modification Item 7 of 28:** BCP/TCS/CSM

**Manufacturer Information**

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

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

**Installation Information**

**Method of Implementation:** Various (Included in unit cost)

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	79 / 1,192.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
FY 2022	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	79 / 1,192.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing

**Installation Schedule**

PYS	In	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		
	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79
	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 8 of 28:</b> Tactical Planner Workstation Augmentation Support							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: Various			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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 2022	Oct 2023	Oct 2024	Oct 2025		
Delivery Dates		Oct 2022	Oct 2023	Oct 2024	Oct 2025		
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Various					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 9 of 28:</b> International Engineering Services Program (IESP)							
<b>Manufacturer Information</b>							
Manufacturer Name: Multiple				Manufacturer Location: Various			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Various					<b>Installation Quantity:</b> 0		



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 10 of 28:</b> Logistics Recurring							
<b>Manufacturer Information</b>							
Manufacturer Name: Logistics				Manufacturer Location: Huntsville, AL			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Various					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 11 of 28:</b> Report Rocket Classification							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 5			
<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	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> PM Fielding Team (Included in Fielding cost)					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 12 of 28:</b> PATRIOT Maintenance Trainer (PMT)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tewksbury, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
<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		Feb 2023	Feb 2024	Feb 2025			
Delivery Dates		Jun 2023	Jun 2024	Jun 2025			
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> PM Office, Contractor Team					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 13 of 28:</b> PATRIOT Multi-Echelon Training (PMET)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tewksbury, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
<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	Feb 2022	Feb 2023	Feb 2024				
Delivery Dates	May 2022	May 2023	May 2024				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> PM Office, Contractor Team (Included in unit cost)					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 14 of 28:</b> SNAP/TROPO							
<b>Manufacturer Information</b>							
Manufacturer Name: TeleCommunication Systems (TCS)				Manufacturer Location: Tampa, FL			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 9			
<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> Depot, PM, contractor team					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 15 of 28:</b> Enhanced Launcher Electronics System (ELES)							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 18			
<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> Fielding Team (Included in unit cost)					<b>Installation Quantity:</b> 10		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 16 of 28:</b> Digital Sidelobe Cancellor (DSLCL)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tewksbury, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 18			
<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> Depot, PM Office, Contractor Team (Included in unit cost)						<b>Installation Quantity:</b> 0	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 17 of 28:</b> Command Obsolescence Alleviation							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 5			
<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> PM Office, Contractor Team (Included in unit cost)					<b>Installation Quantity:</b> 0		



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 18 of 28:</b> MAP/RDP Encryption Compliance							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 5			
<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> Contractor Team (Included in unit cost), PM Fielding Team					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 19 of 28:</b> IFF Antenna Redesign							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months):			
<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> PM Fielding Team (Included in Fielding cost)					<b>Installation Quantity:</b> 0		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods	<b>Modification Number / Title:</b> C50700 / Patriot Mods
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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**Modification Item 20 of 28:** Combined Crypto Modification Phase I (CCMPI)

**Manufacturer Information**

Manufacturer Name: OGA	Manufacturer Location: N/A
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Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12
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Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

**Installation Information**

**Method of Implementation:** LEAD Logistics Fielding Team (Included in unit cost)

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	150 / 1.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 1.950
FY 2022	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	150 / 1.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 1.950

**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	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Out	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 21 of 28:</b> Radar Digital Processor - Configuration (RDP-C)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 20			
<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> Depot, PM Office, contractor team (Included in unit cost)					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 22 of 28:</b> Air Defense Artillery School Upgrades/ TADSS							
<b>Manufacturer Information</b>							
Manufacturer Name: PM Office, contractor team				Manufacturer Location: Various			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 18			
<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> PM fielding team					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 23 of 28:</b> Modern Manstation (MMS)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 15			
<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> Various (Included in unit cost)					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 24 of 28:</b> Reconfigurable Table Top Trainers (RT3)							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tewksbury, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 9			
<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> PM Office, Contractor Team (Included in unit cost)					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 25 of 28:</b> Assured PNT							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tewksbury, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 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							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Logistics Fielding Team (Included in unit cost)					<b>Installation Quantity:</b> 0		



**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 26 of 28:</b> Test Detachment							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 8			
<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> WSMR PM owned test bed personnel					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 27 of 28:</b> Launcher Hardware							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 12				Production Leadtime (in Months): 24			
<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	Oct 2023	Feb 2024				
Delivery Dates	Jun 2026	Jun 2026	Feb 2027				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> PM Office Contractor					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 0962C50700 / Patriot Mods			<b>Modification Number / Title:</b> C50700 / Patriot Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 28 of 28:</b> Additional Battalion of Warfighting Capability							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Andover, MA			
Administrative Leadtime (in Months): 12				Production Leadtime (in Months): 36			
<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					Jan 2026		
Delivery Dates					Jan 2029		
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> PM Office, Contractor					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203801A
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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> )	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>467.375</b>	<b>303.757</b>	-	<b>36.484</b>	-	<b>36.484</b>	-	-	-	-	-	<b>807.616</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	3,157.939	649.053	-	-	-	-	-	-	-	-	-	1,311.065

**Description:**

The Stinger Block I missile is an advanced, fire-and-forget, short-range, soldier-portable, shoulder-fired and platform mounted guided missile system that provides the maneuver force and point defense assets air defense protection. Stinger's mission is to provide the force with low-altitude air defense against Fixed Wing (FW) and Rotary Wing (RW) Aircraft, Unmanned Aircraft Systems (UAS) and Cruise Missiles (CM). The Stinger missile is deployable from a variety of platforms that includes vehicles, helicopters, UAS and Soldier Portable Air Defense System. The missile is delivered as a certified round and requires no field testing or maintenance.

The Service Life Extension Program (SLEP) is ongoing at McAlester Army Ammunition Plant to replace aging key components in existing Block I missiles to extend the current shelf life providing a more viable asset to the Army's inventory. The addition of a Proximity Fuze capability in FY 2019 provided improved effectiveness against UAS threats by eliminating the need for hit to kill.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	303.757	-	36.484	-	36.484	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>303.757</b>	-	<b>36.484</b>	-	<b>36.484</b>	-	-	-

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications **P-1 Line Item Number / Title:** 2684C20000 / Stinger Mods

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203801A

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

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	C21300 / STINGER BLK I UPGRADES (Service Life Extension)		A		- / 467.375	- / 303.757	- / -	- / 36.484	- / -	- / 36.484
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 467.375</b>	<b>- / 303.757</b>	<b>- / -</b>	<b>- / 36.484</b>	<b>- / -</b>	<b>- / 36.484</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	C21300 / STINGER BLK I UPGRADES (Service Life Extension)		A		- / -	- / -	- / -	- / -	- / -	- / 807.616
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 807.616</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:**  
 FY 2024 funding in the amount of \$36.484 million procures 58 new Stinger Block I missiles with the new Proximity Fuze.

In accordance with Section 1815 of the FY08 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods	<b>Modification Number / Title:</b> C21300 / STINGER BLK I UPGRADES

<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> )	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>467.375</b>	<b>303.757</b>	-	<b>36.484</b>	-	<b>36.484</b>	-	-	-	-	-	<b>807.616</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 Thousands</i> )	3,157.939	649.053	-	-	-	-	-	-	-	-	-	1,311.065

**Description:**

The Stinger Block I missile is an advanced, fire-and-forget, short-range, man-portable, shoulder-fired and platform mounted guided missile system that provides the maneuver force and point defense assets air defense protection. Stinger's mission is to provide the force with low-altitude air defense against Fixed Wing (FW) and Rotary Wing (RW) Aircraft, Unmanned Aircraft Systems (UAS) and Cruise Missiles (CM). The Stinger missile is deployable from a variety of platforms that includes vehicles, helicopters, UAS and Man Portable Air Defense System (MANPADS). The missile is delivered as a certified round and requires no field testing or maintenance.

The Service Life Extension Program (SLEP) is ongoing at McAlester Army Ammunition Plant to replace aging key components in existing Block I missiles to extend the current shelf life providing a more viable asset to the Army's inventory. The addition of a Proximity Fuze (PROX) capability in FY 2019 will also provide improved effectiveness against UAS threats by eliminating the need for hit to kill.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	303.757	-	36.484	-	36.484	-	-	-	-
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	<b>303.757</b>	-	<b>36.484</b>	-	<b>36.484</b>	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods					<b>Modification Number / Title:</b> C21300 / STINGER BLK I UPGRADES			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> FIM-92E Stinger Block I Missile				<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>													
<b>Modification Item 1 of 2:</b> Stinger Service Life Extension Program (SLEP)													
A Kits													
Recurring													
Hardware	5,822 / 317.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,822 / 317.815	
Engineering Services	- / 56.085	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 56.085	
System Engineering/Program Management	- / 23.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.369	
Integration, Assembly, Test and Checkout	- / 70.106	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 70.106	
<b>Subtotal: Recurring</b>	<b>5,822 / 467.375</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>5,822 / 467.375</b>	
<b>Subtotal: Stinger Service Life Extension Program (SLEP)</b>	<b>5,822 / 467.375</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>5,822 / 467.375</b>	
<b>Modification Item 2 of 2:</b> Stinger Block I													
A Kits													
Recurring													
Block I Missiles with Proximity Fuze	- / -	468 / 175.056	- / -	58 / 27.361	- / -	58 / 27.361	- / -	- / -	- / -	- / -	- / -	526 / 202.417	
Production Verification Flight Test MsIs	- / -	11 / 5.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 5.271	
Dual Detector Assembly (DDA)	- / -	571 / 4.324	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	571 / 4.324	
Stinger Gripstocks	- / -	164 / 24.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	164 / 24.900	
Stinger Battery Cooling Units	- / -	396 / 7.905	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	396 / 7.905	
<b>Subtotal: Recurring</b>	<b>- / -</b>	<b>1,610 / 217.456</b>	<b>- / -</b>	<b>58 / 27.361</b>	<b>- / -</b>	<b>58 / 27.361</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>1,668 / 244.817</b>	
Non-Recurring													
DDA Redesign	- / -	- / 8.841	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.841	
Production Capacity Increase	- / -	- / 14.399	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.399	
Engineering Services	- / -	- / 12.741	- / -	- / 14.990	- / -	- / 14.990	- / -	- / -	- / -	- / -	- / -	- / 17.731	
Acceptance Testing	- / -	- / -	- / -	- / 11.210	- / -	- / 11.210	- / -	- / -	- / -	- / -	- / -	- / 11.210	
Production Test Equipment	- / -	- / 43.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.335	
Government Management	- / -	- / 6.985	- / -	- / 12.923	- / -	- / 12.923	- / -	- / -	- / -	- / -	- / -	- / 19.908	
<b>Subtotal: Non-Recurring</b>	<b>- / -</b>	<b>- / 86.301</b>	<b>- / -</b>	<b>- / 19.123</b>	<b>- / -</b>	<b>- / 19.123</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 95.424</b>	
<b>Subtotal: Stinger Block I</b>	<b>- / -</b>	<b>1,610 / 303.757</b>	<b>- / -</b>	<b>58 / 36.484</b>	<b>- / -</b>	<b>58 / 36.484</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>1,668 / 340.241</b>	
<b>Subtotal: Procurement, All Modification Items</b>	<b>5,822 / 467.375</b>	<b>1,610 / 303.757</b>	<b>- / -</b>	<b>58 / 36.484</b>	<b>- / -</b>	<b>58 / 36.484</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>7,490 / 807.616</b>	
<b>Installation</b>													

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods	<b>Modification Number / Title:</b> C21300 / STINGER BLK I UPGRADES
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Models of Systems Affected:** FIM-92E Stinger Block I Missile **Modification Type:** Service Life Extension **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods			<b>Modification Number / Title:</b> C21300 / STINGER BLK I UPGRADES	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 2:</b> Stinger Service Life Extension Program (SLEP)							
<b>Manufacturer Information</b>							
Manufacturer Name: McAlester Army Ammunition Plant				Manufacturer Location: McAlester, OK			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15			
<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						
Delivery Dates	Mar 2023						
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Depot Installation					<b>Installation Quantity:</b> 5822		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2684C20000 / Stinger Mods		<b>Modification Number / Title:</b> C21300 / STINGER BLK I UPGRADES		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 2 of 2:</b> Stinger Block I							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Tucson, Arizona			
Administrative Leadtime (in Months):				Production Leadtime (in Months): 60			
<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	May 2022		Mar 2024				
Delivery Dates	Feb 2025		Sep 2028				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Contract					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203801A
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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> )	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>220.831</b>	<b>11.227</b>	<b>-</b>	<b>22.274</b>	<b>-</b>	<b>22.274</b>	<b>2.317</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>256.649</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Avenger is a lightweight, ground-to-air missile and gun weapon system mounted on a High Mobility Multi-purpose Wheeled Vehicle. The system protects against unmanned aircraft systems, cruise missiles, and fixed and rotary wing threats. Avenger provides day/night adverse weather operations, shoot on the move capability, rapid target engagement, and remote firing capability. It can be air dropped, lifted by helicopter and is air transportable. The system employs up to eight Stinger missiles to counter aerial threats and a .50 Caliber Machine Gun (M3P) for close-in ground and air threats. An Identification Friend or Foe (IFF) system aids in the identification of friendly aircraft in order to minimize the potential for fratricide. The Avenger fleet of 453 systems includes 169 systems that are equipped with a digital Slew-to-Cue (STC) capability to speed target detection and engagement.

The Avenger Modification - Service Life Extension Program (MOD-SLEP) consists of Project 038: Avenger Production Improvement Program (PIP) and Program Element CE8710: Avenger MODS. The ongoing MOD-SLEP addresses obsolescence of Avenger components to ensure Avenger maintains operational capability through FY 2031. Key MOD-SLEP components are: the Targeting Console (TC), the M3P, the Avenger Fire Control Computer (AFCC), the Mode 5 Identification Friend or Foe (IFF), the Vehicle Internal Communications (VIC-5) and the Assured Positioning Navigation and Timing (A-PNT) hardware, which will provide M-Code capability.

The TC and AFCC are fielded to the 169 STC Avengers only. The M3P is fielded as spares through the supply system. The VIC-5, Mode 5 IFF and A-PNT hardware are fielded to all 453 of the Avenger systems.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.895	-	8.063	-	8.063	0.838	-	-
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.332	-	14.211	-	14.211	1.479	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>11.227</b>	<b>-</b>	<b>22.274</b>	<b>-</b>	<b>22.274</b>	<b>2.317</b>	<b>-</b>	<b>-</b>

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203801A
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	CE8710 / AVENGER MODS (Operational)		A		- / 220.831	- / 11.227	- / -	- / 22.274	- / -	- / 22.274
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 220.831</b>	<b>- / 11.227</b>	<b>- / -</b>	<b>- / 22.274</b>	<b>- / -</b>	<b>- / 22.274</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	CE8710 / AVENGER MODS (Operational)		A		- / 2.317	- / -	- / -	- / -	- / -	- / 256.649
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2.317</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 256.649</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 Avenger FY 2024 funding request of \$22.274 million supports procurement of 167 Mode 5 IFF with spares and fielding support.

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

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS						<b>Modification Number / Title:</b> CE8710 / AVENGER MODS		
<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>	<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> )	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>220.831</b>	<b>11.227</b>	<b>-</b>	<b>22.274</b>	<b>-</b>	<b>22.274</b>	<b>2.317</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>256.649</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Avenger is a lightweight, ground-to-air missile and gun weapon system mounted on a High Mobility Multi-purpose Wheeled Vehicle. The system protects against unmanned aircraft systems, cruise missiles, and fixed and rotary wing threats. Avenger provides day/night adverse weather operations, shoot on the move capability, rapid target engagement, and remote firing capability. It can be air dropped, lifted by helicopter and is air transportable. The system employs up to eight Stinger missiles to counter aerial threats and a .50 Caliber Machine Gun (M3P) for close-in ground and air threats. An Identification Friend or Foe (IFF) system aids in the identification of friendly aircraft in order to minimize the potential for fratricide. The Avenger fleet of 453 systems includes 169 systems that are equipped with a digital Slew-to-Cue (STC) capability to speed target detection and engagement.

The Avenger Modification - Service Life Extension Program (MOD-SLEP) addresses obsolescence of key Avenger components to ensure Avenger maintains operational capability through FY 2031.

The Vehicle Internal Communications System is a required subsystem that allows communication between the gunner and driver. It also interfaces with the IFF and missile electronics resulting in improved IFF capabilities. The digital VIC-5 replaces the analog VIC-1 that is currently fielded with the Avenger.

The Avenger Fire Control Computer (AFCC) is a required subsystem of the Avenger Slew-to-Cue system that processes and displays air tracks data to the gunner. The current AFCC is not supportable through FY 2031. The AFCC will undergo software and hardware upgrades that will enable the system to handle increased targeting capability realized with the latest version of the FAAD early warning system, ensure the system meets the latest Information Assurance (IA) requirements, and allow for future growth in areas such as improved fire control/longer range engagements.

The Mode 5 IFF is required to replace the Mode 4 IFF, in order to comply with Department of Defense standards. Incorporation of Mode 5 IFF into Avenger is critical to retaining the cooperative target identification capability, allowing Avenger to remain relevant and effective in Air Defense and Homeland Defense missions. Mode 5 IFF quantities above 453 also support the Stinger Man Portable Air Defense System Initiative.

The Assured Positioning Navigation and Timing (A-PNT) hardware will provide M-Code capability to the Avenger system.

The TC and AFCC are fielded to the 169 STC Avengers only. The M3P is fielded as spares through the supply system. The VIC-5, Mode 5 IFF and A-PNT hardware are fielded to all 453 of the Avenger systems.

In prior years, the Avenger MODS program also addressed the Slew-to-Cue upgrade, Targeting Consoles (TC) and M3P .50 CAL machine guns.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS	<b>Modification Number / Title:</b> CE8710 / AVENGER MODS
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

	<b>Secondary Distribution</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>
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.895	-	8.063	-	8.063	0.838	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.332	-	14.211	-	14.211	1.479	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>11.227</b>	-	<b>22.274</b>	-	<b>22.274</b>	<b>2.317</b>	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS					<b>Modification Number / Title:</b> CE8710 / AVENGER MODS			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> Avenger Basic and Slew-to-Cue Systems				<b>Modification Type:</b> Operational				<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>													
<b>Modification Item 1 of 6: Prior Modifications</b>													
A Kits													
Recurring													
Prior Year Modifications	466 / 67.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	466 / 67.153	
<b>Subtotal: Recurring</b>	<b>466 / 67.153</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>466 / 67.153</b>	
<b>Subtotal: Prior Modifications</b>	<b>466 / 67.153</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>466 / 67.153</b>	
<b>Modification Item 2 of 6: Vehicle Internal Communication (VIC-5)</b>													
A Kits													
Recurring													
Hardware	454 / 4.327	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	454 / 4.327	
Spares	- / 0.457	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.457	
Engineering Services	- / 0.335	- / 0.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.445	
Systems Engineering / Program Management	- / 2.952	- / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.182	
Fielding	- / 0.208	- / 0.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.420	
<b>Subtotal: Recurring</b>	<b>454 / 8.279</b>	<b>- / 0.552</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>454 / 8.831</b>	
B Kits													
Recurring													
Avenger to VIC 5 Cables	264 / 11.880	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	264 / 11.880	
Spares	- / 1.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.188	
Engineering Services	- / 1.185	- / 0.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.487	
Systems Engineering / Program Management	- / 2.415	- / 0.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.046	
Fielding	- / 0.672	- / 0.583	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.255	
<b>Subtotal: Recurring</b>	<b>264 / 17.340</b>	<b>- / 1.516</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>264 / 18.856</b>	
<b>Subtotal: Vehicle Internal Communication (VIC-5)</b>	<b>718 / 25.619</b>	<b>- / 2.068</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>718 / 27.687</b>	
<b>Modification Item 3 of 6: Mode 5/Identification Friend or Foe</b>													
A Kits													
Recurring													
Equipment	484 / 52.089	- / -	- / -	167 / 18.212	- / -	167 / 18.212	- / -	- / -	- / -	- / -	- / -	651 / 70.301	
Spares	- / 5.208	- / -	- / -	- / 1.820	- / -	- / 1.820	- / -	- / -	- / -	- / -	- / -	- / 7.028	

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS						<b>Modification Number / Title:</b> CE8710 / AVENGER MODS		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> Avenger Basic and Slew-to-Cue Systems				<b>Modification Type:</b> Operational				<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)
Engineering Services	- / 4.875	- / 1.278	- / -	- / 0.447	- / -	- / 0.447	- / -	- / -	- / -	- / -	- / -	- / 6.600
System Engineering / Program Management	- / 15.664	- / 2.669	- / -	- / 0.933	- / -	- / 0.933	- / -	- / -	- / -	- / -	- / -	- / 19.266
Fielding	- / 2.543	- / 2.463	- / -	- / 0.862	- / -	- / 0.862	- / -	- / -	- / -	- / -	- / -	- / 5.868
<b>Subtotal: Recurring</b>	<b>484 / 80.379</b>	<b>- / 6.410</b>	<b>- / -</b>	<b>167 / 22.274</b>	<b>- / -</b>	<b>167 / 22.274</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>651 / 109.063</b>
<b>Non-Recurring</b>												
Non-Recurring Production	- / 10.197	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.197
<b>Subtotal: Non-Recurring</b>	<b>- / 10.197</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 10.197</b>
<b>Subtotal: Mode 5/Identification Friend or Foe</b>	<b>484 / 90.576</b>	<b>- / 6.410</b>	<b>- / -</b>	<b>167 / 22.274</b>	<b>- / -</b>	<b>167 / 22.274</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>651 / 119.260</b>
<b>Modification Item 4 of 6: Avenger Fire Control Computer</b>												
A Kits												
Recurring												
Hardware	170 / 21.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 21.545
Spares	- / 2.155	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.155
Engineering Services	- / 2.448	- / 0.548	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.996
Systems Engineering / Program Management	- / 4.747	- / 1.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.892
Fielding	- / 1.052	- / 1.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.108
<b>Subtotal: Recurring</b>	<b>170 / 31.947</b>	<b>- / 2.749</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>170 / 34.696</b>
<b>Subtotal: Avenger Fire Control Computer</b>	<b>170 / 31.947</b>	<b>- / 2.749</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>170 / 34.696</b>
<b>Modification Item 5 of 6: Obsolescence Mitigation Items</b>												
A Kits												
Recurring												
Hardware	206 / 4.907	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	206 / 4.907
Engineering Services	- / 0.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.167
Systems Engineering / Program Management	- / 0.248	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.248
Fielding	- / 0.214	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.214
<b>Subtotal: Recurring</b>	<b>206 / 5.536</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>206 / 5.536</b>
<b>Subtotal: Obsolescence Mitigation Items</b>	<b>206 / 5.536</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>206 / 5.536</b>
<b>Modification Item 6 of 6: Assured Positioning Navigation and Timing hardware kits</b>												
A Kits												



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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS	<b>Modification Number / Title:</b> CE8710 / AVENGER MODS
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Models of Systems Affected:** Avenger Basic and Slew-to-Cue Systems **Modification Type:** Operational **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Recurring</b>												
Hardware	- / -	- / -	- / -	- / -	- / -	- / -	90 / 1.895	- / -	- / -	- / -	- / -	90 / 1.895
Spares	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.189	- / -	- / -	- / -	- / -	- / 0.189
Engineering Services	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.046	- / -	- / -	- / -	- / -	- / 0.046
Systems Engineering / Program Management	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.097	- / -	- / -	- / -	- / -	- / 0.097
Fielding	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.090	- / -	- / -	- / -	- / -	- / 0.090
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	90 / 2.317	- / -	- / -	- / -	- / -	90 / 2.317
<i>Subtotal: Assured Positioning Navigation and Timing hardware kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	90 / 2.317	- / -	- / -	- / -	- / -	90 / 2.317
<b>Subtotal: Procurement, All Modification Items</b>	2,044 / 220.831	- / 11.227	- / -	167 / 22.274	- / -	167 / 22.274	90 / 2.317	- / -	- / -	- / -	- / -	2,301 / 256.649
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 6:</b> Prior Modifications							
<b>Manufacturer Information</b>							
Manufacturer Name: Not Applicable				Manufacturer Location: Not Applicable			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Completed at Depot					<b>Installation Quantity:</b> 466		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 2 of 6:</b> Vehicle Internal Communication (VIC-5)							
<b>Manufacturer Information</b>							
Manufacturer Name: Northrop Grumman				Manufacturer Location: Tobyhanna, PA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 9			
<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> Fielded by Depot with Phase II kit					<b>Installation Quantity:</b> 453		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 3 of 6:</b> Mode 5/Identification Friend or Foe							
<b>Manufacturer Information</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Largo, FL			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 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			Feb 2024				
Delivery Dates			Feb 2025				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Fielded by Depot with Phase II kit					<b>Installation Quantity:</b> 453		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 4 of 6:</b> Avenger Fire Control Computer							
<b>Manufacturer Information</b>							
Manufacturer Name: Boeing				Manufacturer Location: Huntsville, AL			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 9			
<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> Fielded by Depot with Phase II kit					<b>Installation Quantity:</b> 169		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 5 of 6:</b> Obsolescence Mitigation Items							
<b>Manufacturer Information</b>							
Manufacturer Name: Varies				Manufacturer Location: Varies			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			
<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> Fielded by Depot					<b>Installation Quantity:</b> 169		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 2690CE8710 / AVENGER MODS			<b>Modification Number / Title:</b> CE8710 / AVENGER MODS	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 6 of 6:</b> Assured Positioning Navigation and Timing hardware kits							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Fielded by Depot teams					<b>Installation Quantity:</b> 90		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 3972C61700 / ITAS/TOW Mods
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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> )	1,805.638	4.561	5.154	-	-	-	-	-	-	-	-	1,815.353
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,805.638	4.561	5.154	-	-	-	-	-	-	-	-	1,815.353
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,805.638</b>	<b>4.561</b>	<b>5.154</b>	-	-	-	-	-	-	-	-	<b>1,815.353</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	31,677.860	456.100	-	-	-	-	-	-	-	-	-	27,094.821

**Description:**

The Improved Target Acquisition System (ITAS) with Far Target Location (FTL) is a combat proven system that provides long-range, lethal anti-armor and precision assault fires capability for Active Component and Army National Guard Infantry Brigade Combat Teams (IBCT) and Stryker Brigade Combat Teams (SBCT) equipped with Modified ITAS (MITAS) across the spectrum of contemporary operational environments. ITAS with the TOW Missile provides the capability to defeat armored vehicles, bunkers, and buildings at extended ranges in all battlefield conditions. ITAS's superior surveillance capability also enables the Soldier to shape the battlefield by detecting targets at long range and either engaging with TOW missiles or other weapon systems to destroy those targets with its ability to generate a 10 digit grid coordinate of a target location. The ITAS completed fielding to the total Army in December 2012. ITAS continues to be the weapon of choice in precision combat engagements.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	4.561	5.154	-	-	-	-	-	-	-
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	<b>4.561</b>	<b>5.154</b>	-	-	-	-	-	-	-

**Justification:**

No funding was requested for FY 2024.

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 Army **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods
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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> 0603778A
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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> )	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,755.767</b>	<b>273.856</b>	<b>218.359</b>	<b>168.198</b>	<b>-</b>	<b>168.198</b>	<b>185.479</b>	<b>166.770</b>	<b>167.021</b>	<b>167.193</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	20,901.988	9,128.533	-	-	-	-	-	-	-	-	Continuing	Continuing

**Description:**

The M270A1 Multiple Launch Rocket System (MLRS) launcher is a full-spectrum, combat-proven, all-weather, 24/7 lethal and responsive, precision strike weapon system. MLRS launchers support the Army's number one priority modernization effort, Long Range Precision Fires. MLRS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. MLRS is a tracked, indirect fire, rocket/missile launcher capable of firing two pods of precision rockets/missiles from the current and emerging Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), to include the Extended Range Guided Multiple Launch Rocket System (ER GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM) in support of Integrated Fires and Multi-Domain Operations.

In FY 2017, the Army directed the program office to modernize 160 obsolete, unserviceable MLRS M270A0s to M270A2s in an effort called MLRS Fleet Expansion. In addition to MLRS Fleet Expansion, the Army decided to extend the operational life of the existing M270A1 fleet to FY 2050 or beyond, which drives the requirement to upgrade the current fleet of 190 M270A1 launchers to the M270A2 configuration. The end state is 350 MLRS launchers with Improved Armored Cabs (IAC), Bradley commonality improvements (Bradley Engineering Change Proposals (ECPs) 1, 2, and 3), and Common Fire Control System (CFCS). Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes an M270A2.

Mod 1 (MLRS Fleet Expansion). The Fleet Expansion effort will modernize 160 MLRS M270A0s to M270A2s through a Public Private Partnership. The prime contractor and Red River Army Depot (RRAD) will rebuild, address obsolescence and provide selective upgrades to include IAC, Bradley commonality improvements), and CFCS. Mod Kit 1 funding ends in FY 2022.

Mod 2 (MLRS Fleet Upgrade). The MLRS Fleet upgrade effort will follow the same rebuild process and selective upgrades as the Fleet Expansion effort, by upgrading the current fleet of M270A1 launchers to M270A2 with IAC, Bradley commonality, and CFCS. Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes a M270A2. This upgrade effort will extend the operational life of these launchers to FY 2050 and beyond. Mod Kit 2 funding began in FY 2022.

Mod 3 (Improved Armored Cab). The Improved Armored Cab (IAC) Modification Kit provides crew survivability against Improvised Explosive Devices (IEDs) and small arms fire greater than or equal to the High Mobility Artillery Rocket System (HIMARS) Increased Crew Protection Cab (ICP). Additionally, IAC standardizes crew drill requirements between HIMARS and MLRS operators. Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes a M270A2. RRAD performs the integration of the IAC under a Public Private Partnership as part of the MLRS Fleet Expansion effort.

Mod 4 (APNT) (Assured Position, Navigation and Timing (APNT) Update). The APNT update will modernize 79 M270A2 Launchers. The remaining 271 M270A2 launchers to meet the AAO of 350 will be fielded with APNT and M-Code from the production line. The modernized hardware facilitates compliance with statutory requirements (M-Code) and improves system robustness against the GPS Jamming Threat (Anti-Jam).

The Army Acquisition Objective is 350 MLRS launchers.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications					<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods					
<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> 0603778A				
<b>Line Item MDAP/MAIS Code:</b> N/A										

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	<b>273.856</b>	<b>218.359</b>	<b>168.198</b>	-	<b>168.198</b>	<b>185.479</b>	<b>166.770</b>	<b>167.021</b>	<b>167.193</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications

**P-1 Line Item Number / Title:**  
6552C67500 / MLRS Mods

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0603778A

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

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	C67500 / MLRS Mods (.)				- / 1,755.767	- / 273.856	- / 218.359	- / 168.198	- / -	- / 168.198
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,755.767</b>	<b>- / 273.856</b>	<b>- / 218.359</b>	<b>- / 168.198</b>	<b>- / -</b>	<b>- / 168.198</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	C67500 / MLRS Mods (.)				- / 185.479	- / 166.770	- / 167.021	- / 167.193	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 185.479</b>	<b>- / 166.770</b>	<b>- / 167.021</b>	<b>- / 167.193</b>	<b>Continuing</b>	<b>Continuing</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:**

FY 2024 procurement dollars in the amount of \$168.198M provides modifications which result in 18 M270A2 MLRS launchers.

The MLRS Fleet Upgrade (Mod 2) addresses Bradley commonality and FCS hardware obsolescence.

The Improved Armored Cab (Mod 3) addresses survivability of the crew.

Application of MOD 2 and MOD 3 to an M270A1 result in a M270A2 Launcher.

APNT Modernization (Mod 4) effort continues for MLRS Fleet Expansion.

FY 2024 MLRS MODs funding decrease of \$50.161M procures to the Army's requirement of 18 M270A2 Launchers.

The Army intends to convert any price advantage created through contract negotiations, other service procurement, and foreign cooperative partnerships to continue the MLRS Fleet Upgrade (Mod 2) of MLRS launchers from M270A1 configuration to M270A2 configuration, and/or address obsolescence, modernization, cost reduction, and production initiatives. The Army will continue to incorporate modifications with the MLRS launcher to keep pace with the current and evolving threat.

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

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods	<b>Modification Number / Title:</b> C67500 / MLRS Mods

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<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> )	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,755.767</b>	<b>273.856</b>	<b>218.359</b>	<b>168.198</b>	-	<b>168.198</b>	<b>185.479</b>	<b>166.770</b>	<b>167.021</b>	<b>167.193</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	20,901.988	9,128.533	-	-	-	-	-	-	-	-	Continuing	Continuing

**Description:**

The M270A1 Multiple Launch Rocket System (MLRS) launcher is a full-spectrum, combat-proven, all-weather, 24/7 lethal and responsive, precision strike weapon system. MLRS launchers support the Army's number one priority modernization effort, Long Range Precision Fires. MLRS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. MLRS is a tracked, indirect fire, rocket/missile launcher capable of firing two pods of precision rockets/missiles from the current and emerging Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), to include the Extended Range Guided Multiple Launch Rocket System (ER GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM) in support of Integrated Fires and Multi-Domain Operations.

In FY 2017, the Army directed the program office to modernize 160 obsolete, unserviceable MLRS M270A0s to M270A2s in an effort called MLRS Fleet Expansion. In addition to MLRS Fleet Expansion, the Army decided to extend the operational life of the existing M270A1 fleet to FY 2050 or beyond, which drives the requirement to upgrade the current fleet of 190 M270A1 launchers to the M270A2 configuration. The end state is 350 MLRS launchers with Improved Armored Cabs (IAC), Bradley commonality improvements (Bradley Engineering Change Proposals (ECPs) 1, 2, and 3), and Common Fire Control System (CFCS). Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes an M270A2.

Mod 1 (MLRS Fleet Expansion). The Fleet Expansion effort will modernize 160 MLRS M270A0s to M270A2s through a Public Private Partnership. The prime contractor and Red River Army Depot (RRAD) will rebuild, address obsolescence and provide selective upgrades to include IAC, Bradley commonality improvements, and CFCS. Mod Kit 1 funding ends in FY 2022.

Mod 2 (MLRS Fleet Upgrade). The MLRS Fleet upgrade effort will follow the same rebuild process and selective upgrades as the Fleet Expansion effort, by upgrading the current fleet of M270A1 launchers to M270A2 with IAC, Bradley commonality, and CFCS. Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes a M270A2. This upgrade effort will extend the operational life of these launchers to FY 2050 and beyond. Mod Kit 2 funding began in FY 2022.

Mod 3 (Improved Armored Cab). The Improved Armored Cab (IAC) Modification Kit provides crew survivability against Improvised Explosive Devices (IEDs) and small arms fire greater than or equal to the High Mobility Artillery Rocket System (HIMARS) Increased Crew Protection Cab (ICP). Additionally, IAC standardizes crew drill requirements between HIMARS and MLRS operators. Upon integration of the IAC Modification Kit on a M270A1, the launcher permanently becomes a M270A2. RRAD performs the integration of the IAC under a Public Private Partnership as part of the MLRS Fleet Expansion effort.

Mod 4 (APNT) (Assured Position, Navigation and Timing (APNT) Update). The APNT update will modernize 79 M270A2 Launchers. The remaining 271 M270A2 launchers to meet the AAO of 350 will be fielded with APNT and M-Code from the production line. The modernized hardware facilitates compliance with statutory requirements (M-Code) and improves system robustness against the GPS Jamming Threat (Anti-Jam).

The Army Acquisition Objective is 350 MLRS launchers.

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods	<b>Modification Number / Title:</b> C67500 / MLRS Mods
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10				<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods				<b>Modification Number / Title:</b> C67500 / MLRS Mods					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> M270A1				<b>Modification Type:</b>				<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>													
<b>Modification Item 1 of 4: MLRS Fleet Expansion</b>													
A Kits													
Recurring													
Obsolescence Mitigation (inactive)	- / 458.873	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 458.873	
System Engineering Program Management	- / 64.034	- / 10.481	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.515	
Transmissions and Engines	- / 60.322	- / 7.988	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 68.310	
M270A2 Launcher Fleet Expansion	134 / 873.077	26 / 162.329	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 1,035.406	
Fielding	- / -	- / 8.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.822	
Training	- / -	- / 4.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.057	
<b>Subtotal: Recurring</b>	<b>134 / 1,456.306</b>	<b>26 / 193.677</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>160 / 1,649.983</b>	
Non-Recurring													
Obsolescence Mitigation Bradley Chassis	- / 46.693	- / 6.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.338	
Obsolescence Mitigation Fire Control Sys	- / 27.091	- / 1.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.387	
Launcher Risk Reduction	- / 17.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.417	
Government Testing	- / 4.010	- / 0.865	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.875	
Initial Spares	- / 29.701	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.701	
Training	- / 8.602	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.602	
<b>Subtotal: Non-Recurring</b>	<b>- / 133.514</b>	<b>- / 8.806</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 142.320</b>	
<b>Subtotal: MLRS Fleet Expansion</b>	<b>134 / 1,589.820</b>	<b>26 / 202.483</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>160 / 1,792.303</b>	
<b>Modification Item 2 of 4: MLRS Fleet Upgrade</b>													
A Kits													
Recurring													
System Engineering Program Management	- / -	- / 5.448	- / 16.248	- / 16.573	- / -	- / 16.573	- / 16.904	- / 17.242	- / 17.587	- / 17.939	Continuing	Continuing	
Transmissions and Engines	- / -	- / 4.025	- / 10.524	- / 10.030	- / -	- / 10.030	- / 11.764	- / 7.825	- / 7.982	- / 8.141	Continuing	Continuing	
M270A2 Launcher Upgrade	- / -	4 / 25.221	21 / 142.190	18 / 104.647	- / -	18 / 104.647	21 / 123.404	13 / 111.572	13 / 112.715	13 / 114.971	Continuing	Continuing	
Fielding	- / -	- / 3.202	- / 2.061	- / 2.154	- / -	- / 2.154	- / 2.197	- / 2.241	- / 2.286	- / 2.331	Continuing	Continuing	
Training	- / -	- / 1.299	- / 1.319	- / 1.033	- / -	- / 1.033	- / 0.703	- / -	- / -	- / -	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>- / -</b>	<b>4 / 39.195</b>	<b>21 / 172.342</b>	<b>18 / 134.437</b>	<b>- / -</b>	<b>18 / 134.437</b>	<b>21 / 154.972</b>	<b>13 / 138.880</b>	<b>13 / 140.570</b>	<b>13 / 143.382</b>	<b>Continuing</b>	<b>Continuing</b>	
Non-Recurring													
Obsolescence Mitigation Bradley Chassis	- / -	- / 0.928	- / 9.990	- / 8.104	- / -	- / 8.104	- / 4.300	- / 6.344	- / 4.184	- / 3.672	Continuing	Continuing	
Obsolescence Mitigation Fire Control Sys	- / -	- / 0.199	- / 4.025	- / 4.029	- / -	- / 4.029	- / 3.262	- / 3.082	- / 2.690	- / 2.465	Continuing	Continuing	
Government Testing	- / -	- / 0.133	- / 1.018	- / 1.038	- / -	- / 1.038	- / 1.059	- / 1.080	- / 1.102	- / 1.124	Continuing	Continuing	

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods					<b>Modification Number / Title:</b> C67500 / MLRS Mods			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> M270A1				<b>Modification Type:</b> .				<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</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>	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Non-Recurring</i>	- / -	- / 1.260	- / 15.033	- / 13.171	- / -	- / 13.171	- / 8.621	- / 10.506	- / 7.976	- / 7.261	<i>Continuing</i>	<i>Continuing</i>	
<i>Subtotal: MLRS Fleet Upgrade</i>	- / -	4 / 40.455	21 / 187.375	18 / 147.608	- / -	18 / 147.608	21 / 163.593	13 / 149.386	13 / 148.546	13 / 150.643	<i>Continuing</i>	<i>Continuing</i>	
<b>Modification Item 3 of 4: Improved Armored Cab (IAC)</b>													
A Kits													
Recurring													
Production	179 / 165.947	30 / 26.567	21 / 20.960	18 / 16.560	- / -	18 / 16.560	21 / 19.706	13 / 15.907	13 / 16.225	13 / 16.550	<i>Continuing</i>	<i>Continuing</i>	
IAC Spares	- / -	5 / 4.351	3 / 2.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	<i>Continuing</i>	<i>Continuing</i>	
<i>Subtotal: Recurring</i>	179 / 165.947	35 / 30.918	24 / 23.954	18 / 16.560	- / -	18 / 16.560	21 / 19.706	13 / 15.907	13 / 16.225	13 / 16.550	<i>Continuing</i>	<i>Continuing</i>	
<i>Subtotal: Improved Armored Cab (IAC)</i>	179 / 165.947	35 / 30.918	24 / 23.954	18 / 16.560	- / -	18 / 16.560	21 / 19.706	13 / 15.907	13 / 16.225	13 / 16.550	<i>Continuing</i>	<i>Continuing</i>	
<b>Modification Item 4 of 4: APNT</b>													
A Kits													
Recurring													
APNT	- / -	- / -	32 / 7.030	18 / 4.030	- / -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- / -	- / -	79 / 16.967	
<i>Subtotal: Recurring</i>	- / -	- / -	32 / 7.030	18 / 4.030	- / -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- / -	- / -	79 / 16.967	
<i>Subtotal: APNT</i>	- / -	- / -	32 / 7.030	18 / 4.030	- / -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- / -	- / -	79 / 16.967	
<i>Subtotal: Procurement, All Modification Items</i>	313 / 1,755.767	65 / 273.856	77 / 218.359	54 / 168.198	- / -	54 / 168.198	53 / 185.479	33 / 166.770	37 / 167.021	26 / 167.193	<i>Continuing</i>	<i>Continuing</i>	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	<i>Continuing</i>	<i>Continuing</i>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods			<b>Modification Number / Title:</b> C67500 / MLRS Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 4:</b> MLRS Fleet Expansion							
<b>Manufacturer Information</b>							
Manufacturer Name: Lockheed Martin Missiles & Fire Control				Manufacturer Location: Camden, AR			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 28			
<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						
Delivery Dates	Aug 2024						
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods			<b>Modification Number / Title:</b> C67500 / MLRS Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 4:</b> MLRS Fleet Upgrade							
<b>Manufacturer Information</b>							
Manufacturer Name: Lockheed Martin Missiles & Fire Control				Manufacturer Location: Camden, AR			
Administrative Leadtime (in Months): 3				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	Apr 2022	Apr 2023	Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028
Delivery Dates	Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028	Dec 2029	Dec 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods			<b>Modification Number / Title:</b> C67500 / MLRS Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 3 of 4:</b> Improved Armored Cab (IAC)							
<b>Manufacturer Information</b>							
Manufacturer Name: Loc Performance Products, LLC				Manufacturer Location: Plymouth, MI			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 21			
<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	May 2022	May 2023	May 2024	May 2025	May 2026	May 2027	May 2028
Delivery Dates	May 2024	May 2025	May 2026	May 2027	May 2028	May 2029	May 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Depot					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6552C67500 / MLRS Mods			<b>Modification Number / Title:</b> C67500 / MLRS Mods	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 4 of 4:</b> APNT							
<b>Manufacturer Information</b>							
Manufacturer Name: Strategic and Operational Rockets & Missiles				Manufacturer Location: Redstone Arsenal, AL			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 9			
<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 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	
Delivery Dates		Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028	
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications

**P-1 Line Item Number / Title:**  
6580C67501 / HIMARS Modifications

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0210600A, 0603778A, 0210608A

**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> )	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>263.812</b>	<b>7.192</b>	<b>20.468</b>	<b>76.266</b>	<b>-</b>	<b>76.266</b>	<b>49.485</b>	<b>54.065</b>	<b>54.107</b>	<b>54.163</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The M142 High Mobility Artillery Rocket System (HIMARS) launcher is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system. HIMARS launchers support the Army's number one priority modernization effort, Long Range Precision Fires. HIMARS provides critical missile precision strike, operational shaping fires, counter-fire, and close support destructive and suppressive fires. HIMARS is a C-130 or C-17 transportable, wheeled, indirect fire, rocket/missile launcher capable of firing one pod of precision rockets/missiles from the current and future Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), to include the Guided Multiple Launch Rocket System (GMLRS), Extended Range (ER) GMLRS, the Army Tactical Missile System (ATACMS), and the Precision Strike Missile in support of Integrated Fires and Multi-Domain Operations.

Mod 1 (M142 Mods). Modifications to address safety, operational-related, chassis, Fire Control System, and Command, Control, Communications, Computer, and Intelligence (C4I) obsolescence issues within the HIMARS fleet. Additionally, procures system-specific training devices required to support the HIMARS Vehicle and Maintainer training courses. CFCS obsolescence mitigation replaces obsolete components as well as modernizes the board layout from the antiquated through-hole design to surface mount technology. This allows for continued production of CFCS.

Mod 2 (CFCS). Modifications to field the Common Fire Control System (CFCS) to the HIMARS Launcher fleet. CFCS replaces the obsolete Universal Fire Control System (UFCS) that cannot be procured as designed. CFCS will provide the capability to launch all current and future MFOM and provide an updated and more intuitive user interface that will be common to both HIMARS and MLRS launchers. CFCS will reduce training costs and operations and maintenance costs. The fielding of CFCS on the HIMARS Launcher fleet mitigates obsolescence issues. Mod Kit 2 (CFCS) funding begins in FY 2024.

Mod 3 (APNT). (Assured Position, Navigation and Timing (APNT) Mods). This APNT update provides anti jam capability to UFCS-equipped launchers and CFCS-equipped launchers. The UFCS-equipped launchers will integrate BAE's Digital GPS Anti-Jam (AJ) Receiver (DIGAR) and a seven element Controlled Reception Pattern Antenna (CRPA). The DIGAR protects against jammer through digital beamforming. AJ capability is provided by integrating BAE's DIGAR and a seven element CRPA. The CFCS NavStrike3.7 GPS receiver is upgraded to NavStrike-M, which is M-Code capable. Mod Kit 3 funding began in FY 2023.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.091	10.699	76.266	-	76.266	49.485	54.065	54.107	54.163

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications	<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications
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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> 0210600A, 0603778A, 0210608A
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**Line Item MDAP/MAIS Code:** N/A

	<b>Secondary Distribution</b>	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.101	9.769	-	-	-	-	-	-	-
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>7.192</b>	<b>20.468</b>	<b>76.266</b>	-	<b>76.266</b>	<b>49.485</b>	<b>54.065</b>	<b>54.107</b>	<b>54.163</b>

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10: Modifications		<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications
<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> 0210600A, 0603778A, 0210608A

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

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	C67501 / HIMARS Modifications (Operational, Reliability, Safety, Crew Survivability)				- / 263.812	- / 7.192	- / 20.468	- / 76.266	- / -	- / 76.266
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 263.812</b>	<b>- / 7.192</b>	<b>- / 20.468</b>	<b>- / 76.266</b>	<b>- / -</b>	<b>- / 76.266</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	C67501 / HIMARS Modifications (Operational, Reliability, Safety, Crew Survivability)				- / 49.485	- / 54.065	- / 54.107	- / 54.163	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 49.485</b>	<b>- / 54.065</b>	<b>- / 54.107</b>	<b>- / 54.163</b>	<b>Continuing</b>	<b>Continuing</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:**  
 FY 2024 Base procurement dollars in the amount of \$76.266 million support obsolescence mitigation and other design modifications of the M142 High Mobility Artillery Rocket System (HIMARS) fleet (Mod Kit 1), CFCS Mods (Mod Kit 2), and APNT mods (Mod Kit 3).

Mod Kit 1. HIMARS Modifications funding will include, but are not limited to, the following: updating the Family of Medium Tactical Vehicle carrier and the Launcher-Loader Module drawing packages and Technical Data Packages through the prime contractor and the government product office; updating the Interactive Electronic Technical Manuals for Soldiers to perform operator maintenance; upgrading the Diagnostic Trainers and HIMARS Mock-up Trainers due to obsolescence. Systems engineering efforts will address obsolescence issues and apply necessary modifications to the major HIMARS components of the Carrier, Launcher-Loader Module, and Fire Control System. CFCS obsolescence mitigation replaces obsolete components as well as modernizes the board layout from the antiquated through-hole design to surface mount technology. This allows for continued production of CFCS. Base procurement dollars will also incorporate modifications to the HIMARS launcher to meet the current and evolving threat.

Mod Kit 2. FY 2024 begins the funding for Mod Kit 2 (CFCS). Procures 37 CFCS kits to modernize the HIMARS launcher fire control, while providing the capability to launch all current and future MFOM.

Mod Kit 3. FY 2024 continues the Mod Kit 3 (APNT update). Procures 231 DIGAR kits and 37 NavStrike-M kits that will modernize fielded HIMARS CFCS launchers. DIGAR kits will protect fielded HIMARS launchers from GPS jamming. The modernized hardware facilitates compliance with statutory requirements (NavStrike-M) and improves system robustness against the GPS Jamming Threat (DIGAR). NavStrike-M requires CFCS Kit (Mod 2) unique hardware in order to integrate into the HIMARS launcher.

HIMARS MODS Funding increase (\$55.798 million) from FY 2023 to FY 2024 is primarily from increased CFCS Obsolescence Mitigation (Mod Kit 1), CFCS (Mod Kit 2) funding, and increased APNT (Mod Kit 3) funding. The funding increase from FY 2023 to FY 2024 accelerates the retirement of the obsolete UFCS (increase in Mod Kit 1) and accelerates the retrofit of the CFCS (increase in Mod Kit 2).

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

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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications	<b>Modification Number / Title:</b> C67501 / HIMARS Modifications

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>MDAP/MAIS Code:</b>						
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> )	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>263.812</b>	<b>7.192</b>	<b>20.468</b>	<b>76.266</b>	-	<b>76.266</b>	<b>49.485</b>	<b>54.065</b>	<b>54.107</b>	<b>54.163</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The M142 High Mobility Artillery Rocket System (HIMARS) launcher is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system. HIMARS launchers support the Army's number one priority modernization effort, Long Range Precision Fires. HIMARS provides critical missile precision strike, operational shaping fires, counter-fire, and close support destructive and suppressive fires. HIMARS is a C-130 or C-17 transportable, wheeled, indirect fire, rocket/missile launcher capable of firing one pod of precision rockets/missiles from the current and future Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), to include the Guided Multiple Launch Rocket System (GMLRS), Extended Range (ER) GMLRS, the Army Tactical Missile System (ATACMS), and the Precision Strike Missile in support of Integrated Fires and Multi-Domain Operations.

Mod 1 (M142 Mods). Modifications to address safety, operational-related, chassis, Fire Control System, and Command, Control, Communications, Computer, and Intelligence (C4I) obsolescence issues within the HIMARS fleet. Additionally, procures system-specific training devices required to support the HIMARS Vehicle and Maintainer training courses. CFCS obsolescence mitigation replaces obsolete components as well as modernizes the board layout from the antiquated through-hole design to surface mount technology. This allows for continued production of CFCS.

Mod 2 (CFCS). Modifications to field the Common Fire Control System (CFCS) to the HIMARS Launcher fleet. CFCS replaces the obsolete Universal Fire Control System (UFCS) that cannot be procured as designed. CFCS will provide the capability to launch all current and future MFOM and provide an updated and more intuitive user interface that will be common to both HIMARS and MLRS launchers. CFCS will reduce training costs and operations and maintenance costs. The fielding of CFCS on the HIMARS Launcher fleet mitigates obsolescence issues. Mod Kit 2 (CFCS) funding begins in FY 2024.

Mod 3 (APNT). (Assured Position, Navigation and Timing (APNT) Mods). This APNT update provides anti jam capability to UFCS-equipped launchers and CFCS-equipped launchers. The UFCS-equipped launchers will integrate BAE's Digital GPS Anti-Jam (AJ) Receiver (DIGAR) and a seven element Controlled Reception Pattern Antenna (CRPA). The DIGAR protects against jammer through digital beamforming. AJ capability is provided by integrating BAE's DIGAR and a seven element CRPA. The CFCS NavStrike3.7 GPS receiver is upgraded to NavStrike-M, which is M-Code capable. Mod Kit 3 funding began in FY 2023.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.091	10.699	76.266	-	76.266	49.485	54.065	54.107	54.163
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.101	9.769	-	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications	<b>Modification Number / Title:</b> C67501 / HIMARS Modifications
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163



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<b>Exhibit P-3a, Individual Modification: PB 2024 Army</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10					<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications					<b>Modification Number / Title:</b> C67501 / HIMARS Modifications			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> M142 High Mobility Artillery Rocket System				<b>Modification Type:</b> Operational, Reliability, Safety, Crew Survivability				<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>													
<b>Modification Item 1 of 3: M142 Mods</b>													
A Kits													
Recurring													
Program Management	- / 5.231	- / 1.493	- / 1.523	- / 1.553	- / -	- / 1.553	- / 1.584	- / 1.616	- / 1.648	- / 1.715	Continuing	Continuing	
Obsolescence Mitigation	- / 240.687	- / 3.440	- / 4.584	- / 4.559	- / -	- / 4.559	- / 4.464	- / 4.831	- / 4.605	- / 5.471	Continuing	Continuing	
Industrial Facilities	- / 2.499	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Peculiar Support Equipment	- / 0.626	- / 0.105	- / 0.140	- / 0.148	- / -	- / 0.148	- / 0.152	- / 0.155	- / 0.158	- / 0.161	Continuing	Continuing	
Training	- / 2.361	- / 0.397	- / 0.528	- / 0.559	- / -	- / 0.559	- / 0.574	- / 0.586	- / 0.598	- / 0.610	Continuing	Continuing	
Test & Evaluation (Acceptance Testing)	- / 4.282	- / 0.720	- / 0.958	- / 1.013	- / -	- / 1.013	- / 1.040	- / 1.061	- / 1.082	- / 1.103	Continuing	Continuing	
Systems Engineering	- / 8.126	- / 1.037	- / 1.860	- / 2.221	- / -	- / 2.221	- / 2.276	- / 2.303	- / 2.336	- / 2.500	Continuing	Continuing	
CFCS Obsolescence Mitigation	- / -	- / -	- / -	- / 19.695	- / -	- / 19.695	- / -	- / -	- / -	- / -	- / -	- / 19.695	
<b>Subtotal: Recurring</b>	<b>- / 263.812</b>	<b>- / 7.192</b>	<b>- / 9.593</b>	<b>- / 29.748</b>	<b>- / -</b>	<b>- / 29.748</b>	<b>- / 10.090</b>	<b>- / 10.552</b>	<b>- / 10.427</b>	<b>- / 11.560</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: M142 Mods</b>	<b>- / 263.812</b>	<b>- / 7.192</b>	<b>- / 9.593</b>	<b>- / 29.748</b>	<b>- / -</b>	<b>- / 29.748</b>	<b>- / 10.090</b>	<b>- / 10.552</b>	<b>- / 10.427</b>	<b>- / 11.560</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Modification Item 2 of 3: CFCS Kit</b>													
A Kits													
Recurring													
CFCS A Kit	- / -	- / -	- / -	37 / 29.008	- / -	37 / 29.008	44 / 35.200	53 / 43.248	52 / 43.420	52 / 42.343	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>37 / 29.008</b>	<b>- / -</b>	<b>37 / 29.008</b>	<b>44 / 35.200</b>	<b>53 / 43.248</b>	<b>52 / 43.420</b>	<b>52 / 42.343</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: CFCS Kit</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>37 / 29.008</b>	<b>- / -</b>	<b>37 / 29.008</b>	<b>44 / 35.200</b>	<b>53 / 43.248</b>	<b>52 / 43.420</b>	<b>52 / 42.343</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Modification Item 3 of 3: APNT Kit</b>													
A Kits													
Recurring													
DIGAR Kits	- / -	- / -	145 / 10.875	231 / 17.325	- / -	231 / 17.325	53 / 3.975	- / -	- / -	- / -	- / -	429 / 32.175	
NavStrike-M Kits	- / -	- / -	- / -	37 / 0.185	- / -	37 / 0.185	44 / 0.220	53 / 0.265	52 / 0.260	52 / 0.260	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>- / -</b>	<b>- / -</b>	<b>145 / 10.875</b>	<b>268 / 17.510</b>	<b>- / -</b>	<b>268 / 17.510</b>	<b>97 / 4.195</b>	<b>53 / 0.265</b>	<b>52 / 0.260</b>	<b>52 / 0.260</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: APNT Kit</b>	<b>- / -</b>	<b>- / -</b>	<b>145 / 10.875</b>	<b>268 / 17.510</b>	<b>- / -</b>	<b>268 / 17.510</b>	<b>97 / 4.195</b>	<b>53 / 0.265</b>	<b>52 / 0.260</b>	<b>52 / 0.260</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: Procurement, All Modification Items</b>	<b>- / 263.812</b>	<b>- / 7.192</b>	<b>145 / 20.468</b>	<b>305 / 76.266</b>	<b>- / -</b>	<b>305 / 76.266</b>	<b>141 / 49.485</b>	<b>106 / 54.065</b>	<b>104 / 54.107</b>	<b>104 / 54.163</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Installation</b>													
<b>Subtotal: Installation</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10	<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications	<b>Modification Number / Title:</b> C67501 / HIMARS Modifications
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

<b>Models of Systems Affected:</b> M142 High Mobility Artillery Rocket System	<b>Modification Type:</b> Operational, Reliability, Safety, Crew Survivability	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications			<b>Modification Number / Title:</b> C67501 / HIMARS Modifications	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 3:</b> M142 Mods							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<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> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications			<b>Modification Number / Title:</b> C67501 / HIMARS Modifications	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 2 of 3:</b> CFCS Kit							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 21			
<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 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028
Delivery Dates			Apr 2026	Apr 2027	Apr 2028	Apr 2029	Apr 2030
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 03 / 10			<b>P-1 Line Item Number / Title:</b> 6580C67501 / HIMARS Modifications			<b>Modification Number / Title:</b> C67501 / HIMARS Modifications	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 3 of 3:</b> APNT Kit							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 9			
<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 2023	Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028
Delivery Dates		Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028	Apr 2029
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Field Artillery Launchers Product Office					<b>Installation Quantity:</b> 0		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10: Spares And Repair Parts	<b>P-1 Line Item Number / Title:</b> 1242CA0250 / Spares And 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> )	389.128	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	389.128	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>389.128</b>	<b>5.019</b>	<b>6.508</b>	<b>6.573</b>	-	<b>6.573</b>	<b>6.682</b>	<b>6.658</b>	<b>6.667</b>	<b>6.674</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY 2024 funds provide for the procurement of spares to support initial fielding of new or modified end items.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	<b>5.019</b>	<b>6.508</b>	<b>6.573</b>	-	<b>6.573</b>	<b>6.682</b>	<b>6.658</b>	<b>6.667</b>	<b>6.674</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10: Spares And Repair Parts **P-1 Line Item Number / Title:** 1242CA0250 / Spares And Repair Parts

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

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

Exhibits Schedule					Prior Years	FY 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	CA0267 / PATRIOT MODIFICATION INITIAL SPARES				- / 389.128	- / 5.019	- / 6.508	- / 6.573	- / -	- / 6.573
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 389.128</b>	<b>- / 5.019</b>	<b>- / 6.508</b>	<b>- / 6.573</b>	<b>- / -</b>	<b>- / 6.573</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:**  
 FY 2024 procurement dollars in the amount of \$6.521 million support continuing acquisition of Patriot Modification Initial Spares. The funds in this account procure depot level repairable (DLR) secondary items from Supply Management, Army activities of the Army Working Capital Fund and commercial life cycle support vendors. To provide initial issue spares support, funds are required in the same year that end items are fielded.

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

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 04 / 10	<b>P-1 Line Item Number / Title:</b> 1242CA0250 / Spares And Repair Parts	<b>Item Number / Title [DODIC]:</b> CA0267 / PATRIOT MODIFICATION INITIAL SPARES

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<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 <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	389.128	5.019	6.508	6.573	-	6.573
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	389.128	5.019	6.508	6.573	-	6.573
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>389.128</b>	<b>5.019</b>	<b>6.508</b>	<b>6.573</b>	<b>-</b>	<b>6.573</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 Thousands)</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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
CA0267 / PATRIOT MODIFICATION INITIAL SPARES	-	-	389.128	-	-	5.019	-	-	6.508	-	-	6.573	-	-	-	-	-	6.573
<i>Subtotal: Non Recurring Cost</i>	-	-	389.128	-	-	5.019	-	-	6.508	-	-	6.573	-	-	-	-	-	6.573
<i>Subtotal: Hardware Cost</i>	-	-	<b>389.128</b>	-	-	<b>5.019</b>	-	-	<b>6.508</b>	-	-	<b>6.573</b>	-	-	-	-	-	<b>6.573</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>389.128</b>	-	-	<b>5.019</b>	-	-	<b>6.508</b>	-	-	<b>6.573</b>	-	-	-	-	-	<b>6.573</b>

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	5.019	6.508	6.573	-	6.573
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	Total Obligation Authority	<b>5.019</b>	<b>6.508</b>	<b>6.573</b>	<b>-</b>	<b>6.573</b>



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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA 10: Support Equipment & Facilities **P-1 Line Item Number / Title:** 1242C93000 / Air Defense Targets

**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> )	1,038	666	657	667	-	667	680	704	652	683	-	5,747
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	467.071	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317	-	551.386
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	467.071	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317	-	551.386
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>467.071</b>	<b>10.618</b>	<b>11.317</b>	<b>11.701</b>	<b>-</b>	<b>11.701</b>	<b>12.100</b>	<b>12.923</b>	<b>12.339</b>	<b>13.317</b>	<b>-</b>	<b>551.386</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	449.972	15.943	17.225	17.543	-	17.543	17.794	18.357	18.925	19.498	-	95.943

**Description:**

Air Defense Artillery (ADA) Targets program procures target hardware and associated training devices to include scoring, payload, and ground support equipment to provide equipment to facilitate Air Defense Artillery Soldiers and units to conduct required training. This training consists of Department of the Army Pamphlet (DA PAM) 350-38 (Standards in Training Commission) required gunnery tables and aerial target tracking, training, and scoring. Target systems are also available to support collective training exercises and Force Development Test and Experimentation (FDT&E) investigations of engagement techniques against small unmanned aircraft systems.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army									
Quantity	666	657	667	-	667	680	704	652	683
Total Obligation Authority	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317
<b>Total:</b>									
<b>Secondary Distribution</b>									
Quantity	<b>666</b>	<b>657</b>	<b>667</b>	<b>-</b>	<b>667</b>	<b>680</b>	<b>704</b>	<b>652</b>	<b>683</b>
Total Obligation Authority	<b>10.618</b>	<b>11.317</b>	<b>11.701</b>	<b>-</b>	<b>11.701</b>	<b>12.100</b>	<b>12.923</b>	<b>12.339</b>	<b>13.317</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA 10: Support Equipment & Facilities **P-1 Line Item Number / Title:** 1242C93000 / Air Defense Targets

**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-5	C93000 / Air Defense Targets	P-5a			1,038 / 467.071	666 / 10.618	657 / 11.317	667 / 11.701	- / -	667 / 11.701
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,038 / 467.071</b>	<b>666 / 10.618</b>	<b>657 / 11.317</b>	<b>667 / 11.701</b>	<b>- / -</b>	<b>667 / 11.701</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:**  
 FY 2024 Base procurement dollars in the amount of \$11.701 million supports Air Defense Artillery Targets and scoring, payload, and ground support equipment for training required in DA PAM 350-38, Standards in Weapons Training. These items support gunnery tables, aerial target tracking (Captive Flight Trainer (CFT) and Tracking Head Trainer (THT) 5.56) training, Missile Live Fire training when missiles are allocated in accordance with the Missile Distribution Plan, and U.S. Army Avenger and Initial Maneuver Short-Range Air Defense (IM-SHORAD) systems worldwide. Training requirements are generated by Department of the Army Major Field Commands, Training Centers, Division Level Commands, and real-world mission rehearsals. These field requirements have been reviewed and validated against ongoing force restructuring and are consistent with the approved training doctrine. These targets are necessary to meet Army Regulation 220-1 (Army Unit Status Reporting and Force Registration) training requirements, training strategies and gunnery standards, and Soldier qualification in support of unit readiness. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>											<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 05 / 10						<b>P-1 Line Item Number / Title:</b> 1242C93000 / Air Defense Targets					<b>Item Number / Title [DODIC]:</b> C93000 / Air Defense Targets				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<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)				1,038		666		657		667		-		667	
Gross/Weapon System Cost (\$ in Millions)				467.071		10.618		11.317		11.701		-		11.701	
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-	
Net Procurement (P-1) (\$ in Millions)				467.071		10.618		11.317		11.701		-		11.701	
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-	
<b>Total Obligation Authority (\$ in Millions)</b>				<b>467.071</b>		<b>10.618</b>		<b>11.317</b>		<b>11.701</b>		<b>-</b>		<b>11.701</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)				-		-		-		-		-		-	
Gross/Weapon System Unit Cost (\$ in Thousands)				449.972		15.943		17.225		17.543		-		17.543	

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Remotely Piloted Vehicle Target (RPVT) <sup>(†)</sup>	210.075	2,115	444.309	6.683	666	4.451	8.178	657	5.373	9.160	677	6.201	-	-	-	9.160	677	6.201
Infrared Kit Payload <sup>(†)</sup>	0.312	2,114	0.660	0.335	666	0.223	0.374	657	0.246	0.420	677	0.284	-	-	-	0.420	677	0.284
Launcher <sup>(†)</sup>	29.294	17	0.498	33.200	5	0.166	41.000	5	0.205	44.270	4	0.177	-	-	-	44.270	4	0.177
Manual Navigation GCS <sup>(†)</sup>	11.617	47	0.546	12.000	5	0.060	14.600	5	0.073	16.100	5	0.081	-	-	-	16.100	5	0.081
BVR Navigation GCS <sup>(†)</sup>	31.136	22	0.685	33.500	10	0.335	41.400	5	0.207	40.440	2	0.081	-	-	-	40.440	2	0.081
BVR Payload <sup>(†)</sup>	13.278	115	1.527	15.800	65	1.027	23.100	10	0.231	22.100	5	0.111	-	-	-	22.100	5	0.111
Acoustic Scoring Payload <sup>(†)</sup>	13.782	156	2.150	15.000	55	0.825	18.000	50	0.900	17.800	50	0.890	-	-	-	17.800	50	0.890
Acoustic Scoring GCS <sup>(†)</sup>	47.107	28	1.319	50.000	2	0.100	62.500	2	0.125	60.770	2	0.122	-	-	-	60.770	2	0.122
Radar Scoring Payload <sup>(†)</sup>	18.990	100	1.899	22.400	55	1.232	18.000	50	0.900	24.310	30	0.729	-	-	-	24.310	30	0.729
Radar Scoring GCS <sup>(†)</sup>	18.000	4	0.072	18.000	2	0.036	22.500	2	0.045	20.740	1	0.021	-	-	-	20.740	1	0.021
RPVT Lighting Kit Payload <sup>(†)</sup>	0.313	163	0.051	0.260	100	0.026	0.330	100	0.033	0.350	100	0.035	-	-	-	0.350	100	0.035
Program Management Support	1,753.800	5	8.769	1,792.000	1	1.792	2,693.000	1	2.693	2,819.000	1	2.819	-	-	-	2,819.000	1	2.819

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<b>Exhibit P-5, Cost Analysis: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 05 / 10	<b>P-1 Line Item Number / Title:</b> 1242C93000 / Air Defense Targets	<b>Item Number / Title [DODIC]:</b> C93000 / Air Defense Targets

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Smoke Generator Payload <sup>(†)</sup>	0.398	83	0.033	0.500	30	0.015	0.600	30	0.018	0.680	30	0.020	-	-	-	0.680	30	0.020
Over the Horizon BVR Payload <sup>(†)</sup>	21.448	29	0.622	22.000	15	0.330	26.800	10	0.268	25.900	5	0.130	-	-	-	25.900	5	0.130
<i>Subtotal: Recurring Cost</i>	-	-	463.140	-	-	10.618	-	-	11.317	-	-	11.701	-	-	-	-	-	11.701
<i>Subtotal: Flyaway Cost</i>	-	-	463.140	-	-	10.618	-	-	11.317	-	-	11.701	-	-	-	-	-	11.701
<b>Software Cost</b>																		
<b>Recurring Cost</b>																		
Technical Refresh - Windows OS Update	1,965.000	2	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software Cost</i>	-	-	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>449.972</b>	<b>1,038</b>	<b>467.071</b>	<b>15.943</b>	<b>666</b>	<b>10.618</b>	<b>17.225</b>	<b>657</b>	<b>11.317</b>	<b>17.543</b>	<b>667</b>	<b>11.701</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17.543</b>	<b>667</b>	<b>11.701</b>

**Remarks:**

FY 2023 increase in unit costs is a result of inflation in the cost of materials and quantities of items being procured.

FY 2024 increase in unit costs is a result of a new five year contract awarded in June 2022 for Air Defense Artillery Targets hardware and services. Prices used in the FY 2023 P-Form were based on the Government's estimate and the FY 2024 costs represent actual contract prices. These contracted prices represent the best value to the Government following a competitive solicitation, but they also reflect higher costs due to industry supply issues, historic inflation factors in FY 2021 and FY 2022, and projected price increases for each of the option years.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	666	657	667	-	667
	Total Obligation Authority	10.618	11.317	11.701	-	11.701
<b>Total:</b>	<b>Quantity</b>	<b>666</b>	<b>657</b>	<b>667</b>	<b>-</b>	<b>667</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>10.618</b>	<b>11.317</b>	<b>11.701</b>	<b>-</b>	<b>11.701</b>

(†) indicates the presence of a P-5a

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 05 / 10	<b>P-1 Line Item Number / Title:</b> 1242C93000 / Air Defense Targets	<b>Item Number / Title [DODIC]:</b> C93000 / Air Defense Targets
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Remotely Piloted Vehicle Target (RPVT)		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	666	6.683	Y		
Remotely Piloted Vehicle Target (RPVT)		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Mar 2023	657	8.178	Y		
Remotely Piloted Vehicle Target (RPVT)		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	677	9.160	Y		
Infrared Kit Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	666	0.335	Y		
Infrared Kit Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Mar 2023	657	0.374	Y		
Infrared Kit Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	677	0.420	Y		
Launcher		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	5	33.200	Y		
Launcher		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Jun 2023	5	41.000	Y		
Launcher		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	4	44.270	Y		
Manual Navigation GCS		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	5	12.000	Y		
Manual Navigation GCS		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	May 2023	5	14.600	Y		
Manual Navigation GCS		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	5	16.100	Y		
BVR Navigation GCS		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Feb 2022	10	33.500	Y		
BVR Navigation GCS		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	5	41.400	Y		
BVR Navigation GCS		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	2	40.440	Y		
BVR Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	May 2022	65	15.800	Y		
BVR Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	10	23.100	Y		
BVR Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	5	22.100	Y		
Acoustic Scoring Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	May 2022	55	15.000	Y		
Acoustic Scoring Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	50	18.000	Y		
Acoustic Scoring Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	AC, Orlando, FL	Nov 2023	Mar 2024	50	17.800	Y		
Acoustic Scoring GCS		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	May 2022	2	50.000	Y		
Acoustic Scoring GCS		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Mar 2023	2	62.500	Y		
Acoustic Scoring GCS		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC- Orlando, FL	Nov 2023	Mar 2024	2	60.770	Y		
Radar Scoring Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Nov 2022	55	22.400	Y		
Radar Scoring Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	50	18.000	Y		
Radar Scoring Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	30	24.310	Y		
Radar Scoring GCS		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Nov 2022	2	18.000	Y		
Radar Scoring GCS		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	2	22.500	Y		
Radar Scoring GCS		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	1	20.740	Y		
RPVT Lighting Kit Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	100	0.260	Y		
RPVT Lighting Kit Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Apr 2023	100	0.330	Y		

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 05 / 10	<b>P-1 Line Item Number / Title:</b> 1242C93000 / Air Defense Targets	<b>Item Number / Title [DODIC]:</b> C93000 / Air Defense Targets
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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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
RPVT Lighting Kit Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	100	0.350	Y		
Smoke Generator Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	30	0.500	Y		
Smoke Generator Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Apr 2023	30	0.600	Y		
Smoke Generator Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	30	0.680	Y		
Over the Horizon BVR Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Feb 2022	15	22.000	Y		
Over the Horizon BVR Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	10	26.800	Y		
Over the Horizon BVR Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	5	25.900	Y		

**Remarks:**  
NOTE: All FY 2021 and 2022 Procurements with Griffon Aerospace are Options on the program's firm fixed price contract.

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA 10: Support Equipment & Facilities  
**P-1 Line Item Number / Title:** 9900CX9999 / CLOSED ACCOUNT ADJUSTMENTS

**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> )	15.789	0.002	-	-	-	-	-	-	-	-	-	15.791
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	15.789	0.002	-	-	-	-	-	-	-	-	-	15.791
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>15.789</b>	<b>0.002</b>	-	-	-	-	-	-	-	-	-	<b>15.791</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This line is for closed account bills.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.002	-	-	-	-	-	-	-	-
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	<b>0.002</b>	-	-	-	-	-	-	-	-

**Justification:**

No funding in FY 2024.