Department of Defense Fiscal Year (FY) 2024 Budget Estimates

March 2023



Army

Justification Book Volume 1 of 1

Missile Procurement, Army

UNCLASSIFIED

Army • Budget Estimates FY 2024 • Procurement

Volume 1 Table of Contents

Introduction and Explanation of Contents	Volume 1 - i
Comptroller Exhibit P-1	Volume 1 - iv
Line Item Table of Contents (by Appropriation then Line Number)	Volume 1 - xvii
Line Item Table of Contents (Alphabetically by Line Item Title)	Volume 1 - xx
Exhibit P-1M, Procurement Programs - Modification Summary	Volume 1 - xxii
Exhibit P-40s	Volume 1 - 1

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

Department of Defense FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority DOD Component Summary

(Dollars in Thousands)

	FY 2022	FY 2023 Less Supplementals	FY 2023 Supplementals	FY 2023 Total	FY 2024
Appropriation Summary	Actuals	Enactment	Enactment	Enactment	Request
Missile Procurement, Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017
Total Department of the Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017
Grand Total Department of Defense	6,438,832	3,848,853	804,000	4,652,853	4,962,017

^{*}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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority Army Summary (Dollars in Thousands)

		FY 2023 Less	FY 2023		
	FY 2022	Supplementals	Supplementals	FY 2023 Total	FY 2024
Appropriation Summary	Actuals	Enactment	Enactment'	Enactment	Request
	•				· · · · · ·
Missile Procurement, Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017
Total Department of the Army	6,438,832	3,848,853	804,000	4,652,853	4,962,017

^{*}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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority 2032A BA Summary

(Dollars in Thousands)

FY 2023 FY 2023 Less FY 2023 Total FY 2024 FY 2022 Supplementals Supplementals Enactment' Enactment Request Appropriation: Missile Procurement, Army Actuals Enactment Budget Activity 5,535,121 3,333,358 804,000 4,137,358 4,428,274 02. Other missiles 888,072 497,670 497,670 515,469 03. Modification of missiles 5,019 6,508 6,508 6,573 , 04. Spares and repair parts 11,317 11,701 10,620 11,317 05. Support equipment and facilities 804,000 4,652,853 4,962,017 6,438,832 3,848,853 Total Missile Procurement, Army

^{*}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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority 2032A Detail

(Dollars in Thousands)

FY 2023 Less FY 2023 Supplementals Appropriation: 2032 Missile Procurement, Army FY 2022 Actuals Supplementals Enactment Enactment Line Ident Se Item Nomenclature Code c Quantity Cost Quantity Cost Quantity Cost Budget Activity 02: Other missiles Surface-to-Air Missile System (33,473)1 Lower Tier Air and Missile Defense (AMD) Sen U (4,260)Α Less: Advance Procurement (PY) 33,473 4,260 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 33 332,984 12 135,747 Α 33 332,984 12 135,747 MSE Missile 328 1,333,148 252 1,037,093 328 1,333,148 252 1,037,093 5 INDUSTRIAL PREPAREDNESS ARMY MISSILE 150,000 Α 150,000 72 6 PRECISION STRIKE MISSILE (PRSM) 166,130 162,876 Α

Page 4

Mar 2023

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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget

Total Obligational Authority 2032A Detail

(Dollars in Thousands)

propriation: 2032 Missile Procurement, Army				FY 2023 Total	. Enactment	FY 2024 Request		
Line		Ident	Se					
No	Item Nomenclature	Code	С	Quantity	Cost	Quantity	Cost	
Budge	et Activity 02: Other missiles							
Surfa	ace-to-Air Missile System							
1	Lower Tier Air and Missile Defense (AMD) Sen	A	Ü		(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	σ	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	Ü		150,000			
			-		150,000			
6	PRECISION STRIKE MISSILE (PRSM)	A	Ū	72	162,876	110	384,071	
			-	72	162,876	110	384,071	

Page 5

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority 2032A Detail

(Dollars in Thousands)

FY 2023 Less FY 2023 Supplementals Appropriation: 2032 Missile Procurement, Army FY 2022 Actuals Supplementals Enactment Enactment Line Ident Se No Item Nomenclature Code Quantity Cost Quantity Cost Quantity Cost 19,053 18,924 7 INDIRECT FIRE PROTECTION CAPABILITY INC 2-I 19.053 18,924 MID-RANGE CAPABILITY (MRC) Α Air-To-Surface Missile System Hellfire Sys Summary 920 115,431 766 108,401 920 115,431 766 108,401 406 147,177 629 10 Joint Air-to-Ground MSLS (JAGM) 216,030 406 147,177 629 216,030 236 Long Range Precision Munition 44,744 236 44,744 12 LONG-RANGE HYPERSONIC WEAPON 249,285 249,285 Anti-Tank/Assault Missile Sys

13

Javelin (AAWS-M) System Summary

Page 6

Mar 2023

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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget

Total Obligational Authority

2032A Detail

(Dollars in Thousands)

Appropriation: 2032 Missile Procurement, Army FY 2023 Total Enactment FY 2024 Request Line Ident Se No Item Nomenclature Code Quantity Cost Quantity Cost 18,924 313,189 7 INDIRECT FIRE PROTECTION CAPABILITY INC 2-I Α 18,924 313,189 169,519 MID-RANGE CAPABILITY (MRC) 169,519 Air-To-Surface Missile System 766 108,401 0 21,976 9 Hellfire Sys Summary 766 21,976 108,401 629 216,030 901 303,409 Joint Air-to-Ground MSLS (JAGM) 629 216,030 901 303,409 11 Long Range Precision Munition 249,285 156,821 12 LONG-RANGE HYPERSONIC WEAPON 249,285 156,821 Anti-Tank/Assault Missile Sys 565 431,652 541 199,509 13 Javelin (AAWS-M) System Summary

Page 7

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority 2032A Detail

(Dollars in Thousands)

Mar 2023

opropriation: 2032 Missile Procurement, Army			FY 2023 Less 032 Missile Procurement, Army FY 2022 Actuals Supplementals Enactment					FY 2023 Supplementals Enactment		
Line		Ident	Se							
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost	
				6,105	1,387,009	565	154,652		277,00	
14	TOW 2 System Summary	A	ū	889	101,912	878	103,866			
			-	889	101,912	878	103,866			
15	Guided MLRS Rocket (GMLRS)		υ	6,804	1,130,519	5,910	785,028		527,00	
			_	6,804	1,130,519	5,910	785,028		527,00	
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	Righ Mobility Artillery Rocket System (HIMARS		υ_	56	599,849	23	155,705		_	
				56	599,849	23	155,705	-		
19	ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	В	υ_							
20	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS	A	0 _		94,118	0	37,937			
			_		94,118	0	37,937			
Total	Other missiles			19,479	5,535,121	9,335	3,333,358		804,00	

^{*}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).

Page 8

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority

2032A Detail

(Dollars in Thousands)

Appropriation: 2032 Missile Procurement, Army FY 2023 Total Enactment FY 2024 Request Line Ident Se Nο Item Nomenclature Code C Quantity Cost Quantity Cost 565 541 431,652 199,509 878 103,866 850 120,475 14 TOW 2 System Summary Α 878 103,866 850 120,475 5,910 5,016 886,367 15 Guided MLRS Rocket (GMLRS) 1,312,028 5,910 886,367 1,312,028 5,016 16 Guided MLRS Rocket (GMLRS) 55,913 Advance Procurement (CY) (55,913)C (FY 2024 for FY 2025) (M) 228 4,354 366 10,334 17 MLRS Reduced Range Practice Rockets (RRPR) 228 4,354 366 10,334 23 155,705 28 179,230 18 High Mobility Artillery Rocket System (HIMARS 23 155,705 28 179,230 7,307 19 ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM 7,307 37,937 20 LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS 0 37,937 9,335 4,137,358 Total Other missiles 8,064 4,428,274

Page 9

Department of the Army FY 2024 President's Budget

Exhibit P-1 FY 2024 President's Budget

Total Obligational Authority 2032A Detail

(Dollars in Thousands)

FY 2023 Less FY 2023 Supplementals Appropriation: 2032 Missile Procurement, Army FY 2022 Actuals Supplementals Enactment Enactment Line Ident Se No Item Nomenclature Code c Quantity Cost Quantity Cost Quantity Cost Budget Activity 03: Modification of missiles Modifications 287,479 253,689 21 Patriot Mods 287,479 253,689 303,757 22 Stinger Mods 303,757 11,227 23 AVENGER MODS 11,227 4,561 5,154 24 ITAS/TOW Mods 5,154 4,561 273,856 218,359 25 MLRS Mods 273,856 218,359 7,192 20,468 26 HIMARS Modifications 7,192 20,468

Total Modification of missiles

Page 10

Mar 2023

888,072

497,670

^{*}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).

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget Total Obligational Authority

2032A Detail

(Dollars in Thousands)

FY 2024 Request Appropriation: 2032 Missile Procurement, Army FY 2023 Total Enactment Line Ident Se No Item Nomenclature Code Cost Quantity Cost Quantity Budget Activity 03: Modification of missiles Modifications 253,689 212,247 21 Patriot Mods 253,689 212,247 36,484 Stinger Mods 36,484 22,274 23 AVENGER MODS 22,274 5,154 ITAS/TOW Mods 5,154 218,359 168,198 25 MLRS Mods 218,359 168,198 20,468 76,266 HIMARS Modifications 20,468 76,266 497,670 515,469 Total Modification of missiles

Department of the Army FY 2024 President's Budget Exhibit P-1 FY 2024 President's Budget

Total Obligational Authority 2032A Detail

(Dollars in Thousands)

FY 2023 Supplementals

FY 2023 Less

Mar 2023

ropriation: 2032 Missile Procurement, Army			FY 2022 Actuals		Supplemental	s Enactment	Enactment	
Line	Ident	Se						
No Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost
Budget Activity 04: Spares and repair parts								
Spares and Repair Parts								
27 Spares And Repair Parts		υ_		5,019		6,508		
				5,019		6,508		
Total Spares and repair parts		_		5,019	,	6,508		
Sudget Activity 05: Support equipment and facilities Support Equipment & Facilities								
28 Air Defense Targets		Ū		10,618		11,317		
		_		10,618		11,317		
29 CLOSED ACCOUNT ADJUSTMENTS		U		2				
			•	2	-			
otal Support equipment and facilities				10,620		11,317		
Total Missile Procurement, Army		-	19,479	6,438,832	9,335	3,848,853		804,

^{*}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).

Page 12

Department of the Army FY 2024 President's Budget

Exhibit P-1 FY 2024 President's Budget

Total Obligational Authority 2032A Detail

(Dollars in Thousands)

Appropriation: 2032 Missile Procurement, Army FY 2023 Total Enactment FY 2024 Request Line Ident Se No Item Nomenclature Code c Quantity Cost Quantity Cost Budget Activity 04: Spares and repair parts Spares and Repair Parts Spares And Repair Parts 6,508 6,573 6,508 6,573 Total Spares and repair parts 6,508 6,573 Budget Activity 05: Support equipment and facilities Support Equipment & Facilities 28 Air Defense Targets 11,317 11,701 11,317 11,701 29 CLOSED ACCOUNT ADJUSTMENTS Total Support equipment and facilities 11,317 11,701 Total Missile Procurement, Army 9,335 4,652,853 8,064 4,962,017

Army • Budget Estimates FY 2024 • Procurement

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

Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
1	02	10	7265C12000	Lower Tier Air and Missile Defense (AMD) Sensor	Volume 1 - 1
2	02	10	7265C12000	Lower Tier Air and Missile Defense (AMD) Sensor, Advance Procurement	Volume 1 - 4
3	02	10	8082C14300	M-SHORAD - Procurement	
4	02	10	8260C53101	MSE Missile	Volume 1 - 19
5	02	10	8261C53100	INDUSTRIAL PREPAREDNESS ARMY MISSILE	Volume 1 - 33
6	02	10	8540C29600	PRECISION STRIKE MISSILE (PRSM)	Volume 1 - 34
7	02	10	8930C61001	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	Volume 1 - 45
8	02	10	9214C81200	MID-RANGE CAPABILITY (MRC)	Volume 1 - 55
9	02	20	1338C70000	Hellfire Sys Summary	Volume 1 - 63
10	02	20	2605C70302	Joint Air-to-Ground MSLS (JAGM)	Volume 1 - 68
11	02	20	2607C71300	Long Range Precision Munition	Volume 1 - 79
12	02	20	2611C72100	LONG-RANGE HYPERSONIC WEAPON	Volume 1 - 80
13	02	30	0648CC0007	Javelin (AAWS-M) System Summary	Volume 1 - 88
14	02	30	2104C59300	TOW 2 System Summary	Volume 1 - 112
15	02	30	6005C64400	Guided MLRS Rocket (GMLRS)	Volume 1 - 122
16	02	30	6005C64400	Guided MLRS Rocket (GMLRS), Advance Procurement	Volume 1 - 133

Army • Budget Estimates FY 2024 • Procurement

Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title Page
17	02	30	6060C65405	MLRS Reduced Range Practice Rockets (RRPR)Volume 1 - 137
18	02	30	6200C02901	High Mobility Artillery Rocket System (HIMARS)Volume 1 - 142
19	02	30	6472C98510	ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM
20	02	30	6870C88001	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)Volume 1 - 158

Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title Page
21	03	10	0962C50700	Patriot ModsVolume 1 - 159
22	03	10	2684C20000	Stinger ModsVolume 1 - 200
23	03	10	2690CE8710	AVENGER MODSVolume 1 - 207
24	03	10	3972C61700	ITAS/TOW ModsVolume 1 - 220
25	03	10	6552C67500	MLRS ModsVolume 1 - 221
26	03	10	6580C67501	HIMARS Modifications

Army • Budget Estimates FY 2024 • Procurement

Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
27	04	10	1242CA0250	Spares And Repair PartsVolume 1 -	- 242

Appropriation 2032A: Missile Procurement, Army

Line #	ВА	BSA	Line Item Number	Line Item Title Page)
28	05	10	1242C93000	Air Defense TargetsVolume 1 - 245	5
29	05	10	9900CX9999	CLOSED ACCOUNT ADJUSTMENTSVolume 1 - 251	1

Army • Budget Estimates FY 2024 • Procurement

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

Line Item Title	Line Item Number	Line #	ВА	BSA Page
ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM	6472C98510	19	02	30 Volume 1 - 153
AVENGER MODS	2690CE8710	23	03	10 Volume 1 - 207
Air Defense Targets	1242C93000	28	05	10 Volume 1 - 245
CLOSED ACCOUNT ADJUSTMENTS	9900CX9999	29	05	10 Volume 1 - 251
Guided MLRS Rocket (GMLRS)	6005C64400	15	02	30 Volume 1 - 122
Guided MLRS Rocket (GMLRS), Advance Procurement	6005C64400	16	02	30Volume 1 - 133
HIMARS Modifications	6580C67501	26	03	10Volume 1 - 232
Hellfire Sys Summary	1338C70000	9	02	20Volume 1 - 63
High Mobility Artillery Rocket System (HIMARS)	6200C02901	18	02	30 Volume 1 - 142
INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	8930C61001	7	02	10Volume 1 - 45
INDUSTRIAL PREPAREDNESS ARMY MISSILE	8261C53100	5	02	10Volume 1 - 33
ITAS/TOW Mods	3972C61700	24	03	10Volume 1 - 220
Javelin (AAWS-M) System Summary	0648CC0007	13	02	30Volume 1 - 88
Joint Air-to-Ground MSLS (JAGM)	2605C70302	10	02	20Volume 1 - 68
LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	6870C88001	20	02	30 Volume 1 - 158
LONG-RANGE HYPERSONIC WEAPON	2611C72100	12	02	20Volume 1 - 80
Long Range Precision Munition	2607C71300	11	02	20Volume 1 - 79

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Line Item Title	Line Item Number	Line #	ВА	BSA	Page
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

Army • Budget Estimates FY 2024 • Procurement Exhibit P-1M, Procurement Programs - Modification Summary (Listing by Model)

Lookup Matrix by Model

Model: Vari	ious		
P-3a Individu	lual Modification	is	
Modificat	tion Number	Modification Title	Applies to Multiple Models
C5	50700	Patriot Mods	No
Model: FIM	1-92E Stinger Blo	ock I Missile	
P-3a Individ	lual Modification	is and the state of the state o	
Modificat	tion Number	Modification Title	Applies to Multiple Models
C2	21300	STINGER BLK I UPGRADES	No
Model: Ave	enger Basic and	Slew-to-Cue Systems	
P-3a Individ	lual Modification	us .	
Modificat	tion Number	Modification Title	Applies to Multiple Models
CE	E8710	AVENGER MODS	No
Model: M27	70A1		
P-3a Individu	lual Modification	is and the state of the state o	
Modificat	tion Number	Modification Title	Applies to Multiple Models
C6	67500	MLRS Mods	No
Model: M14	42 High Mobility	Artillery Rocket System	
P-3a Individ	lual Modification	is and the state of the state o	
Modificat	tion Number	Modification Title	Applies to Multiple Models
C6	67501	HIMARS Modifications	No

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Army • Budget Estimates FY 2024 • Procurement 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
Exhibit P-3a										
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
Totals (Total Obligation Authority)										
Total Obligation Authority	7,750.311	883.511	492.516	515.469	0.000	515.469	416.794	793.954	723.137	429.574

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	4	5	5	8	-	22
Gross/Weapon System Cost (\$ in Millions)	-	33.473	4.260	15.825	-	15.825	546.059	639.032	638.033	1,078.103	-	2,954.785
Less PY Advance Procurement (\$ in Millions)	-	-	-	9.200	-	9.200	-	-	-	-	-	9.200
Net Procurement (P-1) (\$ in Millions)	-	33.473	4.260	6.625	-	6.625	546.059	639.032	638.033	1,078.103	-	2,945.585
Plus CY Advance Procurement (\$ in Millions)	-	-	9.200	-	-	-	-	-	-	-	-	9.200
Total Obligation Authority (\$ in Millions)	-	33.473	13.460	6.625	-	6.625	546.059	639.032	638.033	1,078.103	-	2,954.785
(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Ti	ne correspondin	g budget request:	s are documente	ed elsewhere.)	•			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	_	_	_	_	_	_	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.

Secondar	ry 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
Total:	Quantity	-	-	-	-	-	4	5	5	8
Secondary Distribution	Total Obligation Authority	33.473	13.460	6.625	-	6.625	546.059	639.032	638.033	1,078.103

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-5	C12101 / Lower Tier Air and Missile Defense Sensor				- / -	- / 33.473	- /4.260	- / 15.825	- / -	- / 15.825
P-40	Total Gross/Weapon System Cost				- 1 -	- / 33.473	- / 4.260	- / 15.825	- 1 -	- / 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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Exhibit P-5, Cost	Analysis	: PB 20	24 Army	,										Date: N	/larch 202	23		
Appropriation / B 2032A / 02 / 10					vity:	7265	P-1 Line Item Number / Title: 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor							Item Number / Title [DODIC]: C12101 / Lower Tier Air and Missile Defense Sensor				
ID Code (A=Service Read	dy, B=Not Servic	e Ready):							М	DAP/MAIS	Code:							
F	Resource	Summa	ary		F	Prior Yea	ars	FY 202	2	FY	2023	FY	2024 Bas	se F	Y 2024 (осо	FY 2024	Total
Procurement Quantity (Uni							-				_			_		_		_
Gross/Weapon System Co)					-		33.473		4.260		15	5.825		-		15.82
Less PY Advance Procure							-				-			9.200		-		9.20
Net Procurement (P-1) (\$ i	· · · · · · · · · · · · · · · · · · ·						-		33.473		4.260		(3.625		-		6.62
Plus CY Advance Procure	<u> </u>	Millions)					-		-		9.200	-		-		-		
Total Obligation Authori							-		33.473		13.460		(6.625		-		6.62
	he followina R	esource Su	ımmarv rov	s are for info	rmational pi	urposes only	v. The corres	ponding budge	t request	s are docume	ented elsewhe	ere.)				ļ.		
Initial Spares (\$ in Millions)		50	,			,	-	,	-		-	1		-		-		_
· · · · · · · · · · · · · · · · · · ·	ross/Weapon System Unit Cost (\$ in Thousands)										-			-		-		
	•	,										1		l				
Note: Subtotals or Totals i	n this Exhibit F	P-5 may no	t be exact o	or sum exactl	y due to rou	nding.										1		1
	Pr	ior Years	;		FY 2022			FY 2023		FY	2024 Base		F	/ 2024 O	СО	F	Y 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Hardware Cost	(\$1.9	(200.1)	(4)	(0.9	(2001)	(\$)	(4.9	(2001)	(\$)	(0.9	(2001.)	(0)	(\$1.9	(2001.)	(\$)	(0.9	(2001)	(0)
Recurring Cost																		
ICS (Interim Contractor Support)	-	-	-	-	-	33.473	-	-	4.260	-	-	6.625	-	-	-	-	-	6.6
Subtotal: Recurring Cost	-	-	-	-	-	33.473	-	-	4.260	-	-	6.625	-	-	-	-	-	6.6
Non Recurring Cost						Г												1
Advance Procurement	-	-	-	-	-	-	-	-	-	-	-	9.200	-	-	-	-	-	9.20
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	9.200	-	-	-	-	-	9.2
Subtotal: Hardware Cost	-	-	-	-	-	33.473	-	-	4.260	-	-	15.825	-	-	-	-	-	15.8
Gross/Weapon System Cost	-	-	-	-	-	33.473	-	-	4.260	-	-	15.825	-	-	-	-	-	15.8
	Seco	ndary Dis	stribution				FY	2022		FY 2023		FY 2			FY 2024 OCO		FY 202 Total	
		Qua	ntity					-			-		-			-		-
Army		Tota	l Obligation A	uthority				33.473			13.460		6.62	5		-		6.62
Army						1							_					
Army Total: Secondary Distribution			ntity I Obligation					-			-					-		6.6

LI 7265C12000 - Lower Tier Air and Missile Defense (AMD)...

Army

UNCLASSIFIED Page 3 of 3

Exhibit P-40, Advance Procurement 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

7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

P-1 Line Item Number / Title:

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 (\$ in Millions)	-	-	9.200	-	-	-	-	-	-	-	-	9.200
Net Procurement (P-1) (\$ in Millions)	-	-	9.200	-	-	-	-	-	-	-	-	9.200
Total Obligation Authority (\$ in Millions)	-	-	9.200	-	-	-	-	-	-	-	-	9.200

Description:

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

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor

Missile System

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*	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-10	C12101 / Lower Tier Air and Missile Defense Sensor			- / -	- / -	- / 9.200	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost			- 1 -	- 1 -	- / 9.200	- 1 -	- 1 -	- 1 -

^{*}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.

Exhibit P-10, Advance Procureme	ent Require	ments Analysis	(page 1	- Budget Funding Just	ification): PB 2024 Army	Date: March 202	23	
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 10				e Item Number / Title: 2000 / Lower Tier Air and		P-5 Number / Title: C12101 / Lower Tier Air and Missile Defense Sensor		
First System (2024) Award Date:	First Sys	ystem (2024) Completion Date: Interval Between Systems: Months						
Lower Tier Air and Missile Defense Sensor Production (Month			adtime	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)	
Quantity				-	-	-		
O4 Fl4 -		When Requ	iired	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)	
Other								
Processor/Interrogator Parts for Assembly			-	-	-	9.200		
Total: Other				-	-	9.200	0	
Total Advance Procurement/Obligation Authority				-	-	9.200	0	

P-1 Line #2

Exhibit P-10, Advance Procurement Requirements Analysis	Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 10	P-1 Line Item Number / Title: 7265C12000 / Lower Tier Air and Missile Defense (AMD) Sensor	P-5 Number / Title: C12101 / Lower Tier Air and Missile Defense Sensor

	OCHSOI				Deterise derisor				
		FY 2024							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost	Contract Forecast Date	2024 Qty (Each)	For FY	Total Cost Request (\$ M)		
Other									
Processor/Interrogator Parts for Assembly	-						-		
Total: Other							-		
Total Advance Procurement/Obligation Authority							-		

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.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8082C14300 / M-SHORAD - Procurement

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604117A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

Life Reil MDAI /MAIO COde: N/A												
	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	OCO	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	87	33	12	22	-	22	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	750.587	332.984	135.747	400.697	-	400.697	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	750.587	332.984	135.747	400.697	-	400.697	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	750.587	332.984	135.747	400.697	-	400.697	-	-	-	-	Continuing	Continuing
(The following	(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)											
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Secondar	y 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	-	-	-	-
Total:	Quantity	33	12	22	-	22	-	-	-	-
Secondary Distribution	Total Obligation Authority	332.984	135.747	400.697	-	400.697	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8082C14300 / M-SHORAD - Procurement

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604117A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): 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)					
P-5	C14301 / Maneuver - Short Range Air Defense (M-SHORAD)	P-5a, P-21	Α		87 / 750.587	33 / 332.984	12 / 135.747	22 / 400.697	- / -	22 / 400.697
P-40	Total Gross/Weapon System Cost				87 / 750.587	33 / 332.984	12 / 135.747	22 / 400.697	- 1 -	22 / 400.697

^{*}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 Undefinitized 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
Page 2 of 11

Exhibit P-5, Cost Analysis: PB 2024 Army

Date: March 2023

8,627.437

Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: Item Number / Title [DODIC]:

2032A / 02 / 10 8082C14300 / M-SHORAD - Procurement C14301 / Maneuver - Short Range Air

Defense (M-SHORAD)

18,213.500

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	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)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	750.587	332.984	135.747	400.697	-	400.697
(The following Resource Summary rows are fo	or informational purposes only. The corr	esponding budget requests	are documented elsewher	e.)		
Initial Spares (\$ in Millions)	-	=	-	-	-	-

10,090.424

11,312.250

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

Gross/Weapon System Unit Cost (\$ in Thousands)

	F	rior Years	3		FY 2022			FY 2023		F١	' 2024 Bas	e	FY	′ 2024 OC	0	FY	' 2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost	<u>'</u>	'				'	'	<u>'</u>		<u>'</u>	'		'			'	'	
Recurring Cost																	-	
Initial M-SHORAD ^(†)	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.
Subtotal: Recurring Cost	-	-	703.079	-	-	280.674	-	-	102.063	-	-	210.153	-	-	-	-	-	210
Non Recurring Cost					,		'	,		'	'		,				,	
Engineering Sevices	-	-	8.779	-	-	7.109	-	-	2.498	-	-	7.554	-	-	-	-	-	7.
Subtotal: Non Recurring Cost	-	-	8.779	-	-	7.109	-	-	2.498	-	-	7.554	-	-	-	-	-	7
Subtotal: Flyaway Cost	-	-	711.858	-	-	287.783	-	-	104.561	-	-	217.707	-	-	-	-	-	217
Hardware Cost																		
Recurring Cost																		
GFE Hardware	-	-	16.972	-	-	4.900	-	-	1.538	-	-	5.413	-	-	-	-	-	5
30mm Ammo	-	-	-	-	-	-	-	-	8.500	-	-	-	-	-	-	-	-	
Platoon Leader Vehicle (PLT) Vehicle Integration	-	-	-	-	-	-	-	-	2.060	-	-	1.140	-	-	-	-	-	1
Dual SVULs	-	-	-	-	-	-	-	-	-	757.000	72	54.504	-	-	-	757.000	72	54.
Subtotal: Recurring Cost	-	-	16.972	-	-	4.900	-	-	12.098	-	-	61.057	-	-	-	-	-	61
Non Recurring Cost																		
Production Line Restart	-	-	-	-	-	-	-	-	-	-	-	32.400	-	-	-	-	-	32

18,213.500

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 10

8082C14300 / M-SHORAD - Procurement

Item Number / Title [DODIC]: C14301 / Maneuver - Short Range Air

Defense (M-SHORAD)

ID Code (A=Service Ready, B=Not Service Ready): A

MDAP/MAIS Code:

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

	F	Prior Years	3		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F	Y 2024 OC	0	FY	/ 2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	32.400	-	-	-	-	-	32.40
Subtotal: Hardware Cost	-	-	16.972	-	-	4.900	-	-	12.098	-	-	93.457	-	-	-	-	-	93.45
Package Fielding Cost																		
Recurring Cost																		
Fielding	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.90
Subtotal: Recurring Cost	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.90
Subtotal: Package Fielding Cost	-	-	-	-	-	8.100	-	-	2.800	-	-	20.900	-	-	-	-	-	20.90
Support - Initial Spares and R	epair Parts Co	st																
Initial Spares and Repair Parts	-	-	13.985	-	-	26.201	-	-	5.515	-	-	53.213	-	-	-	-	-	53.21
Subtotal: Support - Initial Spares and Repair Parts Cost		·	13.985	-	-	26.201	-	-	5.515	-	-	53.213	-	-	-	-	-	53.21
Support - Logistics Cost								·		·								
Integrated Logistics Support	-	-	3.500	-	-	3.800	-	-	7.790	-	-	9.020	-	-	-	-	-	9.02
Subtotal: Support - Logistics Cost	-	-	3.500	-	-	3.800	-	-	7.790	-	-	9.020	-	-	-	-	-	9.02
Support - Program Manageme	ent Cost																	
Government Management	-	-	4.272	-	-	2.200	-	-	2.983	-	-	6.400	-	-	-	-	-	6.40
Subtotal: Support - Program Management Cost	-	-	4.272	-	-	2.200	-	-	2.983	-	-	6.400	-	-	-	-	-	6.40
Gross/Weapon System Cost	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	400.69

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.

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

ID Code (A=Service Ready, B=Not Service Rea	dy): A		MDAP/MAIS Code) :		
Seconda	ry 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
Total:	Quantity	33	12	22	=	22
Secondary Distribution	Total Obligation Authority	332.984	135.747	400.697	-	400.697

^(†) indicates the presence of a P-5a

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

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
Initial M-SHORAD ^(†)		2020	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Sep 2020	Jun 2022	28	8,253.571	N		
Initial M-SHORAD ^(†)		2021	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	May 2021	Dec 2022	59	7,729.758	N		
Initial M-SHORAD ^(†)		2022	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Feb 2022	Oct 2023	33	8,505.273	N		
Initial M-SHORAD ^(†)		2023	GDLS / Sterling Heights, MI	SS / FFP	Huntsville, AL	Mar 2023	Jul 2024	12	8,505.250	N		
Initial M-SHORAD ^(†)		2024	GDLS / Sterling Heights, MI	Option / FFP	Huntsville. AL	Dec 2023	Nov 2025	22	9,552.409	N		

^(†) indicates the presence of a P-21

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				lements in Each)								Fiscal \	ear 2020	0										Fiscal \	ear 2021						E
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Initia	ıl M-	SHOF	RAD			<u> </u>		1			-		_					_													
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1	1 2	2020	ARMY	28	C	28												Α -	-	-	-	-	-	-	-	-	-	-	-	-	
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1	1 2	2023	ARMY	12	C	12																									\perp
1	1 2	2024	ARMY	22	C	22													,												
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Exh	ibit	P-21,	Pro	ducti	on Sc	hedu	le: PE	3 202	4 Arm	าy														Date	: Mar	ch 20	23				
	-	oriatio / 02 / 1		udge	et Acti	vity /	Budg	get Sı	ub Ac	tivity	:			Item 1300 /				rocure	ement	t				C143	Num 301 / ense (Mane	uver	- Sho		nge A	ir
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1	202	20 ARMY		28	0	28	-	-	-	-	-	-	-	-	1	3	4	6	6	6	2										
1	202	21 ARMY		59	0	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	6	6	6	6	6	6	6	6	
1	202	22 ARMY		33	0	33					Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	202	23 ARMY		12	0	12																		Α -	-	-	-	-	-	-	-
1	202	24 ARMY		22	0	22																									2
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		iation / 1 02 / 10	Budge	t Acti	vity /	Budg	et Su	ıb Ac	tivity:	1	1				nber / HOR/		rocur	emen	t				C14	301 <i>I</i>	nber / Mane M-SH	euver	- Sho		nge A	ir
			lements in Each)								Fiscal Y	ear 2024											Fiscal Y	ear 2025						В
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C R 0 #		SERVICE	PROC QTY	OCT 2023	AS OF 1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U	Ü L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	Ü L	U G	E P	C
Initial	M-SHO	RAD																												
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					ACCEPT										Calenda	r Year 20	26								Caler	ndar Year	2027				L
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Initia	I M-SI	HORAD													<u> </u>											<u>'</u>					
Prio	_	Deliveries																	-	-											
		20 ARMY		28	28																										
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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: 8082C14300 / M-SHORAD - Procurement	Item Number / Title [DODIC]: C14301 / Maneuver - Short Range Air Defense (M-SHORAD)

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)		-	
MF	FR					Init	ial			Reo	rder	
Re #		MSR For 2024	1-8-5 For 2024	MAX For 2024	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.

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 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).

[&]quot;A" in the Delivery Schedule indicates the Contract Award Date.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Program Elements for Code B Items: N/A

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8260C53101 / MSE Missile

Missile System

Other Related Program Elements: 0604865A, 0603869A,

0604869A. 0605456A

Line Item MDAP/MAIS Code: 492

ID Code (A=Service Ready, B=Not Service Ready):

Line item MDAP/MAIS Code: 492												
	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	1,615	328	252	230	-	230	230	232	236	236	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	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
(The following	Resource Sumr	mary rows are fo	r informational p	urposes only. Th	e corresponding	g budget request:	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

 LI 8260C53101 - MSE Missile
 UNCLASSIFIED

 Army
 Page 1 of 14
 P-1 Line #4

 Volume 1 - 19

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8260C53101 / MSE Missile

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604865A, 0603869A,

0604869A, 0605456A

Line Item MDAP/MAIS Code: 492

ID Code (A=Service Ready, B=Not Service Ready):

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.

Secondar	ry 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
Total:	Quantity	328	252	230	-	230	230	232	236	236
Secondary Distribution	Total Obligation Authority	1,333.148	1,037.093	1,212.832	-	1,212.832	961.192	973.464	985.250	985.854

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8260C53101 / MSE Missile

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604865A, 0603869A.

0604869A, 0605456A

P-1 Line #4

Line Item MDAP/MAIS Code: 492

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
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
P-40	Total Gross/Weapon System Cost				1,615 / 6,603.600	328 / 1,333.148	252 / 1,037.093	230 / 1,212.832	- 1 -	230 / 1,212.832

^{*}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.

UNCLASSIFIED

LI 8260C53101 - MSE Missile Page 3 of 14 Army

Date: March 2023 Exhibit P-5, Cost Analysis: PB 2024 Army Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: Item Number / Title [DODIC]: 2032A / 02 / 10 8260C53101 / MSE Missile C53101 / MSE Missile

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)	1,615	328	252	230	-	230
Gross/Weapon System Cost (\$ in Millions)	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	6,603.600	1,333.148	1,037.093	1,212.832	-	1,212.832
(The following Resource Summary rows are for information	ional purposes only. The cor	responding budget request	s are documented elsewher	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

ID Code (A=Service Ready, B=Not Service Ready):

	P	rior Years	3		FY 2022			FY 2023		FY	2024 Bas	е	FY	2024 OC	0	FY	2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)															
lyaway Cost								,										
Recurring Cost																		
Missile Hardware ^(†)	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	883.1
Field Surveillance	-	-	72.640	-	-	18.169	-	-	18.107	-	-	18.699	-	-	-	-	-	18.6
PAC-3 Missile Support Center (P3MSC)	-	-	40.664	-	-	10.356	-	-	10.956	-	-	11.599	-	-	-	-	-	11.5
Obsolescence	-	-	130.678	-	-	16.007	-	-	20.999	-	-	23.004	-	-	-	-	-	23.0
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	-	-	-	-	-	-	-	-	-	-	-	ı
Initial Production Facilitization	-	-	88.313	-	-		-	-	-	-	-	-	-	-	-	-	-	
Government/Software Engineering	-	-	60.540	-	-	9.299	-	-	9.399	-	-	9.499	-	-	-	-	-	9.4
Sys Engrg/Proj Mgmt (SE/PM) Contractor	-	-	206.318	-	-	13.599	-	-	13.699	-	-	14.899	-	-	-	-	-	14.8
Advance Procurement - Long Lead Items	-	-	-	-	-	-	-	-	-	-	-	252.000	-	-	-	-	-	252.0
Subtotal: Recurring Cost	-	-	6,602.601	-	-	1,333.148	-	-	1,037.093	-	-	1,212.832	-	-	-	-	-	1,212.8
Non Recurring Cost																		
Organic	-	-	0.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

8260C53101 / MSE Missile

Date: March 2023
Item Number / Title [DODIC]:

C53101 / MSE Missile

ID Code (A=Service Ready, B=Not Service Ready):

2032A / 02 / 10

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

	F	Prior Years	6		FY 2022			FY 2023		FY	' 2024 Bas	se	F	1 2024 OC	0	FY	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)									
Subtotal: Non Recurring Cost	-	-	0.999	-	-	=	-	-	-	-	-	-	-	=	-	-	-	-
Subtotal: Flyaway Cost	-	-	6,603.600	-	-	1,333.148	-	-	1,037.093	-	-	1,212.832	-	-	-	-	-	1,212.832
Gross/Weapon System Cost	4,088.916	1,615	6,603.600	4,064.476	328	1,333.148	4,115.448	252	1,037.093	5,273.183	230	1,212.832	-	-	-	5,273.183	230	1,212.832

Secondar	y 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
Total:	Quantity	328	252	230	-	230
Secondary Distribution	Total Obligation Authority	1,333.148	1,037.093	1,212.832	-	1,212.832

^(†) indicates the presence of a P-5a

UNCLASSIFIED
Page 5 of 14

Exhibit P-5a, Procurement History and Planning: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 02 / 10

P-1 Line Item Number / Title:

8260C53101 / MSE Missile

Date: March 2023

Item Number / Title [DODIC]:

C53101 / MSE Missile

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
Missile Hardware ^(†)		2015	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Jul 2015	Jan 2017	108	4,425.000	Y		May 2014
Missile Hardware ^(†)		2016	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2015	Aug 2018	112	3,940.180	Y		May 2014
Missile Hardware ^(†)		2017	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2016	Oct 2019	170	4,266.530	Y		Dec 2015
Missile Hardware ^(†)		2018	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2017	May 2020	387	3,793.380	Y		Dec 2015
Missile Hardware ^(†)		2019	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Dec 2018	May 2021	274	3,733.398	Y		Jun 2017
Missile Hardware ^(†)		2020	LMMFC / Dallas, TX	SS / FPIF	AMCOM, RSA, AL	Mar 2019	Jul 2022	147	4,117.265	Y		Jun 2017
Missile Hardware ^(†)		2021	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2020	May 2023	146	3,813.760	Y		Jun 2019
Missile Hardware ^(†)		2022	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2021	May 2024	328	3,794.878	Y		Jun 2019
Missile Hardware ^(†)		2023	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2022	May 2025	252	3,825.131	Y		Jun 2019
Missile Hardware ^(†)		2024	LMMFC / Dallas, TX	SS / FFP	AMCOM, RSA, AL	Dec 2023	May 2026	230	3,839.704	Y		Jan 2023

^(†) 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.

P-1 Line	FxI	hibit	P-21 Pr	oducti	on Sc	hedul	e. bb	3 202	4 Arm	1V						ASSI								Date	e: Ma	rch 2	023				
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UNCLASSIFIED Page 8 of 14

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UNCLASSIFIED Page 11 of 14

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Years Deliveries: 92 2015 ARMY	108	108	0																								
2016 ARMY	112	112	0																								
2017 ARMY	170	170	0																								
2018 ARMY	387	387	0																								
2019 ARMY	274	274	0																								
2020 ARMY	147	147	0																								
2021 ARMY	146	146	0																								
2022 ARMY	328	328	0																								
2023 ARMY	252	252	0																								
2024 ARMY	230	88	142	20	20	20	20	20	20	22																	

LI 8260C53101 - MSE Missile Army

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

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Init	tial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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 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).

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8261C53100 / INDUSTRIAL PREPAREDNESS ARMY MISSILE

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Date: March 2023

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	150.000	-	-	-	-	-	-	-	-	150.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	150.000	-	-	-	-	-	-	-	-	150.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	150.000	-	-	-	-	-	-	-	-	150.000
(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)	•			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	150.000	-	-	-	-	-	-	-

Justification:

There is no funding in FY 2024.

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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8540C29600 / PRECISION STRIKE MISSILE (PRSM)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0607134A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	26	54	72	110	-	110	190	220	258	242	-	1,172
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	59.929	166.130	162.876	384.071	-	384.071	476.026	501.086	603.077	603.057	-	2,956.252
(The following	Resource Sumi	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request:	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

			FY 2024	FY 2024	FY 2024				
y Distribution	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028
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
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
	Quantity Total Obligation Authority Quantity	Quantity 54 Total Obligation Authority 166.130 Quantity 54	Quantity 54 72 Total Obligation Authority 166.130 162.876 Quantity 54 72	y Distribution FY 2022 FY 2023 Base Quantity 54 72 110 Total Obligation Authority 166.130 162.876 384.071 Quantity 54 72 110	y Distribution FY 2022 FY 2023 Base OCO Quantity 54 72 110 - Total Obligation Authority 166.130 162.876 384.071 - Quantity 54 72 110 -	y Distribution FY 2022 FY 2023 Base OCO Total Quantity 54 72 110 - 110 Total Obligation Authority 166.130 162.876 384.071 - 384.071 Quantity 54 72 110 - 110	y Distribution FY 2022 FY 2023 Base OCO Total FY 2025 Quantity 54 72 110 - 110 190 Total Obligation Authority 166.130 162.876 384.071 - 384.071 476.026 Quantity 54 72 110 - 110 190	y Distribution FY 2022 FY 2023 Base OCO Total FY 2025 FY 2026 Quantity 54 72 110 - 110 190 220 Total Obligation Authority 166.130 162.876 384.071 - 384.071 476.026 501.086 Quantity 54 72 110 - 110 190 220	y Distribution FY 2022 FY 2023 Base OCO Total FY 2025 FY 2026 FY 2027 Quantity 54 72 110 - 110 190 220 258 Total Obligation Authority 166.130 162.876 384.071 - 384.071 476.026 501.086 603.077 Quantity 54 72 110 - 110 190 220 258

UNCLASSIFIED
Page 1 of 11

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8540C29600 / PRECISION STRIKE MISSILE (PRSM)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0607134A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-5	C29850 / PrSM Baseline	P-5a, P-21			26 / 59.929	54 / 166.130	72 / 162.876	110 / 384.071	- / -	110 / 384.071
P-40	Total Gross/Weapon System Cost				26 / 59.929	54 / 166.130	72 / 162.876	110 / 384.071	- 1 -	110 / 384.071

^{*}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).

UNCLASSIFIED
Page 2 of 11

							Uľ	NCLAS	SIFIEL)								
Exhibit P-5, Cost	Analysis	s: PB 20	24 Army	,										Date: M	arch 202	23		
Appropriation / B 2032A / 02 / 10	udget A	ctivity /	Budget	Sub Act	ivity:		ine Item			RIKE MI	SSILE (F	PRSM)				Fitle [DO Baseline	DIC]:	
ID Code (A=Service Read	dy, B=Not Serv	ice Ready):				l			М	DAP/MAIS	Code:							
F	Resource	Summa	arv		F	Prior Yea	ars	FY 20	022	FY	2023	FY 2	2024 Bas	se F	Y 2024 (осо	FY 2024	Total
Procurement Quantity (Uni	its in Each)						26		54		7	72		110		-		110
Gross/Weapon System Co		ns)					59.929		166.130		162.87	76	384	4.071		-		384.071
Less PY Advance Procure	ement (\$ in Mi	llions)					-		-		-			-		-		
Net Procurement (P-1) (\$	in Millions)	-					59.929		166.130		162.87	76	384	4.071		-		384.07
Plus CY Advance Procure	ment (\$ in Mil	llions)					-		-		-			-		-		-
Total Obligation Authori	ty (\$ in Millions	s)					59.929		166.130		162.87	76	384	4.071		-		384.071
(Ti	he following i	Resource Su	ımmary row	s are for info	rmational pu	urposes only	v. The corres	ponding bud	lget request	s are docum	ented elsewi	here.)				•		
Initial Spares (\$ in Millions)							-		-		-			-		-		-
Gross/Weapon System Ur	nit Cost (\$ in	Thousands)				2	,304.962		3,076.481		2,262.16	67	3,49	1.555		-		3,491.555
Note: Subtotals or Totals i	n this Exhibit	P-5 may no	t be exact o	r sum exactl	v due to rou	ndina												
		Prior Years			FY 2022			FY 2023		FY	′ 2024 Bas	e	F	Y 2024 OC	0	F'	Y 2024 Tot	tal
	Unit Cost	Qty	Total Cost	Unit Cost	Otv	Total Cost	Unit Cost	Otv	Total Cost	Unit Cost	Otu	Total Cost	Unit Cost	Otv	Total Cost	Unit Cost	Qty	Total Cost
Cost Elements	(\$ K)	(Each)	(\$ M)	(\$ K)	Qty (Each)	(\$ M)	(\$ K)	Qty (Each)	(\$ M)	(\$ K)	Qty (Each)	(\$ M)	(\$ K)	Qty (Each)	(\$ M)	(\$ K)	(Each)	(\$ M)
Flyaway Cost																		
Recurring Cost				,					r				,					
Recurring Production ^(†)	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	296.05
Engineering Changes	-	-	3.507	-	-	6.965	-	-	1.932	-	-	3.695	-	-	-	-	-	3.69
Subtotal: Recurring Cost	-	-	53.235	-	-	141.772	-	-	116.658	-	-	299.745	-	-	-	-	-	299.74
Non Recurring Cost																		1
Non-Recurring Production	-	-	2.383	-	-	16.642	-	-	39.604	-	-	12.138	-	-	-	-	-	12.13
Rate Tooling	-	-	-	-	-	-	-	-	-	-	-	26.765	-	-	-	-	-	26.76
System Test & Evaluation	-	-	-	-	-	-	-	-	-	-	-	4.467	-	-	-	-	-	4.46
System Engineering	-	-	-	-	-	-	-	-	-	-	-	16.720	-	-	-	-	-	16.72
Subtotal: Non Recurring Cost	-	-	2.383	-	-	16.642	-	-	39.604	-	-	60.090	-	-	-	-	-	60.09
Subtotal: Flyaway Cost	-	-	55.618	-	-	158.414	-	-	156.262	-	-	359.835	-	-	-	-	-	359.83
Software Cost																		
Non Recurring Cost																		1
Software Maintenance	-	-	-	-	-	-	-	-	-	-	-	12.522	-	-	-	-	-	12.52
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	12.522	-	-	-	-	-	12.52
Subtotal: Software Cost	-	-	-	-	-	-	-	-	-	-	-	12.522	-	-	-	-	-	12.52
Package Fielding Cost																		

UNCLASSIFIED
Page 3 of 11

Exhibit P-5, Cost Analysis: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

Item Number / Title [DODIC]: C29850 / PrSM Baseline

2032A / 02 / 10

ID Code (A=Service Ready, B=Not Service Ready):

8540C29600 / PRECISION STRIKE MISSILE (PRSM)

MDAP/MAIS Code:

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

	P	rior Years	•		FY 2022			FY 2023		F۱	2024 Ba	se	F۱	2024 OC	0	FY	2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Non Recurring Cost					· ·				J.								,	
Fielding	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.03
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.0
Subtotal: Package Fielding Cost	-	-	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	-	0.0
Support - Common Support E	quipment Cost				'								,			'		
Support and Handling Equipment	-	-	0.900	-	-	1.747	-	-	1.328	-	-	3.410	-	-	-	-	-	3.41
Subtotal: Support - Common Support Equipment Cost	-	-	0.900	-	-	1.747	-	-	1.328	-	-	3.410	-	-	-	-	-	3.41
Support - Data Cost					,				,				,				,	
Technical Publications	-	-	0.484	-	-	0.941	-	-	0.715	-	-	1.836	-	-	-	-	-	1.83
Subtotal: Support - Data Cost	-	-	0.484	-	-	0.941	-	-	0.715	-	-	1.836	-	-	-	-	-	1.83
Support - Initial Spares and R	epair Parts Cos	it																
Initial Spares and Repair Parts	-	-	0.713	-	-	0.728		-	0.743	-	-	-	-	-	-	-	-	-
Subtotal: Support - Initial Spares and Repair Parts Cost	-	-	0.713	-	-	0.728	-	-	0.743	-	-	-	-	-	-	-	-	-
Support - Program Managem	ent Cost																	
Government Management	-	-	1.107	-	-	2.150	-	-	2.193	-	-	2.237	-	-	-	-	-	2.23
Subtotal: Support - Program Management Cost	-	-	1.107	-	-	2.150	-	-	2.193	-	-	2.237	-	-	-	-	-	2.23
Support - Training Cost																		
Services	-	-	1.107	-	-	2.150	-	-	1.635	-	-	4.198	-	-	-	-	-	4.19
Subtotal: Support - Training Cost	-	-	1.107	-	-	2.150	-	-	1.635	-	-	4.198	-	-	-	-	-	4.19
Gross/Weapon System Cost	2,304.962	26	59.929	3,076.481	54	166.130	2,262.167	72	162.876	3,491.555	110	384.071	-	-	-	3,491.555	110	384.07

Remarks:

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.

Exhibit P-5, Cost Analysis: PB 2024 Army		Date: March 2023
		Item Number / Title [DODIC]: C29850 / PrSM Baseline
2032A 1 02 1 10	03400290007 FRECISION STRIKE MISSILE (FRSM)	C290307 F13W Dasellile

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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.

Secondar	y 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
Total:	Quantity	54	72	110	-	110
Secondary Distribution	Total Obligation Authority	166.130	162.876	384.071	-	384.071

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 A	Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 02 / 10	8540C29600 / PRECISION STRIKE MISSILE (PRSM)	C29850 / PrSM Baseline

						•	,					
Cost Elements	0 0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Revision	RFP Issue Date
Recurring Production ^(†)		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 ^(†)		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 ^(†)		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 ^(†)		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

^(†) 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.

E	(hi	bit F	P-21, Pro	ducti	on Sc	hedu	le: Pl	3 202	4 Arm	าง														Date	e: Ma	rch 20)23				
			i ation / 1 02 / 10	Budge	et Acti	vity /	Bud	get Si	ub Ac	tivity	:		Line 10C29						MISS	SILE ((PRSI	M)			Nun 850 /			_)IC]:		
				ements n Each)		,						Fiscal Y	ear 2021					,						Fiscal Y	ear 2022						В
					ACCEPT									C	Calendar	Year 20	21								Caler	ıdar Yeaı	2022				Ļ
000		FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J J	A U G	S E P	A N C E
Re	curri	ing Pro	duction																												
	1	2021	ARMY	26	0	26		_										Α -	-	-	-	-	-	-	-	-	-	-	-	-	26
	1	2022	ARMY	54	0	54																						,		Α -	54
	1	2023	ARMY	42	0	42																									42
	1	2024	ARMY	110	0	110																									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	T U	A U G	S E P	

Ex	hibi	it P	-21, Pro	ducti	on Sc	hedu	le: Pl	3 202	4 Arn	ny														Date	: Mar	rch 20)23						
			ation / I 2 / 10	Budge	t Acti	vity /	Bud	get Sı	ıb Ac	ctivity	•						Title: ON ST		MISS	SILE (PRSI	M)		Item C298)IC]:				
			Cost El (Units i									Fiscal Y	ear 2023										F	iscal Ye	ar 2024						В		
	_				ACCEPT									C	alendar	Year 202	23								Calen	dar Year	2024				, <u>i</u>		
0 0	F R	-Y	SERVICE	PROC QTY	PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J J	A U G	A B S	0 C T	N O V	D E C	J A N	F E B	M A M J J A S N A P A U U U E C R R Y N L G P E									
Rec	urring	Prod	uction			-																											
	1 20	021	ARMY	26	0	26	-	-	-	-	-	-	-	-	-	-	-	4	2	2	2	2	2	2	2	2	2	2	2		0		
	1 20	022	ARMY	54	0	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	50		
	1 20	023	ARMY	42	0	42												Α -	-	-	-	-	-	-	-	-	-	-	-	-	42		
	1 20	024	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	N N J	n n	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P			

Ex	hi	bit F	P-21, Pro	oducti	on Sc	hedul	le: PE	3 202	4 Arm	ıy														Date	: Mar	ch 20)23				
			iation / 1 02 / 10	Budge	et Acti	vity /	Budg	get Su	ıb Ac	tivity	:		_	Item 9600 /					MISS	SILE (PRSI	M)		Item C298				[DOD	IC]:		
				ements n Each)						,		Fiscal Y	ear 2025	1										Fiscal Ye	ar 2026						В
					ACCEPT									c	Calendar	Year 202	.5								Calen	dar Year	2026				Ĺ
0 C 0		FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C
Rec	curri	ing Pro	duction																												
	1	2021	ARMY	26	26	0																									
	1	2022	ARMY	54	4	50	4	4	4	4	4	4	4	4	6	6	6														
	1	2023	ARMY	42	0	42	-	-	-	-	-	-	-	-	-	-	-	2	2	2	4	4	4	4	4	4	4	4	4		
	1	2024	ARMY	110	0	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A	J	n n	A U G	S E	0 0 0	N O V	D E C	J A N	F E B	M A R	A P R	M A	N N	n n	A U G	S E P	

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Ex	hibit	P-21, Pro	oducti	on Sc	hedul	le: PE	3 2024	1 Arm	ıy														Date	e: Ma	rch 20)23				
		riation / 02 / 10	Budge	et Acti	vity /	Budg	jet Su	ıb Ac	tivity	:	1					Title: ON ST		MIS	SILE ((PRSI	M)				n ber / PrSM)IC]:		
			lements in Each)								Fiscal Ye	ear 2027											Fiscal Y	ear 2028	1					В
0 0 0	F R	SERVICE	PROC QTY			O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C E
Rec	urring Pr	oduction											,										,							
	1 2021	ARMY	26	26	0																									0
	_	ARMY	54	54																										0
	_	ARMY	42	42									1				1													0
	1 2024	ARMY	110	8	102	8	8	8	8	10	10	10	10	10	10	10			1	1		1		1					·	0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N J	n n	U G	S E P	O C T	N O V	E C	J A N	F E B	M A R	A P R	A Y	N U J	U U J	A U G	S E P	

Exhibit P-21, Production Schedule: PB 2024 Army		Date: March 2023
		Item Number / Title [DODIC]:
2032A / 02 / 10	8540C29600 / PRECISION STRIKE MISSILE (PRSM)	C29850 / PrSM Baseline

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Ir	nitial			Reo	rder	
Ref #		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	3 24	32	0	8	18	26

[&]quot;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 999,999,999 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).

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 473

ID Code (A=Service Ready, B=Not Service Ready):

Line item widap/wiais code: 4/3												
D	Prior	EV 0000	EV 0000	FY 2024	FY 2024	FY 2024	EV 2005	F.V. 0000	EV 0007	E\/ 0000	То	T.4.1
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	280	-	-	24	-	24	47	56	56	54	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	31.286	-	-	-	-	-	-	-	-	-	-	31.286
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	31.286	-	-	-	-	-	-	-	-	-	-	31.286
Total Obligation Authority (\$ in Millions)	104.951	19.053	18.924	313.189	-	313.189	697.307	1,002.324	1,023.636	985.973	Continuing	Continuing
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	g budget request:	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

LI 8930C61001 - INDIRECT FIRE PROTECTION CAPABILITY INC ...

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.

Secondar	y 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

UNCLASSIFIED

Page 1 of 10

47

Volume 1 - 45

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 473

ID Code (A=Service Ready, B=Not Service Ready):

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
Total:	Quantity	-	-	24	-	24	47	56	56	54
Secondary Distribution	Total Obligation Authority	19.053	18.924	313.189	-	313.189	697.307	1,002.324	1,023.636	985.973

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 473

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
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
P-40	Total Gross/Weapon System Cost				280 / 104.951	- / 19.053	- / 18.924	24 / 313.189	- 1 -	24 / 313.189

^{*}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).

UNCLASSIFIED
Page 3 of 10

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

ID Code (A=Service Ready, B=Not Service Ready):		М	OAP/MAIS Code:			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
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	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	104.951	19.053	18.924	313.189	-	313.189
(The following Resource Summary rows are for informati	onal purposes only. The cor	responding budget request	s are documented elsewher	re.)		?
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.

	Prior Years				FY 2022			FY 2023		FY	2024 Bas	se	F۱	/ 2024 OC	0	F	Y 2024 Tot	tal
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Hardware Cost	·									·					·			
Recurring Cost																		
IFPC Interceptor Procurement ^(†)	-	-	-	-	-	-	-	-	-	520.258	66	34.337	-	-	-	520.258	66	34.33
IFPC Magazine Procurement ^(†)	-	-	-	-	-	-	-	-	-	1,240.909	11	13.650	-	-	-	1,240.909	11	13.65
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	47.987	-	-	-	-	-	47.98
Non Recurring Cost	,					•				,					,	,		
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

P-1 Line #7

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Item Number / Title [DODIC]: C62002 / IFPC INC 2-I BLOCK 1

2032A / 02 / 10 89

8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY INC 2-I

SYSTEM

Date: March 2023

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

Prior Years FY 2022

Appropriation / Budget Activity / Budget Sub Activity:

	Р	rior Years	3		FY 2022			FY 2023		F	7 2024 Ba	se	F	Y 2024 OC	0	FY	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
IFPC Non-Recurring Production	-	-	-	-	-	-	-	-	-	-	-	27.000	-	-	-	-	-	27.000
Subtotal: Non Recurring Cost	-	-	84.006	-	-	-	-	-	-	-	-	27.000	-	-	-	-	-	27.000
Subtotal: Hardware Cost	-	-	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
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	11.832	-	-	-	-	-	11.832
Subtotal: Software Cost	-	-	-	-	-	-	-	-	-	-	-	11.832	-	-	-	-	-	11.832
Command and Launch Cost							,			•								
IFPC Launchers and Training Launchers ^(†)	-	-	-	-	-	-	-	-	-	5,049.167	24	121.180	-	-	-	5,049.167	24	121.180
Subtotal: Command and Launch Cost	-	-	-	-	-	-	-	-		-		121.180	-	-	-	-	-	121.18
Support - Initial Spares and R	Repair Parts Cos	st																
Initial Spares and Repair Parts	-	-	-	-	-	-	-	-	-	-	-	5.097	-	-	-	-	-	5.097
Subtotal: Support - Initial Spares and Repair Parts Cost	-	-	-	-	-	-	-	-	-	-	-	5.097	-	-	-	-	-	5.09
Support - Logistics Cost																		
Integrated Logistics Support	-	-	20.945	-	-	19.053	-	-	18.924	-	-	56.436	-	-	-	-	-	56.436
Subtotal: Support - Logistics Cost	-	-	20.945	-	-	19.053	-	-	18.924	-	-	56.436	-	-	-	-	-	56.43
Support - Operational/Site Ac	tivation Cost																	
Contractor Technical Support	-	-	-	-	-	-	-	-	-	-	-	3.539	-	-	-	-	-	3.539
Subtotal: Support - Operational/Site Activation Cost	-	-	1	-	-	-	-	-	1	-	1	3.539	-	•	-	-	-	3.53
Support - Program Managem	ent Cost															·		
Government Management	-	-	-	-	-	-	-	-	-	-	-	7.666	-	-	-	-	-	7.666

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title: 8930C61001 / INDIRECT FIRE PROTECTION CAPABILITY

INC 2-I

Date: March 2023

Item Number / Title [DODIC]: C62002 / IFPC INC 2-I BLOCK 1

SYSTEM

ID Code (A=Service Ready, B=Not Service Ready):

2032A / 02 / 10

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

	F	Prior Years	3		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F۱	/ 2024 OC	0	F۱	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Contractor Management	-	-	-	-	-	-	-	-	-	-	-	15.963	-	-	-	-	-	15.963
Subtotal: Support - Program Management Cost	-	-	-	-	-	-	-	-	-	-	-	23.629	-	-	-	-	-	23.629
Support - Support Equipment	Cost																	
Maintenance Equipment	-	-	-	-	-	-	-	-	-	-	-	8.679	-	-	-	-	-	8.679
Subtotal: Support - Support Equipment Cost	-	-	-	-	-	-	-	-	-	-	-	8.679	-	-	-	-	-	8.679
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	-	-	-	7.810	-	-	-	-	-	7.810
Subtotal: Support - Training Cost	-	-	-	-	-	-	-	-	-	-	-	7.810	-	-	-	-	-	7.810
Gross/Weapon System Cost	374.825	280	104.951	-	-	19.053	-	-	18.924	13,049.542	24	313.189	-	-	-	13,049.542	24	313.189

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 facilitization 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.

Seconda	ry 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
Total:	Quantity	-	-	24	-	24
Secondary Distribution	Total Obligation Authority	19.053	18.924	313.189	-	313.189

(†) indicates the presence of a P-5a

UNCLASSIFIED
Page 6 of 10

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

Cost Elements	0 0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
IFPC Interceptor Procurement ^(†)		2024	Raytheon / Tuscon, Arizona	SS/FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	66	520.258	N		
IFPC Magazine Procurement ^(†)		2024	Abrams / Tucson, Arizona	SS / FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	11	1,240.909	N		
IFPC Launchers and Training Launchers ^(†)		2024	Chase Facility / Huntsville, Alabama	SS / FP	Redstone Arsenal, AL	Jun 2024	Dec 2025	24	5,049.167	N		

^(†) indicates the presence of a P-21

lule: PB 2024 Ar	Activity:		e Item Num 1001 / INDI			PROTEC	TION CA	PABILITY	Item I	March 2 Number 1 02 / IFPC EM	/ Title			1
		8930C61 INC 2-I	1001 / INDI			PROTEC	TION CAI	PABILITY	C6200	02 / IFPC				<u> </u>
		Fiscal Year 2024												
									Fiscal Year	r 2025				
			Calendar	Year 2024						Calendar Yea	r 2025			
OF C O E	A E	M A P R R	M J A U Y N	J U L	A U G	S O C P T	N D E V C	J F A E N B	M A R	A M P A R Y	J U N	J U L	A U G	S E P
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11			Α -	-	-				-		-	-	-	-
24			Α -	-	-				-		-	-	-	-
	AE	M A P R R	M J A U Y N	J U	A U G	S O E C P T	N D E V C	J F A E N B	M A R	A M P A R Y	J U N	J L	A U G	S E P
	O N D C O E	O N D J F C O E A E	O N D J F M A C O E A E A P	O N D J F M A M J C O E A E A P A U	O N D J F M A M J J C O E A E A P A U U	O N D J F M A M J J A C O E A E A P A U U U	O N D J F M A M J J A S O C O E A E A P A U U U E C	O N D J F M A M J J A S O N D C O E A E A P A U U U E C O E	O N D J F M A M J J A S O N D J F C O E A E A P A U U U E C O E A E	O N D J F M A M J J A S O N D J F M C O E A E A P A U U U E C O E A E A	O N D J F M A M J J A S O N D J F M A M C O E A E A P A U U U E C O E A E A P A	O N D J F M A M J J A S O N D J F M A M J C O E A E A P A U U U E C O E A E A P A U	O N D J F M A M J J A S O N D J F M A M J J C O E A E A P A U U U E C O E A E A P A U U	O N D J F M A M J J A S O N D J F M A M J J A C O E A E A P A U U U U E C O E A E A P A U U U

P-1 Line #7

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

		Produc	ction Rates (Each	/ Year)				Procurement Le	adtime (Months)			
MFR						In	tial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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 - Tuscon, 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

[&]quot;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 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).

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

9214C81200 / MID-RANGE CAPABILITY (MRC)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	58	-	58	32	-	59	93	-	242
Gross/Weapon System Cost (\$ in Millions)	-	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674	-	963.155
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674	-	963.155
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674	-	963.155
(The following	Resource Sum	mary rows are fo	or informational p	ourposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	_
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	_
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	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 inflight 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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

9214C81200 / MID-RANGE CAPABILITY (MRC)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

Secondar	y 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
Total:	Quantity	-	-	58	-	58	32	-	59	93
Secondary Distribution	Total Obligation Authority	-	-	169.519	-	169.519	96.296	56.510	265.156	375.674

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 10: Surface-to-Air

9214C81200 / MID-RANGE CAPABILITY (MRC)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): 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)					
P-5	C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	P-5a, P-21			- / -	- / -	- / -	58 / 169.519	- / -	58 / 169.519
P-40	Total Gross/Weapon System Cost				- 1 -	- 1 -	- 1 -	58 / 169.519	- 1 -	58 / 169.519

^{*}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
Page 3 of 8

Exhibit P-5, Cost Analysis: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 10	P-1 Line Item Number / Title: 9214C81200 / MID-RANGE CAPABILITY (MRC)	Item Number / Title [DODIC]: C81214 / TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)
ID Code (A=Service Ready, B=Not Service Ready):	MDAP/MAIS Code:	

ears	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
			= . = . =	1 1 2024 000	F 1 2024 10tai
-	-	-	58	-	58
-	-	-	169.519	-	169.519
-	-	-	-	-	-
-	-	-	169.519	-	169.519
-	-	-	-	-	-
-	-	-	169.519	-	169.519
nly. The co	rresponding budget request	s are documented elsewhe	re.)		
-	-	-	-	-	-
-	-	-	2,922.741	-	2,922.741
	- - - - nly. The co			169.519 169.519 169.519 169.519 169.519 169.519 Inly. The corresponding budget requests are documented elsewhere.)	169.519 169.519

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

	F	Prior Years	s		FY 2022			FY 2023		FY	/ 2024 Bas	se	F	7 2024 OC	:0	F	Y 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Tactical Tomahawk ^(†)	-	-	-	-	-	-	-	-	-	2,922.741	58	169.519	-	-	-	2,922.741	58	169.519
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	169.519	-	-	-	-	-	169.519
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	-	-	-	169.519	-	-	-	-	-	169.519
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	2,922.741	58	169.519	-	-	-	2,922.741	58	169.519

Secondar	y 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
Total:	Quantity	-	=	58	=	58
Secondary Distribution	Total Obligation Authority	-	-	169.519	-	169.519

^(†) indicates the presence of a P-5a

UNCLASSIFIED
Page 4 of 8

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

Cost Elements	0 C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
Tactical Tomahawk ^(†)		2024	Ratheon Missile System / Tucson, AZ	SS / FPIF	NAVAIR	Dec 2023	Dec 2025	58	2,922.741	Y		Dec 2020

^(†) indicates the presence of a P-21

Ε	xhibit	P-21, Pro	oduct	ion Sc	hedu	le: PE	3 202	4 Arm	ıy														Date	: Maı	rch 20	23				
	Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 10 Cost Elements Cost Elements													ILITY	(MRC	C)			C81:	214 / 1AHA	TOM		٧K A۱	_	ING					
		(Units in Each) Fiscal Year 2024														Fiscal Y	ear 2025						В							
	M			ACCEPT									C	alendar	Year 202	24								Calen	dar Year	2025				L
0 0	F R	PRIOR BAL							F E B	M A R	A P R	M A Y	N N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	N C E	
T	actical Tomahawk																													
	1 2024 ARMY 58 0 58 A											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58			
		2024 ARMY 58 0 58							F E B	M A R	A P R	M A Y	J U	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

Exhibit P-21, Pro	oduct	ion Sc	hedu	le: PE	3 202	4 Arm	y														Date	: Ma	rch 20	023				
Appropriation / 2032A / 02 / 10	Budg	et Acti	vity /	Budg	jet Su	ıb Ac	tivity	:		Line 4C812		-				ILITY	(MR	C)			C81 TON	214 / 1AHA	TOM		VK AI	_	ING	
	Cost Elements (Units in Each) Fiscal Year 2026															Fiscal Y	ear 2027						В					
											С	alendar	Year 202	26								Caler	ndar Year	r 2027				L
M	ACCEPT								M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C E
Tactical Tomahawk		'			,	,				<u> </u>					,	,				,		,			,			
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	024 ARMY 58 0 58 - - 5 10										M A Y	J U N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N J	J U L	A U G	S E P	

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

		Produc	ction Rates (Each	/ Year)	,			Procurement Le	adtime (Months)			
MFR						Ir	itial			Red	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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	(24	24	0	0	0	0

[&]quot;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 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).

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface | 1338C70000 / Hellfire Sys Summary

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203802A, 0210109A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

				= >/ 000 /	T)/ 000/	T)/ 000/					_	
	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	84,989	920	766	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	5,383.389	115.431	108.401	21.976	-	21.976	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	5,383.389	115.431	108.401	21.976	-	21.976	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,383.389	115.431	108.401	21.976	-	21.976	-	-	-	-	Continuing	Continuing
(The following	Resource Sumi	mary rows are fo	or informational p	urposes only. Th	e corresponding	budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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 Longbow. HELLFIRE II procurement funding supports the entire HELLFIRE II and HELLFIRE Longbow systems to include resolution of obsolescence, endof-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	y 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	-	-	-	-
Total:	Quantity	920	766	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	115.431	108.401	21.976	-	21.976	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface | 1338C70000 / Hellfire Sys Summary

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203802A, 0210109A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): 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)					
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
P-40	Total Gross/Weapon System Cost				84,989 / 5,383.389	920 / 115.431	766 / 108.401	- / 21.976	- 1 -	- / 21.976

^{*}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.

UNCLASSIFIED LI 1338C70000 - Hellfire Sys Summary

Page 2 of 5

Volume 1 - 64

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

Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: Item Number / Title [DODIC]: 2032A / 02 / 20 C70100 / LASER HELLFIRE MSL 1338C70000 / Hellfire Sys Summary

(BASIC/IHW/HFII)

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)	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)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,383.389	115.431	108.401	21.976	-	21.976
(The following Resource Summary rows are for info	rmational purposes only. The cor	responding budget request	s are documented elsewher	re.)		

(The following Resource Summary rows are for information	onal purposes only. The cor	responding budget request	s are documented elsewhe	re.)		
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.

	Prior Years		3		FY 2022			FY 2023		FY	2024 Ba	se	F١	/ 2024 OC	0	FY	/ 2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost	· · · · · · · · · · · · · · · · · · ·	'		'			'	'				'				·		
Recurring Cost																		
All-up Rounds ^(†)	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	-	-	-	-	-	2.25
Acceptance Testing	-	-	92.334	-	-	1.528	-	-	1.558	-	-	1.357	-	-	-	-	-	1.35
Subtotal: Recurring Cost	-	-	4,823.238	-	-	104.201	-	-	83.840	-	-	3.610	-	-	-	-	-	3.61
Subtotal: Flyaway Cost	-	-	4,823.238	-	-	104.201	-	-	83.840	-	-	3.610	-	-	-	-	-	3.61
Support - Fielding Cost																		
Fielding	-	-	55.609	-	-	0.319	-	-	0.345	-	-	0.451	-	-	-	-	-	0.45
Subtotal: Support - Fielding Cost	-	-	55.609	-	-	0.319	-	-	0.345	-	-	0.451	-	-	-	-	-	0.45
Support - Production Enginee	ring Cost																	
Production Engineering	-	-	269.154	-	-	3.445	-	-	10.798	-	-	10.102	-	-	-	-	-	10.10
Subtotal: Support - Production Engineering Cost	-	-	269.154	-	-	3.445	-	-	10.798	-	-	10.102	-	-	-	-	-	10.10
Support - Program Manageme	ent Cost																	
Government Management	-	-	235.407	-		7.466	-	-	13.418	-	-	7.813	-	-	-	-	-	7.81
Subtotal: Support - Program Management Cost	-	-	235.407	-	-	7.466	-	-	13.418	-	-	7.813	-	-	-	-	-	7.81
Gross/Weapon System Cost	63.342	84,989	5,383.389	125.468	920	115.431	141.516	766	108.401	-	-	21.976	-	-	-	-	-	21.97

LI 1338C70000 - Hellfire Sys Summary

Army

Volume 1 - 65

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

ID Code (A=Service Ready, B=Not Service Read	dy):		MDAP/MAIS Code):		
Secondar	y 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
Total:	Quantity	920	766	-	<u>-</u>	-
Secondary Distribution	Total Obligation Authority	115.431	108.401	21.976	-	21.976

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 02 / 20

P-1 Line Item Number / Title:

1338C70000 / Hellfire Sys Summary

Date: March 2023

Item Number / Title [DODIC]:

C70100 / LASER HELLFIRE MSL

(BASIC/IHW/HFII)

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
All-up Rounds	1	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 prorata 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.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface 2605C70302 / Joint Air-to-Ground MSLS (JAGM)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0605450A

Line Item MDAP/MAIS Code: 355

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	3,336	406	629	901	-	901	318	608	535	574	13,609	20,916
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	64.456	-	-	-	-	-	-	-	-	-	-	64.456
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	64.456	-	-	-	-	-	-	-	-	-	-	64.456
Total Obligation Authority (\$ in Millions)	964.570	147.177	216.030	303.409	-	303.409	162.490	191.751	175.659	181.500	5,021.811	7,364.397
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	g budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Secondar	ry 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
Total:	Quantity	406	629	901	-	901	318	608	535	574
Secondary Distribution	Total Obligation Authority	147.177	216.030	303.409	-	303.409	162.490	191.751	175.659	181.500

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface 2605C70302 / Joint Air-to-Ground MSLS (JAGM)

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: 0605450A

Line Item MDAP/MAIS Code: 355

ID Code (A=Service Ready, B=Not Service Ready):

					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)					
P-5	C70302 / Joint Air-to-Ground MSLS (JAGM)	ID MAIS Quantity / Total Cost Quantity / Total Cost (Each) / (\$M\$) (Each) / (\$			- / -	901 / 303.409				
P-40	Total Gross/Weapon System Cost				3,336 / 964.570	406 / 147.177	629 / 216.030	901 / 303.409	- 1 -	901 / 303.409

^{*}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.

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

MDAP/MAIS Code:

The service ready, a rior service ready).			, a , a, a			
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	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	964.570	147.177	216.030	303.409	-	303.409
(The following Resource Summary rows are for informa	tional purposes only. The cor	responding budget request	s are documented elsewher	re.)		
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.

ID Code (A=Service Ready, B=Not Service Ready) :

Army

	Pr	ior Years	;		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F۱	/ 2024 OC	0	F	Y 2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
All Up Rounds (AUR) ^(†)	207.083	3,503	725.411	260.993	406	105.963	258.111	629	162.352	249.431	993	247.685	-	-	-	249.431	993	247.68
Engineering Services	-	-	86.318	-	-	3.837	-	-	11.680	-	-	12.960	-	-	-	-	-	12.96
Acceptance Testing	-	-	5.106	-	-	2.269	-	-	2.671	-	-	2.724	-	-	-	-	-	2.72
Subtotal: Recurring Cost	-	-	816.835	-	-	112.069	-	-	176.703	-	-	263.369	-	-	-	-	-	263.36
Subtotal: Flyaway Cost	-	-	816.835	-	-	112.069	-	-	176.703	-	-	263.369	-	-	-	-	-	263.36
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	-	-	-	-		0.08
Support - Initial Spares and R	epair 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 Enginee	ring Cost																	
Production Engineering	-	-	64.985	-	-	14.789	-	-	18.076	-	-	19.931	-	-	-	-	-	19.93 ⁻
Subtotal: Support - Production Engineering Cost	-	-	64.985	-	-	14.789	-	-	18.076	-	-	19.931	-	-	-	-	-	19.93
Support - Program Manageme	ent Cost				·													

LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM)

UNCLASSIFIED Page 3 of 11

Volume 1 - 70 P-1 Line #10

Exhibit P-5, Cost Analysis: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 02 / 20

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

C70302 / Joint Air-to-Ground MSLS (JAGM)

(JAGM)

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

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

	F	Prior Years	\$		FY 2022			FY 2023		F	Y 2024 Ba	se	F	Y 2024 OC	:0	F	Y 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)												
Government Management	-	-	48.577	-	-	15.559	-	-	15.101	-	-	16.771	-	-	-	-	-	16.771
Subtotal: Support - Program Management Cost	-	-	48.577	-	-	15.559	-	-	15.101	-	-	16.771	-	-	-	-	-	16.771
Support - System Test and Ev	aluation Cost												,			•		
Test and Evaluation Support	-	-	28.328	-	-	2.797	-	-	2.804	-	-	2.799	-	-	-	-	-	2.799
Subtotal: Support - System Test and Evaluation Cost	-	-	28.328	-	-	2.797	-	-	2.804	-	-	2.799	-	-	-	-	-	2.799
Support - Training Cost													,			•		
Equipment	-	-	-	-	-	1.380	-	-	3.295	-	-	0.459	-	-	-	-	-	0.459
Subtotal: Support - Training Cost	-	-	-	-	-	1.380	-	-	3.295	-	-	0.459	-	-	-	-	-	0.459
Gross/Weapon System Cost	289.140	3,336	964.570	362.505	406	147.177	343.450	629	216.030	336.747	901	303.409	-	-	-	336.747	901	303.409

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.

Secon	dary 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
Total:	Quantity	406	629	901	-	901
Secondary Distribution	Total Obligation Authority	147.177	216.030	303.409	-	303.409

^(†) indicates the presence of a P-5a

UNCLASSIFIED
Page 4 of 11

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

	0 C			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
All Up Rounds (AUR) ^(†)		2019	Lockheed Martin / Orlando	C / FPIF	Redstone Arsenal, AL	Nov 2019	Mar 2022	721	223.569	Y		Aug 2018
All Up Rounds (AUR) ^(†)		2020	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2021	May 2023	494	212.043	Y		Jun 2019
All Up Rounds (AUR) ^(†)		2021	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2021	Mar 2024	537	209.320	Y		Jun 2019
All Up Rounds (AUR) ^(†)		2022	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2023	Dec 2024	406	260.993	Y		Sep 2020
All Up Rounds (AUR) ^(†)		2023	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	May 2023	Dec 2025	629	258.111	Y		Sep 2020
All Up Rounds (AUR) ^(†)		2024	Lockheed Martin / Orlando	SS / FPIF	Redstone Arsenal, AL	Mar 2024	Dec 2026	993	249.431	Y		Sep 2020

^(†) 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.

Exhibit P-21, Production Schedule: PB 2024 Army Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 20 Cost Elements (Units in Each) P-1 Line Item Number / Title: 2605C70302 / Joint Air-to-Ground MSLS ((JAGI	M)			Item	302 <i>I</i>	ber /	Title	[DOE -Grou		SLS								
				in Each)								Fiscal Ye	ear 2020											Fiscal Y							i,
0 F	R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	Year 202 J U L	20 A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	L A N
		Rounds	(AUR)															l													
Prior	r Ye	ars De	liveries: 1751	1																											
•	1 :	2019	ARMY	721	0	721		Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1	2019	NAVY (‡)	75	0	75		Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1 :	2019	Total	796	0	796		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1 :	2020	AF ^(‡)	43	0	43																		Α -	-	-	-	-	-	-	
1	1 :	2020	ARMY	494	0	494																		Α -	-	-	-	-	-	-	
1	1 :	2020	FMS (‡)	1	0	1																		Α -	-	-	-	-	-	-	
1	1 :	2020	NAVY (‡)	320	0	320																		Α -	-	-	-	-	-	-	
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LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM) Army

UNCLASSIFIED
Page 6 of 11

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LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM) Army

UNCLASSIFIED
Page 7 of 11

P-1 Line #10 Volume 1 - 74

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LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM) Army

UNCLASSIFIED
Page 8 of 11

P-1 Line #10 **Volume 1 - 75**

Exh	ibit	P-21, Pro	oducti	on Sc	hedul	e: PB	2024	4 Arm	y														Date	: Mar	ch 20	23			
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LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM) Army

UNCLASSIFIED
Page 9 of 11

		P-21, Pr							-										_					e: Ma					
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LI 2605C70302 - Joint Air-to-Ground MSLS (JAGM) Army

UNCLASSIFIED
Page 10 of 11

P-1 Line #10

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

		Produ	ction Rates (Each	/ Year)				Procurement Le	adtime (Months)			
MFF						lni	tial			Red	rder	
Ref	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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
•	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.

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 999,999,999 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

P-1 Line #10

^(‡) 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.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface | 2607C71300 / Long Range Precision Munition

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	196	236	-	-	-	-	-	-	50	60	-	542
Gross/Weapon System Cost (\$ in Millions)	38.107	44.744	-	-	-	-	-	-	30.857	38.710	-	152.418
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	38.107	44.744	-	-	-	-	-	-	30.857	38.710	-	152.418
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	38.107	44.744	-	-	-	-	-	-	30.857	38.710	-	152.418
(The following	Resource Sumi	mary rows are fo	r informational p	ourposes only. Ti	ne corresponding	g budget request	s are documente	ed elsewhere.)	!			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Secondar	y 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
Total:	Quantity	236	-	-	-	-	-	-	50	60
Secondary Distribution	Total Obligation Authority	44.744	-	-	-	-	-	-	30.857	38.710

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.

> UNCLASSIFIED Page 1 of 1

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface 2611C72100 / LONG-RANGE HYPERSONIC WEAPON

Missile System

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

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
•		_										
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083	-	2,822.090
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083	-	2,822.090
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083	-	2,822.090
(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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).

Secondar	y 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
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	249.285	156.821	-	156.821	1,016.519	723.571	380.811	295.083

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface 2611C72100 / LONG-RANGE HYPERSONIC WEAPON

Missile System

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-5	C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)	P-5a, P-21			- / -	- / -	- / 249.285	- / 156.821	- / -	- / 156.821
P-40	Total Gross/Weapon System Cost			- 1 -	- 1 -	- / 249.285	- / 156.821	- 1 -	- / 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.

UNCLASSIFIED Page 2 of 8

Exhibit P-5, Cost Analysis: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 02 / 20

P-1 Line Item Number / Title:
2611C72100 / LONG-RANGE HYPERSONIC WEAPON
WEAPON (LRHW)

ID Code (A=Service Ready, B=Not Service Ready):		М	DAP/MAIS Code:			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
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)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	249.285	156.821	-	156.821
(The following Resource Summary rows are for informati	onal purposes only. The cor	responding budget request	s are documented elsewher	e.)		
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.

	P	rior Years	3		FY 2022			FY 2023		FΥ	' 2024 Bas	se	FY	2024 OC	0	FY	2024 Tot	:al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost				'			'	'		'		'	'			'		
Recurring Cost	_																	
LRHW Ground Support Equipment (GSE) Production & Integration ^(†)	-	-	-	-	-	-	169,425.000	1	169.425	-	-	66.470	-	-	-	-	-	66.4
All Up Round + Cannister (AUR + C)	-	-	-	-	-	-	-	-	30.822	-	-	23.713	-	-	-	-	-	23.7
Government Furnished Equipment	-	-	-	-	-	-	-	-	9.162	-	-	31.439	-	-	-	-	-	31.4
Other Recurring Production	-	-	-	-	-	-	-	-	5.894	-	-	4.962	-	-	-	-	-	4.9
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	215.303	-	-	126.584	-	-	-	-	-	126.5
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	215.303	-	-	126.584	-	-	-	-	-	126.5
Support - Program Managem	ent Cost																	
Government Management	-	-	-	-	-	-	-	-	17.996	-	-	18.356	-	-	-	-	-	18.3
Subtotal: Support - Program Management Cost	-	-	-	-	-	-	-	-	17.996	-	-	18.356	-	-	-	-	-	18.3
Support - System Engineering	g Cost			,						,								
System Engineering	-	-	-	-	-	-	-	-	15.986	-	-	11.881	-	-	-	-	-	11.88
Subtotal: Support - System Engineering Cost	-	-	-	-		-	-	-	15.986	-	-	11.881	-	-	-	-	-	11.88

UNCLASSIFIED
Page 3 of 8

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 20

2611C72100 / LONG-RANGE HYPERSONIC WEAPON

Item Number / Title [DODIC]: C72111 / LONG-RANGE HYPERSONIC

WEAPON (LRHW)

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

	F	Prior Years	3	FY 2022				FY 2023		F	/ 2024 Ba	se	FY 2024 OCO			F	Y 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)									
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	249.285	-	-	156.821	•	-	-	-	-	156.821

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

Secondar	y 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
Total:	Quantity	-	-	=	-	=
Secondary Distribution	Total Obligation Authority	-	249.285	156.821	-	156.821

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 A	Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 20		Item Number / Title [DODIC]: C72111 / LONG-RANGE HYPERSONIC WEAPON (LRHW)

Cost Elements	0 C 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
LRHW Ground Support Equipment (GSE) Production & Integration ^(†)		2023	Lockheed Martin / Huntsville, AL	SS / CPFF	Army Contracting Command RSA	Feb 2023	Jun 2025	1	169,425.000	Y		Dec 2022

^(†) 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.

Exhibit P-21, Production Schedu	le: PB 2024 Army			Date: March 2023			
Appropriation / Budget Activity / 2032A / 02 / 20	Budget Sub Activity:	P-1 Line Item Number / Title: 2611C72100 / LONG-RANGE HYPE	ERSONIC WEAPON	Item Number / Title [DODIC]: C72111 / LONG-RANGE HYPERSO WEAPON (LRHW)	ONIC		
Cost Elements (Units in Each)	Fi	iscal Year 2023		Fiscal Year 2024	В		
ACCEPT		Calendar Year 2023		Calendar Year 2024			
M		M A M J J A S A P A U U U E R R Y N L G P	O N D J F C O E A E T V C N B	M A M J J A S A P A U U U E R R Y N L G P	N C E		
LRHW Ground Support Equipment (GSE) Production & In	ntegration						
1 2023 ARMY 1 0 1	A -				1		
	O N D J F C O E A E T V C N B	M A M J J A S A P A U U U E R R Y N L G P	O N D J F C O E A E T V C N B	M A M J J A S A P A U U U E R R Y N L G P			

P-1 Line #12

Exhibit P-21, Pr	oduct	ion Sc	hedu	le: PE	3 2024	4 Arm	ıy														Date	e: Ma	rch 2	023				
Appropriation / 2032A / 02 / 20	Budg	et Acti	vity /	Budg	jet Su	ıb Ac	tivity	:		_	Item 2100 /	-			HYPE	RSO	NIC \	WEAI	PON		C72	111 <i>I</i>		G-RA	[DOI NGE	DIC]: HYPE	RSC	NIC
	lements in Each)								Fiscal Y	ear 2025											Fiscal Y	ear 2026	6					В
		ACCEPT							Calendar Year 2025									Calendar Year 2026					ì					
M	PROC QTY	PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A N C E
LRHW Ground Support Eq	uipment (0	SSE) Produ	iction & In	tegration						,	,		,										<u>'</u>					,
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	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	

P-1 Line #12

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

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Ir	nitial			Reo	order	
Ref	Manufacturer				ALT	ALT	Manufacturing	Total	ALT	ALT	Manufacturing	Total
#	Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	Prior to Oct 1	After Oct 1	PLT	After Oct 1	Prior to Oct 1	After Oct 1	PLT	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.

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 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).

[&]quot;A" in the Delivery Schedule indicates the Contract Award Date.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

0648CC0007 / Javelin (AAWS-M) System Summary

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604611A

Line Item MDAP/MAIS Code: 280

ID Code (A=Service Ready, B=Not Service Ready): A

	Prior		·	FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	34,001	6,105	565	541	-	541	834	583	568	547	-	43,744
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	100.622	-	-	-	-	-	-	-	-	-	-	100.622
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	100.622	-	-	-	-	-	-	-	-	-	-	100.622
Total Obligation Authority (\$ in Millions)	5,661.705	1,387.009	431.652	199.509	-	199.509	242.288	199.205	199.469	199.676	-	8,520.513
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	g budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

				FY 2024	FY 2024	FY 2024				
Secondar	y Distribution	FY 2022	FY 2023	Base	осо	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
Total:	Quantity	6,105	565	541	-	541	834	583	568	547
Secondary Distribution	Total Obligation Authority	1,387.009	431.652	199.509	-	199.509	242.288	199.205	199.469	199.676

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

0648CC0007 / Javelin (AAWS-M) System Summary

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: 0604611A

Line Item MDAP/MAIS Code: 280

ID Code (A=Service Ready, B=Not Service Ready): 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)					
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
P-40	Total Gross/Weapon System Cost				34,001 / 5,661.705	6,105 / 1,387.009	565 / 431.652	541 / 199.509	- 1 -	541 / 199.509

^{*}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.

Exhibit P-5, Cost Analysis: 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)
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)	33,996	5,614	408	354	-	354
Gross/Weapon System Cost (\$ in Millions)	5,645.735	1,173.216	368.530	132.564	-	132.564
Less PY Advance Procurement (\$ in Millions)	100.622	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	5,545.113	1,173.216	368.530	132.564	-	132.564
Plus CY Advance Procurement (\$ in Millions)	100.622	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,645.735	1,173.216	368.530	132.564	-	132.564
(The following Resource Summary rows are for informa	tional purposes only. The corr	esponding budget requests	are documented elsewher	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

	P	rior Years	3		FY 2022			FY 2023		FY	' 2024 Bas	e	F۱	2024 OC	:0	F۱	2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost	'	'			,		'						'		'	'	'	
Recurring Cost																		
All Up Round ^(†)	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	65.2
Engineering Services	-	-	205.871	-	-	9.908	-	-	10.126	-	-	10.328	-	-	-	-	-	10.3
Acceptance Testing	-	-	61.427	-	-	1.666	-	-	1.703	-	-	1.737	-	-	-	-	-	1.7
CLU Retrofits	118.433	1,073	127.079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	4,073.644	-	-	1,093.503	-	-	73.844	-	-	77.362	-	-	-	-	-	77.3
Non Recurring Cost																		
Obsolescence and Cost Reduction	-	-	33.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production Line Facilitization/ Maintenance	-	-	9.908	-	-	44.401	-	-	277.628	-	-	18.459	-	-	-	-	-	18.4
JOT Production Facilitization	-	-	-	-	-	26.050	-	-	-	-	-	5.989	-	-	-	-	-	5.9
Subtotal: Non Recurring Cost	-	-	43.005	-	-	70.451	-	-	277.628	-	-	24.448	-	=	-	-	-	24.4
Subtotal: Flyaway Cost	-	-	4,116.649	-	-	1,163.954	-	-	351.472	-	-	101.810	-	-	-	-	-	101.8
Support - Production Enginee	ering Cost	'					'			'			'			·'	,	
Production Engineering	-	-	127.419	-	-	5.033	-	-	9.107	-	-	9.289	-	-	-	-	-	9.2
Subtotal: Support - Production Engineering Cost	-	-	127.419	-	-	5.033	-	-	9.107	-	-	9.289	-	-	-	-	-	9.2

UNCLASSIFIED Page 3 of 24

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

Date: March 2023

2032A / 02 / 30

0648CC0007 / Javelin (AAWS-M) System Summary

H06102 / JAVELIN (AAWS-M)

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

Note. Subtotals of Totals II	T UNO EXTINOIT	o may no	or bo oxage o	- Carri Cxacti	, 440 10 104	nung.												,
	F	Prior Years	5		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F	/ 2024 OC	:0	F	/ 2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	1,401.653	-	-	4.228	-	-	7.951	-	-	8.111	-	-	-	-	-	8.111
Subtotal: Support - Program Management Cost	-	-	1,401.653	-	-	4.228	-	-	7.951	-	-	8.111	-	-	-	-	-	8.111
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	-	-	-	13.354	-	-	-	-	-	13.354
Subtotal: Support - Training Cost	-	-	-	-	-	-	-	-	-	-	-	13.354	-	-	-	-	-	13.354
Gross/Weapon System Cost	166.071	33,996	5,645.735	208.980	5,614	1,173.216	903.260	408	368.530	374.475	354	132.564	-	-	-	374.475	354	132.564

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.

Secondar	y 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
Total:	Quantity	5,614	408	354	-	354
Secondary Distribution	Total Obligation Authority	1,173.216	368.530	132.564	-	132.564

^(†) indicates the presence of a P-5a

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

					. , ,					<u>`</u>		
Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty	Unit Cost	Specs Avail Now?	Revision	RFP Issue
COSt Elements	U	Г	Contractor and Location	runding venicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	INOW:	Available	Date
All Up Round ^(†)		2020	JJV All Up Round <i>I</i> Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Jul 2020	Nov 2023	672	143.150	Υ		Oct 2019
All Up Round ^(†)		2021	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Apr 2021	Jul 2024	763	166.292	Υ		Oct 2019
All Up Round ^(†)		2022	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	May 2022	Jan 2025	5,614	192.720	Υ		Oct 2019
All Up Round ^(†)		2023	JJV All Up Round / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal, AL	Apr 2023	Sep 2027	408	151.998	Υ		Oct 2019
All Up Round ^(†)		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

^(†) 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

Ex	hibit l	P-21, Pr	oducti	on Sc	hedul	le: P	B 202	4 Arn	ny														Date	: Ma	rch 20)23				
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	1 2021	MC ^(‡)	99	0	99																			Α -	-	-	-	-	-	9
	1 2021	NAVY (‡)	3	0	3																			Α -	-	-	-	-	-	
	1 2021	Total	1,058	0	1,058																			-	-	-	-	-	-	1,05
	1 2022	+	5,614	0	5,614																									5,61
	1 2022	FMS ^(‡)	510	0	510																									51
	1 2022	MC ^(‡)	1,001	0	1,001																									1,00
	1 2022	NAVY (‡)	13	0	13																									1
	1 2022	Total	7,138	0	7,138																									7,13
	1 2023	ARMY	408	0	408																									40
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UNCLASSIFIED Page 6 of 24

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1 2023 MM 1 2023 NA 1 2023 O	ARMY	408	0	408																			Α -	-	-	-	-	-	40
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LI 0648CC0007 - Javelin (AAWS-M) System Summary Army

UNCLASSIFIED Page 8 of 24

Volume 1 - 95

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	1 2021	_	763	0	-	-	-	-	-	-	-	-	-	-	57	-	352	-	354											
	1 2021	FMS (‡)	193	0	193	-	-	-	-	-	-	-	-	-	193	-	-	-	-											
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	1 2022	FMS (‡)	510	0	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	-	-	158	-	-	56	-	-	9
	1 2022	MC ^(‡)	1,001	0	1,001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1,00
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1	1 2023	+	408	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
	1 2023	FMS (‡)	514	0	514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
\dashv	1 2023	MC ^(‡)	72	0	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	_	7
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						C T	0 V	E	A N	E B	A R	P R	A Y	U	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	

LI 0648CC0007 - Javelin (AAWS-M) System Summary Army

UNCLASSIFIED
Page 10 of 24

P-1 Line #13

Ex	hi	bit F	P-21, Pro	oducti	ion Sc	hedul	le: PE	3 2024	4 Arm	ıy														Date	: Maı	rch 20)23				
_	-	_	iation / 1 02 / 30	Budge	et Acti	vity /	Budg	jet Su	ıb Ac	tivity	' :	1	Line 18CC						ystem	n Sum	ımary	,		1			Title ELIN (-	_		
				ements n Each)								Fiscal Y	ear 2024											Fiscal Y	ear 2025						В
					ACCEPT									(Calendar	Year 202	24								Calen	ndar Year	2025 r				L
0	R	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A N C E
	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 L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Exl	hibit l	P-21, Pr	oducti	on Sc	hedul	e: PE	3 2024	4 Arm	ıy														Date	: Mar	ch 20	23				
		riation / 02 / 30	Budge	t Acti	vity /	Budg	jet Su	ıb Ac	tivity	:					ber /		-M) S	ystem	n Sum	mary						Title LIN (/				
			lements in Each)								Fiscal Y	ear 2026											Fiscal Ye	ar 2027						B A
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	Jp Round																													
Prio	r Years D	Deliveries: 321	42																											
	1 2020	ARMY	672	672	0																									С
	1 2020	FMS (‡)	327	327	0																									0
	1 2020	+	123	123	0																									0
-	1 2020	(1)	13	13	0																									0
-		+	391	391	0																									0
٠	_	Total	1,526	1,526	0	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_	-	. [-	_		- 1	- 1		0
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	1 2021	FMS (‡)	193	193	0																									0
١.	1 2021	MC ^(‡)	99	99	0																									0
1		NAVY (‡)	3	3	0																									0
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	1 2022	+	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	1 2022	+	1,001	1	1,000	-	-	_	-	-	-	_	-	-	-	-	-	-	-	_	-	-	-		-	37	-	-	542	421
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1	1 2023	FMS (‡)	514	0	514	-	-	-	-	-	-	-	-	-	-	-	-	-	54	120	-	-	340	-	-	-	-	-	-	0
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-	1 2023	-	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-		0
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+.	1 2024	ARMY	354	0	354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	354
-	1 2024	FMS (‡)	420	0	420	-	-	-	-	-	-	_	-	-	-	_	-	-	-	74	88	88	88	82	-	-	-	-		0
-	1 2024		273	0	273	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	_	_	-	_	-	-		273
-	1 2024		8	0	8	_	_	_	_	_	_	_	_	-	-	_	_	_	_	_	_	_	_	_	-	_	_	_		8
-	1 2024		106	0	106			_	_	_	_		_	_	_		_	_	_											106
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LI 0648CC0007 - Javelin (AAWS-M) System Summary Army

UNCLASSIFIED
Page 12 of 24

P-1 Line #13

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		

				ements n Each)								Fiscal Y	ear 2026											Fiscal Ye	ar 2027						В
					ACCEPT									C	alendar	Year 202	6								Calen	dar Year	2027				Ļ
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0	#	FY	SERVICE	QTY	2025	1 OCT	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	٧	С	N	В	R	R	Y	N	L	G	Р	E
	1	2024	Total	1,161	0	1,161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	88	88	88	82	-	-	-	-	-	741
							0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	
							С	0	E	Α	E	Α	P	Α	U	U	U	E	С	0	E	A	E	Α	P	Α	U	U	U	E	
							T	V	C	N	В	R	R	Y	N	L	G	P	T	٧	С	N	В	R	R	Y	N	L	G	Р	

Ex	hibit	P-21, Pr	oducti	on Sc	hedul	e: PE	3 2024	4 Arm	ıy														Date	e: Ma	rch 20	023				
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			Elements in Each)								Fiscal Yo	ear 2028											Fiscal Y	ear 2029)					ВА
	м			ACCEPT PRIOR	BAL		,							alendar	Year 202	28								Cale	ndar Yea	r 2029		,		L
0	F R	SERVICE	PROC QTY	TO 1 OCT 2027	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C E
	Jp Roun	ıd														1										1				
Prio	r Years	Deliveries: 321	42																											
	1 2020	0 ARMY	672	672	0																								-	
	1 2020	0 FMS ^(‡)	327	327	0																									
	1 2020	0 MC ^(‡)	123	123	0																									
	1 2020	0 NAVY (‡)	13	13	0																									
	-		391	391	0																									
			1,526	1,526	0	_	_	_	_	_	_	_	-	_	_	_	-	_		-	_	_	_	_	-	l -	_	_	_	
	1 202		763	763	0														1											
	1 202	1 FMS ^(‡)	193	193	0																									
	1 202		99	99	0																									
	1 202		3	3	0																									
			1,058	1,058	0	-	_	-	-	_	-	-	-	_	-	-	-	_	- 1	-	-	_	-	_	_	_	_	-	-	
\top	1 2022		5,614	4,588	1,026	-	-	26	-	-	340	-	-	660																
	1 2022	2 FMS (‡)	510	510	0	-	-	-	-	-	-	-	-	-																
	1 2022		1,001	580	421	-	-	421	-	-	-	-	-	-																
	1 2022		13	13	0	_	-	_	-	_	_	_	_	_	1															
	1 2022	_	7,138	5,691	1,447		-	447	-	-	340	_	-	660	-	_	-	-	- 1	-	-	_	-	_	-	_	_	-	-	
	1 2023	3 ARMY	408	204	204	-	-	-	-	-	204			-									-	-					<u> </u>	
	1 2023	3 FMS (‡)	514	514	0	-	-	-	-	-	-																			
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	1 2023	-	7	7	0	_	-	-	-	-	_																			
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+	1 2023		1,025	797	228	-	-	24		-	204	-	-	-	-	-	-	-	-	-	-	-	-	-	Ι.	_	-	-	-	
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	1 2024	-	273	0	273		-	-	-	_	-		-	-	_	-	273													
	1 2024		8	0	8	_	_	_	-	_	_	_	_	_	_	_	8													
	1 2024		106	0	106		_	_	_	_			_	_	_		106													
	2022	T OIH W	100	0	100	0	N	- D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	+-
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LI 0648CC0007 - Javelin (AAWS-M) System Summary Army

UNCLASSIFIED
Page 14 of 24

P-1 Line #13

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			

			lements in Each)								Fiscal Y	ear 2028	1										Fiscal Y	ear 2029)					В
				ACCEPT									C	Calendar	Year 202	28								Cale	ndar Yea	r 2029				Ļ
0 F C R	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J J	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	n n	O C >	S E P	N C E
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	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Exhibit P-21, Production Schedule: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 02 / 30	0648CC0007 / Javelin (AAWS-M) System Summary	H06102 / JAVELIN (AAWS-M)

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Init	ial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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
	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.

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 999,999,999 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).

^(‡) 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.

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

ID Code (A=Service Ready, B=Not Service Ready):		М	DAP/MAIS Code:			
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)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15.970	213.793	63.122	66.945	-	66.945
(The following Resource Summary rows are for information	onal purposes only. The cor	responding budget request	s are documented elsewher	re.)		
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.

	P	rior Years	;		FY 2022			FY 2023		FY	' 2024 Bas	se e	F۱	2024 OC	0	FY	' 2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost					,					,								
Recurring Cost																		
Light Weight CLU Production ^(†)	442.600	5	2.213	294.625	491	144.661	244.268	157	38.350	249.150	187	46.591	-	-	-	249.150	187	46.5
Engineering Services	-	-	1.377	-	-	1.713	-	-	1.751	-	-	1.786	-	-	-	-	-	1.7
Acceptance Testing	-	-	0.400	-	-	0.529	-	-	0.541	-	-	0.551	-	-	-	-	-	0.5
Fielding	-	-	0.173	-	-	1.059	-	-	1.082	-	-	1.104	-	-	-	-	-	1.10
Subtotal: Recurring Cost	-	-	4.163	-	-	147.962	-	-	41.724	-	-	50.032	-	-	-	-	-	50.0
Non Recurring Cost				· ·	· ·			· · ·				· · ·						
Production Line Facilitization/ Maintenance	-	-	10.932	-	-	62.617	-	-	1.126	-	-	1.035	-	-	-	-	-	1.03
BST Production Facilitization	-	-	-	-	-	0.850	-	-	3.000	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	10.932	-	-	63.467	-	-	4.126	-	-	1.035	-	-	-	-	-	1.0
Subtotal: Flyaway Cost	-	-	15.095	-	-	211.429	-	-	45.850	-	-	51.067	-	-	-	-	-	51.00
Support - Initial Spares and R	epair Parts Cos	t																
Initial Spares and Repair Parts	-	-	-	-	-	-	-	-	-	-	-	1.993	-	-	-	-	-	1.99
Subtotal: Support - Initial Spares and Repair Parts Cost	-	-	-	-	-	-	-	-	-	-	-	1.993	-	-	-	-	-	1.9

UNCLASSIFIED Page 17 of 24

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

2032A / 02 / 30

0648CC0007 / Javelin (AAWS-M) System Summary

H06103 / Javelin Lightweight Command

Launch Unit (CLU)

Date: March 2023

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

	F	Prior Years	5		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F	/ 2024 OC	0	FY	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)															
Support - Production Enginee	ring Cost																	
Production Engineering	-	-	0.875	-	-	1.088	-	-	6.071	-	-	6.193	-	-	-	-	-	6.193
Subtotal: Support - Production Engineering Cost	-	-	0.875	-	-	1.088	-	-	6.071	-	-	6.193	-	-	-	-	-	6.193
Support - Program Manageme	ent Cost																	
Government Management	-	-	-	-	-	1.276	-	-	5.301	-	-	5.407	-	-	-	-	-	5.407
Subtotal: Support - Program Management Cost	-	-	-	-	-	1.276	-	-	5.301	-	-	5.407	-	-	-	-	-	5.407
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	5.900	-	-	2.285	-	-	-	-	-	2.285
Subtotal: Support - Training Cost	-	-	-	-	-	-	-	-	5.900	-	-	2.285	-	-	-	-	-	2.285
Gross/Weapon System Cost	3,194.000	5	15.970	435.424	491	213.793	402.051	157	63.122	357.995	187	66.945	-	-	-	357.995	187	66.945

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.

Secondar	y 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
Total:	Quantity	491	157	187	-	187
Secondary Distribution	Total Obligation Authority	213.793	63.122	66.945	-	66.945

^(†) indicates the presence of a P-5a

UNCLASSIFIED Page 18 of 24

Exhibit P-5a, Procurement History and Planning: PB 2024 A	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]: H06103 / Javelin Lightweight Command Launch Unit (CLU)

	00			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
Light Weight CLU Production ^(†)		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 ^(†)		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 ^(†)		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 ^(†)		2024	JJV Lightweight CLU / Tucson AZ Orlando FL	SS / FFP	AMCOM, Redstone Arsenal AL	Jun 2024	Jun 2026	187	249.150	N		Dec 2021

^(†) 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

														UN	ICL/	ASSI	FIE)													
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	\vdash	2022	ARMY	491	0																						Α -	-	-	-	49
	\vdash	2023	ARMY	157	0	-																									157
	1	2023	FMS (‡)	176	0	176																									176
	1	2023	MC ^(‡)	50	0	50																									50
	1	2023	NAVY (‡)	17	0	17																									17
	1	2023	Total	400	0																										400
	1	2024	ARMY	187	0	-																									187
	1	2024	FMS (‡)	150	0	150																									150
	1	2024	MC ^(‡)	68	0	68																									68
	1	2024	NAVY (‡)	10	0	10																									10
	1	2024	Total	415	0	415																									415
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1	1 2	2023	ARMY	157	0	157									Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1 2	2023	FMS (‡)	176	0	176									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1 2	2023	MC ^(‡)	50	0	50									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Г
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1	1 2	2023	Total	400	0	400									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Г
	1 2	2024	ARMY	187	0	187																					Α -	-	-	-	
	1 2	2024	FMS (‡)	150	0	150																					A -	-	-	-	
	1 2	2024	MC ^(‡)	68	0	68																					A -	-	-	-	
	1 2	2024	NAVY (‡)	10	0	10																					A -	-	-	-	
	1 2	2024	Total	415	0	415																					-	-	-	-	
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S ^(‡) 150	0	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VY ^(‡) 10	0	10	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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UNCLASSIFIED
Page 22 of 24

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UNCLASSIFIED
Page 23 of 24

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]: H06103 / Javelin Lightweight Command Launch Unit (CLU)

		Produc	ction Rates (Each	/ Year)				Procurement Le	adtime (Months)			
MFR						lı	nitial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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	;	3 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 999,999,999 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).

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

2104C59300 / TOW 2 System Summary

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	176,788	889	878	850	-	850	749	780	743	708	-	182,385
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	238.047	-	-	-	-	-	-	-	-	-	-	238.047
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	238.047	-	-	-	-	-	-	-	-	-	-	238.047
Total Obligation Authority (\$ in Millions)	3,880.715	101.912	103.866	120.475	-	120.475	113.321	122.376	122.541	122.668	-	4,687.874
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	n budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

				FY 2024	FY 2024	FY 2024				
Secondar	y Distribution	FY 2022	FY 2023	Base	oco	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
Total:	Quantity	889	878	850	-	850	749	780	743	708
Secondary Distribution	Total Obligation Authority	101.912	103.866	120.475	-	120.475	113.321	122.376	122.541	122.668

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

2104C59300 / TOW 2 System Summary

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
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
P-40	Total Gross/Weapon System Cost				176,788 / 3,880.715	889 / 101.912	878 / 103.866	850 / 120.475	- 1 -	850 / 120.475

^{*}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
Page 2 of 10

Exhibit P-5, Cost Analysis: PB 2024 Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 02 / 30	Item Number / Title [DODIC]: C59403 / TOW Family of Missiles

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)	176,788	889	878	850	-	850
Gross/Weapon System Cost (\$ in Millions)	3,880.715	101.912	103.866	120.475	-	120.475
Less PY Advance Procurement (\$ in Millions)	238.047	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	3,642.668	101.912	103.866	120.475	-	120.475
Plus CY Advance Procurement (\$ in Millions)	238.047	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,880.715	101.912	103.866	120.475	-	120.475
(The following Resource Summary rows are for inform	ational purposes only. The co	responding budget request	s are documented elsewher	re.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

ID Code (A=Service Ready, B=Not Service Ready):

	P	rior Years	3		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F۱	/ 2024 OC	:0	FY 2024 Total		
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																	,	
Recurring Cost																		
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	106.23
Engineering Services	-	-	-	-	-	2.286	-	-	2.936	-	-	2.758	-	-	-	-	-	2.75
Acceptance Testing	-	-	22.141	-	-	2.218	-	-	3.215	-	-	2.584	-	-	-	-	-	2.58
Subtotal: Recurring Cost	-	-	3,776.085	-	-	94.273	-	-	93.908	-	-	111.572	-	-	-	-	-	111.57
Non Recurring Cost																	,	
Counter Active Protection System (CAPS) Obsolescence	-	-	2.375	-	-	2.401	-	-	2.874	-	-	2.798	-	-	-	-	-	2.79
Subtotal: Non Recurring Cost	-	-	2.375	-	-	2.401	-	-	2.874	-	-	2.798	-	-	-	-	-	2.79
Subtotal: Flyaway Cost	-	-	3,778.460	-	-	96.674	-	-	96.782	-	-	114.370	-	-	-	-	-	114.37
Support - Production Enginee	ring Cost																	
Production Engineering	-	-	-	-	-	3.474	-	-	4.998	-	-	4.049	-	-	-	-	-	4.04
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	3.474	-	-	4.998	-	-	4.049	-	-	-	-	-	4.04
Support - Program Manageme	ent Cost																	
Government Management	-	-	66.859	-	-	1.764	-	-	2.086	-	-	2.056	-	-	-	-	-	2.05
Subtotal: Support - Program Management Cost	-	-	66.859	-	-	1.764	-	-	2.086	-	-	2.056	-	-	-	-	-	2.05
Support - System Engineering	Cost						·									·		
System Engineering	-	-	35.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LI 2104C59300 - TOW 2 System Summary Army

UNCLASSIFIED
Page 3 of 10

P-1 Line #14

Volume 1 - 114

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

Date: March 2023

2032A / 02 / 30

2104C59300 / TOW 2 System Summary

C59403 / TOW Family of Missiles

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

	Prior Years		5	FY 2022		FY 2023		FY 2024 Base			FY 2024 OCO			FY 2024 Total				
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - System Engineering Cost	-	-	35.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	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.

	Prior Years			FY 2022		FY 2023		FY 2024 Base			FY 2024 OCO			FY 2024 Total				
Cost Element Breakout	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	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.

Secondar	y 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
Total:	Quantity	889	878	850	-	850
Secondary Distribution	Total Obligation Authority	101.912	103.866	120.475	-	120.475

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 A	Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 02 / 30	2104C59300 / TOW 2 System Summary	C59403 / TOW Family of Missiles

									-					
Cost Elements	000	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Revision	RFP Issue Date		
Missile Contract ^(†)		2021	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Mar 2021	Mar 2023	1,231	90.480	Υ		Apr 2018		
Missile Contract ^(†)		2022	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Jun 2022	Jun 2024	889	100.978	Υ		Aug 2020		
Missile Contract ^(†)		2023	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Aug 2023	Sep 2025	878	99.951	Y		Feb 2022		
Missile Contract ^(†)		2024	Raytheon / Tucson	SS / FPIF	AMCOM, Redstone Arsenal, AL	Mar 2024	Mar 2026	850	12.498	Y		Feb 2022		

^(†) 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

ΞxI	nik	oit P	² -21, Pr	oducti	on Sc	hedu	le: P	B 202	4 Arm	ny														Date	e: Mai	ch 20)23				
			ation / 2 / 30	Budge	et Acti	vity /	Bud	get S	ub Ac	ctivity			Line 04C59					Sumr	mary									[DOD		es	
				lements in Each)								Fiscal Y	ear 2021											Fiscal Y	ear 2022						E
Ι.					ACCEPT PRIOR									C	alendar	Year 20	21								Calen	dar Yeaı	2022				L
N O F C F	= ?	FY	SERVICE	PROC QTY	TO 1 OCT 2020	BAL DUE AS OF 1 OCT		N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P]
Miss	ile (Contrac	ct								·																				
Prior	Ye	ars De	liveries: 175	092																											
	1 2	2021		1,231	0	1,231						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,2
	1 2	2021	FMS (‡)	427	0	427						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<u> </u>
	1 2	2021	MC ^(‡)	448	0	448						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.
1	1 2	2021	Total	2,106	0	2,106						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,
<u>'</u>	1 2		ARMY	889	0	889																					Α -	-	-	-	
	1 2	2022	FMS (‡)	1,278	0	1,278																					A -	-	-	-	1,
	1 2	2022	MC ^(‡)	463	0	463																					Α -	-	-	-	
1	1 2		Total	2,630	0	-																					-	-	-	-	2,0
	1 2		ARMY	878	0	878																									
	1 2	2023	FMS ^(‡)	1,018	0	1,018																									1,0
-	_		Total	1,896	0	,	_																								1,8
-	+		ARMY	850	0		_																								3
_	_		FMS (‡)	600	0																										(
	1 2	2024	Total	1,450	0	1,450	_	T			_					1 .					_										1,4
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Missil	e Contra	ict														,							,						
Prior	ears D	eliveries: 1750	092																										
1	2021	ARMY	1,231	0	1,231	-	-	-	-	-	176	176	176	176	176	176	175	-	-	-	-	-	-						
1	2021	FMS (‡)	427	0	427	-	-	-	-	-	-	-	-	-	-	-	-	77	175	175	-	-	-						
1	2021	MC ^(‡)	448	0	448	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175	175	98						
1	2021	Total	2,106	0	2,106	-	-	-	-	-	176	176	176	176	176	176	175	77	175	175	175	175	98	-	-	-	-	-	-
1	2022	ARMY	889	0	889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	189	240	240	220
1	2022	FMS (‡)	1,278	0	1,278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2022	MC ^(‡)	463	0	463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2022	Total	2,630	0	2,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	189	240	240	220
1	2023	ARMY	878	0	878								,			Α -	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2023	FMS (‡)	1,018	0	1,018											A -	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2023	Total	1,896	0	1,896											-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2024	ARMY	850	0	850																		Α -	-	-	-	-	-	-
1	2024	FMS (‡)	600	0	600																		Α -	-	-	-	-	-	-
1	2024	Total	1,450	0	1,450																		-	-	-	-	-	-	-
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P-1 Line #14

LI 2104C59300 - TOW 2 System Summary

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			ements n Each)								Fiscal Y	ear 2025										F	iscal Ye	ar 2026					
				ACCEPT									С	alendar	Year 202	25								Calen	dar Year	2026			
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1	2021	FMS ^(‡)	427	427	0																								l
1	2021	MC ^(‡)	448	448	0																								
1	2021	Total	2,106	2,106	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1		ARMY	889	889	0	-	-	-	-	-	-	-	-	-															ļ
1	2022	FMS (‡)	1,278	0	1,278	215	215	215	215	215	203	-	-	-															
1	2022	MC ^(‡)	463	0	463	-	-	-	-	-	-	198	240	25															
1	2022	Total	2,630	889	1,741	215	215	215	215	215	203	198	240	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2023	ARMY	878	0	878	-	-	-	-	-	-	-	-	-	-	-	175	175	157	175	175	21	-	-					
1	2023	FMS (‡)	1,018	0	1,018	-	-	-	-	-	-	-	-	-	-	-	-	-	183	175	175	175	175	135					
1	2023	Total	1,896	0	1,896	-	-	-	-	-	-	-	-	-	-	-	175	175	340	350	350	196	175	135	-	-	-	-	-
1	2024	ARMY	850	0	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70
1	2024	FMS (‡)	600	0	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50
1	2024	Total	1,450	0	1,450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	120	120	120	120	120	120
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2022		1,278	1,278	0																									
2022	MC ^(‡)	463	463	0																									
2022	Total	2,630	2,630	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2023		878	878	0																									
2023	FMS (‡)	1,018	1,018	0																									
2023	Total	1,896	1,896	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2024	ARMY	850	490	360	70	70	74	74	72																				
2024	FMS (‡)	600	350	250	50	50	50	50	50																				
2024	Total	1,450	840	610	120	120	124	124	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	FY Contribution of the con	FY SERVICE Contract ears Deliveries: 175i 2021 ARMY 2021 FMS (‡) 2021 Total 2022 ARMY 2022 FMS (‡) 2022 MC (‡) 2023 ARMY 2023 FMS (‡) 2023 FMS (‡) 2024 ARMY	Cost Elements (Units in Each) FY SERVICE QTY Contract cears Deliveries: 175092 2021 ARMY 1,231 2021 FMS (‡) 427 2021 MC (‡) 448 2021 Total 2,106 2022 ARMY 889 2022 FMS (‡) 1,278 2022 MC (‡) 463 2022 Total 2,630 2023 ARMY 878 2023 FMS (‡) 1,018 2023 Total 1,896 2024 ARMY 850 2024 FMS (‡) 600	Cost Elements (Units in Each) FY SERVICE PROC QTY ACCEPT PRIOR TO 1 OCT 2026 Contract Earlie (March 10 of 10 oct 2026 Contract Earlie (March 10 oct 2020 ARMY 1,231 1,231 2021 FMS (‡) 427 427 2021 MC (‡) 448 448 2021 Total 2,106 2,106 2022 ARMY 889 889 2022 FMS (‡) 1,278 1,278 2022 MC (‡) 463 463 2022 Total 2,630 2,630 2023 ARMY 878 878 2023 FMS (‡) 1,018 1,018 2023 Total 1,896 1,896 2024 ARMY 850 490 2024 FMS (‡) 600 350	Cost Elements (Units in Each) PROC PRIOR TO 1 DUE OCT AS OF OCT OC	Cost Elements (Units in Each) FY SERVICE PROC QTY ACCEPT PRIOR TO 1 DUE OCT AS OF C 1 OCT T Contract cears Deliveries: 175092 2021 ARMY 1,231 1,231 0 2021 FMS (‡) 427 427 0 2021 MC (‡) 448 448 0 2022 ARMY 889 889 0 2022 FMS (‡) 1,278 1,278 0 2022 FMS (‡) 463 463 0 2022 Total 2,630 2,630 0 - 2023 ARMY 878 878 0 2023 FMS (‡) 1,018 1,018 0 2023 Total 1,896 1,896 0 - 2024 ARMY 850 490 360 70 2024 FMS (‡) 600 350 250 50 2024 Total 1,450 840 610 120	Cost Elements (Units in Each)	Cost Elements (Units in Each) ACCEPT PRIOR TO 1 DUE O O E O O E O O C O E O O O O O O O O	Cost Elements (Units in Each) PROC PRIOR TO 1 DUE O N D J AS OF C O E A AS OF 1 OCT T V C N Contract ears Deliveries: 175092 2021 ARMY 1,231 1,231 0 2021 FMS (‡) 427 427 0 2021 Total 2,106 2,106 0 2 2022 ARMY 889 889 0 2022 FMS (‡) 1,278 1,278 0 2022 FMS (‡) 1,278 1,278 0 2022 Total 2,630 2,630 0 2 2023 ARMY 878 878 0 2020 Total 1,896 1,896 0 2 2021 Total 1,896 1,896 0 2 2022 ARMY 850 490 360 70 70 74 74 74 2024 FMS (‡) 600 350 250 50 50 50 50 50 2024 Total 1,450 840 610 120 120 124 124 PROCE O E A	Cost Elements (Units in Each) SERVICE PROC QTY SERVICE PROC QTY SERVICE PROC QTY SERVICE PROC QTY SERVICE QTY SERVICE PROC QTY SERVICE QTY SERVICE PROC QTY SERVICE SERVICE PROC QTY SERVICE SERVICE	Cost Elements (Units in Each)	Cost Elements (Units in Each)	Cost Elements	Cost Elements (Units in Each)	Cost Elements (Units in Each)	Cost Elements (Units in Each) Calendar Year 2027	Cost Elements (Units in Each)	Cost Elements	Cost Elements	Cost Elements	Cost Elements	Cost Europe Cost Europe Cost Europe Europe	Contact Cont	Control Cont	Contact Cont	Control Cont	Control Final Fi	Continue	Continue

LI 2104C59300 - TOW 2 System Summary Army

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

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Init	tial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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.

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 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).

^(‡) 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.

[&]quot;A" in the Delivery Schedule indicates the Contract Award Date.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6005C64400 / Guided MLRS Rocket (GMLRS)

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: 0603778A, 0205778A

Line Item MDAP/MAIS Code: 260

ID Code (A=Service Ready, B=Not Service Ready): A

	Prior			FY 2024	FY 2024	FY 2024					То			
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total		
Procurement Quantity (Units in Each)	56,026	6,804	5,910	5,016	-	5,016	7,518	7,656	7,524	7,578	Continuing	Continuing		
Gross/Weapon System Cost (\$ in Millions) 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 (
Less PY Advance Procurement (\$ in Millions)	=	-	-	-	-	-	55.913	-	-	-	Continuing	Continuing		
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing		
Total Obligation Authority (\$ in Millions)	7,346.578	1,130.519	1,312.028	942.280	-	942.280	1,214.127	1,321.161	1,254.264	1,336.417	Continuing	Continuing		
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	g budget request	s are documente	d elsewhere.)						
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-		
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-		
Gross/Weapon System Unit Cost (\$ in Thousands)	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 in \$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.

Secondar	y 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
Total:	Quantity	6,804	5,910	5,016	-	5,016	7,518	7,656	7,524	7,578
Secondary Distribution	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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6005C64400 / Guided MLRS Rocket (GMLRS)

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: 0603778A, 0205778A

Line Item MDAP/MAIS Code: 260

ID Code (A=Service Ready, B=Not Service Ready): 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)					
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	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				56,026 / 7,346.578	6,804 / 1,130.519	5,910 / 1,312.028	5,016 / 886.367	- 1 -	5,016 / 886.367

^{*}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.

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

P-1 Line #15

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

Exhibit P-5, Cost Analysis: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

2032A / 02 / 30

6005C64400 / Guided MLRS Rocket (GMLRS)

C65404 / GUIDED MLRS ROCKET

(GMLRS)

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)	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
Total Obligation Authority (\$ in Millions)	7,342.565	1,130.030	1,312.028	942.280	-	942.280
(The following Resource Summary rows are for infort	national purposes only. The cor	rresponding budget request	s are documented elsewhe	re.)		

 Initial Spares (\$ in Millions)
 176.708

 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.

	P	rior Years	5		FY 2022			FY 2023		FY	' 2024 Bas	e	F۱	/ 2024 OC	0	FY	2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost	_																	
Tactical GMLRS Hardware ^(†)	118.006	56,026	6,611.404	148.894	6,804	1,013.075	148.358	6,882	1,021.000	-	-	-	-	-	-	-	-	-
GMLRS Rocket Summary ^(†)	-	-	-	-	-	-	-	-	-	143.396	5,016	719.274	-	-	-	143.396	5,016	719.27
Launch Pod Container- Standard Range Build to Print Pod	-	-	-	-	-	-	-	-	-	69.966	816	57.092	-	-	-	69.966	816	57.09
Launch Pod Container- Extended Range Pod	-	-	-	-	-	-	-	-	-	210.500	20	4.210	-	-	-	210.500	20	4.21
Production Support	-	-	-	-	-	-	-	-	-	-	-	43.920	-	-	-	-	-	43.92
Ind Maint/Init Prod Fac	-	-	130.143	-	-	55.905	-	-	238.000	-	-	-	-	-	-	-	-	-
Production Verification Testing	-	-	137.323	-	-	7.356	-	-	5.212	-	-	4.506	-	-	-	-	-	4.50
First Destination Transportation	-	-	7.295	-	-	0.649	-	-	0.872	-	-	0.584	-	-	-	-	-	0.58
Production Engineering Support	-	-	224.736	-	-	15.367	-	-	11.895	-	-	12.133	-	-	-	-	-	12.13
Spares	-	-	2.912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	7,113.813	-	-	1,092.352	-	-	1,276.979	-	-	841.719	-	-	-	-	-	841.71
Subtotal: Flyaway Cost	-	-	7,113.813	-		1,092.352	-		1,276.979	-		841.719	-		-	-	-	841.71

UNCLASSIFIED
Page 3 of 11

Exhibit P-5, Cost Analysis: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 02 / 30

Date: March 2023

Item Number / Title [DODIC]:
6005C64400 / Guided MLRS Rocket (GMLRS)

C65404 / GUIDED MLRS ROCKET

ID Code (A=Service Ready, B=Not Service Ready):

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

	F	rior Years	5		FY 2022			FY 2023		F`	Y 2024 Ba	se	F`	Y 2024 OC	0	F`	Y 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Software Cost																<u>'</u>		
Recurring Cost																		
Software Support	- 1	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
Subtotal: Software Cost	-	-	-	-	-	-	-	-	-	-	-	4.100	-	-	-	-	-	4.100
Support - Engineering Chang	e Proposals Co	st																
Engineering Change Proposals	-	-	124.060	-	-	32.587	-	-	30.494	-	-	35.901	-	-	-	-	-	35.90 ⁻
Subtotal: Support - Engineering Change Proposals Cost	-	-	124.060	-	-	32.587	-	-	30.494	-	-	35.901	-	-	-	-	-	35.90
Support - Program Managem	ent Cost													•				
Government Management	-	-	104.717	-	-	5.093	-	-	4.556	-	-	4.647	-	-	-	-	-	4.64
Subtotal: Support - Program Management Cost	-	-	104.717	-	-	5.093	-	-	4.556	-	-	4.647	-	-	-	-	-	4.64
Gross/Weapon System Cost	131.056	56,026	7,342.565	166.083	6,804	1,130.030	222.001	5,910	1,312.028	176.708	5,016	886.367	-	-	-	176.708	5,016	886.36

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

	P	rior Years	6		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F	Y 2024 OC	0	FY	2024 Tot	al
Cost Element Breakout	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	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	654.55°
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.

UNCLASSIFIED
Page 4 of 11

(GMLRS)

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

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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.

				FY 2024	FY 2024	FY 2024
Seconda	ry Distribution	FY 2022	FY 2023	Base	oco	Total
Army	Quantity	6,804	5,910	5,016	-	5,016
	Total Obligation Authority	1,130.030	1,312.028	942.280	-	942.280
Total:	Quantity	6,804	5,910	5,016	-	5,016
Secondary Distribution	Total Obligation Authority	1,130.030	1,312.028	942.280	-	942.280

^(†) indicates the presence of a P-5a

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

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	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 ^(†)		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 facilitized 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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	Cost Elements (Units in Thousands) ACCEPT											Fiscal Y	ear 2021											Fiscal Y	ear 2022						В
														(Calendar	Year 202	21								Caler	ndar Yea	r 2022] [
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1	20	024	ARMY	5.016	.000	5.016																									5.016
1	20	024	FMS (‡)	8.940	.000	8.940																									8.940
1	20	024	MC ^(‡)	.048	.000	.048																									.048
1	20	024	Total	14.004	.000	14.004																									14.004
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GM	LRS Ro	cket Summa	у																												
	1 202	4 ARMY		5.016	.000	5.016																		Α -	-	-	-	-	-	-	5.016
	1 202	4 FMS (‡)	8	3.940	.000	8.940																		Α -	-	-	-	-	-	-	8.940
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	Cost Elements (Units in Thousands)										Fiscal Ye	ear 2025											Fiscal Y	ear 2026					E	— В А	
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0	M F R	FY	SERVICE	PROC QTY	PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	F M A M J J E A P A U U B R R Y N L						S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J U	A S U E G P	(A N C E
GN	ILRS	Rocke	t 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	.006			.000
	1	2024	Total	14.004	.000	14.004	-	-	-	-	-	-	-	-	-	-	1.170	1.170	1.170	1.158	1.170	1.164	1.164	1.164	1.170	1.158	1.170	1.176	-	- .	.000

S E P O C T N O V D E C M A R

F E B

D E C F E B S E P

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: 6005C64400 / Guided MLRS Rocket (GMLRS)	Item Number / Title [DODIC]: C65404 / GUIDED MLRS ROCKET (GMLRS)

		Produc	ction Rates (Each	/ Year)				Procurement Lea	adtime (Months)			
MFR						Init	ial			Reo	rder	
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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 999,999,999 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).

Exhibit P-5, Cost	Analysis	: PB 20	24 Army										Į.	Date: Ma	arch 202	23		
Appropriation / B 2032A / 02 / 30	Sudget A	ctivity /	Budget	Sub Act	ivity:	I		n Numbe / Guided			SMLRS)					Title [DOI S Trainin		es
ID Code (A=Service Read	dy, B=Not Servi	ce Ready):							МІ	DAP/MAIS	Code:							
F	Resource	Summ	ary			Prior Ye	ars	FY 20	22	FY	2023	FY	2024 Bas	e F	Y 2024 C	ОСО	FY 2024	Total
Procurement Quantity (Uni	its in Each)						-		-		-			-		-		-
Gross/Weapon System Co	ost (\$ in Million	s)					4.013		0.489		-			-		-		-
Less PY Advance Procure	ement (\$ in Mil.	lions)					-		-		-			-		-		-
Net Procurement (P-1) (\$	in Millions)						4.013		0.489		-			-		-		-
Plus CY Advance Procure	ment (\$ in Mill	ions)					-		-		-			-		-		-
Total Obligation Authori	ty (\$ in Millions)					4.013		0.489		-			-		-		-
	he following F	Resource St	ummary row	s are for info	rmational	purposes only	y. The corres	sponding bud	get request	s are docume	ented elsewhe	ere.)				}		
Initial Spares (\$ in Millions)							-		-		_	1		-		-		_
Gross/Weapon System Ur	nit Cost (\$ in 7	housands)					-		-		_			-		-		_
		-			ı							-1						
Note: Subtotals or Totals i	n this Exhibit	P-5 may no	ot be exact o	r sum exactl	y due to ro	ounding.												
	P	rior Years	5		FY 2022	2		FY 2023		FY	2024 Base)	FY	2024 OC	0	FY	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
			(φ IVI)	(ΨΛ)	(Lacii)	(ψ ΙνΙ)	(φ r\)				(Lacii)	(φ ινι)	(\$14)	(Lacii)	(\$ IVI)	(97)	(Lacii)	(Φ ΙΝΙ)
	(+ : 7	, ,					. ,	(/	(,)	(, ,			'					
Flyaway Cost Recurring Cost	(+1)	, ,						(/	(,)	(,)	, ,							
Flyaway Cost	-	-	4.013	-	-	0.489	-	-	-	-	- [-	-	-	-	-	-	-
Flyaway Cost Recurring Cost GMLRS TRAINING	-	-	4.013	-	-	0.489		-			-	-	-	-	-	-	-	-
Flyaway Cost Recurring Cost GMLRS TRAINING DEVICES	-					0.489	-	-	-	-		- - -		- - -			-	-
Flyaway Cost Recurring Cost GMLRS TRAINING DEVICES Subtotal: Recurring Cost	-	-	4.013	-	-	0.489 0.489	-	-	-	-	-	-			-	-	- - -	- - -
Recurring Cost GMLRS TRAINING DEVICES Subtotal: Recurring Cost Subtotal: Flyaway Cost Gross/Weapon System	-	-	4.013 4.013 4.013	-	-	0.489 0.489 0.489	-	-	- - -	-	-	FY 2	024	-	- - - - - -	-	- FY 202	24
Flyaway Cost Recurring Cost GMLRS TRAINING DEVICES Subtotal: Recurring Cost Subtotal: Flyaway Cost Gross/Weapon System Cost	-	- - - ondary Di	4.013 4.013 4.013 stribution	-	-	0.489 0.489 0.489	-	2022			-	-	- 024 se	-	-	-	-	-24
Flyaway Cost Recurring Cost GMLRS TRAINING DEVICES Subtotal: Recurring Cost Subtotal: Flyaway Cost Gross/Weapon System Cost	-	- - - - - - - Ondary Di	4.013 4.013 4.013 stribution	-	-	0.489 0.489 0.489	-	2022	-	-	-	FY 2	024 se	-	- - - - - -		- FY 202	-24
Recurring Cost GMLRS TRAINING DEVICES Subtotal: Recurring Cost Subtotal: Flyaway Cost Gross/Weapon System	-	ondary Di	4.013 4.013 4.013 stribution	-	-	0.489 0.489 0.489	-	2022	-	-	-	FY 2	- 024 se	-	- - - - - -	-	- FY 202	-24

Exhibit P-40, Advance Procurement 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

6005C64400 / Guided MLRS Rocket (GMLRS)

P-1 Line Item Number / Title:

Program Elements for Code B Items: N/A

Other Related Program Elements: 0603778A, 0205778A

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 (\$ in Millions)	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing
Net Procurement (P-1) (\$ in Millions)	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing
Total Obligation Authority (\$ in Millions)	-	-	-	55.913	-	55.913	-	-	-	-	Continuing	Continuing

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.

Exhibit P-40, Advance Procurement 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

6005C64400 / Guided MLRS Rocket (GMLRS)

P-1 Line Item Number / Title:

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*	ID CD	MDAP/ MAIS Code	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
P-40	Total Gross/Weapon System Cost			56,026 / -	6,804 / -	5,910 / -	5,016 / 55.913	- 1 -	5,016 / 55.913

^{*}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.

UNCLASSIFIED Page 2 of 4

Exhibit P-10, Advance Procuremen	t Requirements Analys	is (page 1	- Budget Funding Justi	fication): PB 2024 Army	Date: March 2023				
Appropriation / Budget Activity / Boundary / 30 / 30	udget Sub Activity:		Item Number / Title: 400 / Guided MLRS Roo	ket (GMLRS)	P-5 Number / Title C65404 / GUIDED (GMLRS)				
First System (2024) Award Date: March 2024	First System (2024) Comp August 2025	letion Date:		Interval Between Sy Months	stems:				
GUIDED MLRS ROCKET (GMLRS	Production (Month		Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)			
Quantity			56,026	6,804	5,910		5,016		
Cost Elements	When Re	•	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)			
CFE									
IMPS Motor LL Items		-	-	-	-	3	39.740		
Guidance Set LL Items		-	-	-	-		0.008		
Payload Electronics LL Items		-	-	-	-	1	11.260		
Control Actuation System LL Items		-	-	-	-		4.905		
Total: CFE			-	-	-	5	55.913		
Total Advance Procurement/Obligation Autl	nority		-	-	-	5	55.913		

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

		FY 2024											
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost	Contract Forecast Date	2024 Qty (Each)	For FY	Total Cost Request (\$ M)						
CFE													
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						
Total: CFE							55.913						
Total Advance Procurement/Obligation Authority							55.913						

Description:

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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210602A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То		
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total	
Procurement Quantity (Units in Each)	57,171	3,648	228	366	-	366	1,434	1,530	1,512	1,482	Continuing	Continuing	
Gross/Weapon System Cost (\$ in Millions)	361.719	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	361.719	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	361.719	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452	Continuing	Continuing	
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	budget request	s are documente	d elsewhere.)					
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Seconds	ary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Seconda	ary Distribution	F 1 2022	F1 2023	Dase	000	iolai	F1 2025	F1 2020	F1 2021	F1 2020
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
Total:	Quantity	3,648	228	366	-	366	1,434	1,530	1,512	1,482
Secondary Distribution	Total Obligation Authority	29.574	4.354	10.334	-	10.334	30.171	32.375	32.419	32.452

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6060C65405 / MLRS Reduced Range Practice Rockets (RRPR)

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210602A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
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
P-40	Total Gross/Weapon System Cost				57,171 / 361.719	3,648 / 29.574	228 / 4.354	366 / 10.334	- 1 -	366 / 10.334

^{*}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.

UNCLASSIFIED
Page 2 of 5

Exhibit P-5, Cost Analysis: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 02 / 30

P-1 Line Item Number / Title:
6060C65405 / MLRS Reduced Range Practice Rockets
(RRPR)

Date: March 2023

Item Number / Title [DODIC]:
C65405 / MLRS Reduced Range
Practice Rockets (RRPR)

ID Code (A=Service Ready, B=Not Service Ready):		MI	DAP/MAIS Code:			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
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)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	361.719	29.574	4.354	10.334	-	10.334
(The following Resource Summary rows are for informati	onal purposes only. The cor	responding budget request	s are documented elsewhe	re.)		
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.

Prior Years		3		FY 2022			FY 2023		F۱	/ 2024 Bas	se	F۱	/ 2024 OC	:0	F	Y 2024 Tot	:al	
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost	'				'		'	'					'		'			
Recurring Cost																		
Reduced Range Practice Rocket (LCRRPR) ^(†)	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	4.62
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	-	-	-	-	-	1.62
Subtotal: Recurring Cost	-	-	343.338	-	-	28.931	-	-	3.698	-	-	9.665	-	-	-	-	-	9.66
Subtotal: Flyaway Cost	-	-	343.338	-	-	28.931	-	-	3.698	-	-	9.665	-	-	-	-	-	9.668
Support - Production Engineer	ing Cost							'										
Production Engineering	-	-	6.774	-	-	0.545	-	-	0.556	-	-	0.567	-	-	-	-	-	0.56
Subtotal: Support - Production Engineering Cost	-	-	6.774	-	-	0.545	-	-	0.556	-	-	0.567	-	-	-	-	-	0.567

UNCLASSIFIED

P-1 Line #17

Exhibit P-5, Cost Analysis: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 02 / 30

P-1 Line Item Number / Title:
6060C65405 / MLRS Reduced Range Practice Rockets
(RRPR)

Item Number / Title [DODIC]:
C65405 / MLRS Reduced Range
Practice Rockets (RRPR)

ID Code (A=Service Ready, B=Not Service Ready):

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

	- Countries of Totale In the Extract of State of Countries of Countrie																	
	Prior Years				FY 2022		FY 2023		F۱	/ 2024 Ba	se	FY 2024 OCO			FY 2024 Total			
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	11.607	-	-	0.098	-	-	0.100	-	-	0.102	-	-	-	-	-	0.102
Subtotal: Support - Program Management Cost	-	-	11.607	-	-	0.098	-	-	0.100	-	-	0.102	-	-	-	-	-	0.102
Gross/Weapon System Cost	6.327	57,171	361.719	8.107	3,648	29.574	19.096	228	4.354	28.235	366	10.334	-	-	-	28.235	366	10.334

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.

				FY 2024	FY 2024	FY 2024
Seco	ondary Distribution	FY 2022	FY 2023	Base	ОСО	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
Total:	Quantity	3,648	228	366	-	366
Secondary Distribution	Total Obligation Authority	29.574	4.354	10.334	=	10.334

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 02 / 30

P-1 Line Item Number / Title:
6060C65405 / MLRS Reduced Range Practice Rockets
(RRPR)

Item Number / Title [DODIC]:
C65405 / MLRS Reduced Range
Practice Rockets (RRPR)

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Date Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6200C02901 / High Mobility Artillery Rocket System (HIMARS)

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210608A, 0603778A

Line Item MDAP/MAIS Code: 367

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	421	56	23	28	-	28	26	20	20	20	-	614
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,077.992	599.849	155.705	179.230	-	179.230	170.060	131.799	131.976	132.112	-	3,578.723
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	budget requests	are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Seconda	ry 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	20
	Total Obligation Authority	599.849	148.935	179.230	-	179.230	170.060	131.799	131.976	132.112
ANG	Quantity	-	1	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.770	-	-	-	-	-	-	-
Total:	Quantity	56	23	28	-	28	26	20	20	20
Secondary Distribution	Total Obligation Authority	599.849	155.705	179.230	-	179.230	170.060	131.799	131.976	132.112

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6200C02901 / High Mobility Artillery Rocket System (HIMARS)

Assault Missile Svs

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210608A, 0603778A

Date: March 2023

Line Item MDAP/MAIS Code: 367

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
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
P-40	Total Gross/Weapon System Cost				421 / 2,077.992	56 / 599.849	23 / 155.705	28 / 179.230	- 1 -	28 / 179.230

^{*}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 Page 2 of 11

Exhibit P-5, Cost Analysis: PB 2024 Army Date: March 2023 Appropriation / Budget Activity / Budget Sub Activity: Item Number / Title [DODIC]: P-1 Line Item Number / Title: 2032A / 02 / 30 6200C02901 / High Mobility Artillery Rocket System (HIMARS) C03000 / HIMARS LAUNCHER ID Code (A=Service Ready, B=Not Service Ready): MDAP/MAIS Code: **Prior Years** FY 2022 FY 2023 FY 2024 Base **FY 2024 OCO** FY 2024 Total Resource Summary 23 Procurement Quantity (Units in Each) 421 56 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) _ Total Obligation Authority (\$ in Millions) 2.077.992 599.849 155.705 179.230 179,230 (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. **Prior Years** FY 2022 FY 2023 FY 2024 Base **FY 2024 OCO** FY 2024 Total Total Total Total Total Total Total **Unit Cost Unit Cost** Qty **Unit Cost** Qty **Unit Cost** Qty **Unit Cost** Qty **Unit Cost** Qty Qty Cost Cost Cost Cost Cost Cost Cost Elements (Each) (\$ M) (Each) (Each) (Each) (Each) (Each) (\$ M) (\$ K) (\$ K) (\$ M) (\$ K) (\$ M) (\$ K) (\$ M) (\$ K) (\$ M) (\$ K) Flyaway Cost Recurring Cost 3,163.988 4,901.857 28 Launcher^(†) 420 1,328.875 7,302.871 56 408.961 5,624.826 23 129.371 28 137.252 4,901.857 137.252 8.494.792 24 203.875 Carrier -------Production 29.300 Facilitization Subtotal: Recurring Cost 1,532.750 129.371 137.252 438.261 137.252 _ Non Recurring Cost European Deterrence Initiative Production Restart 74.400 - Obsolescence Mitigation Subtotal: Non Recurring 74.400 Cost Subtotal: Flyaway Cost 1,607.150 438.261 129.371 137.252 137.252 Hardware Cost Non Recurring Cost CFCS Obsolescence 41.998 Mitigation Spares Replacement 38.971 Subtotal: Non Recurring 80.969 Cost Subtotal: Hardware Cost 80.969 -

LI 6200C02901 - High Mobility Artillery Rocket System (H... Army

UNCLASSIFIED
Page 3 of 11

Volume 1 - 144

Exhibit P-5, Cost Analysis: 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)
C03000 / HIMARS LAUNCHER

ID Code (A=Service Ready, B=Not Service Ready):

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

	P	rior Years	;		FY 2022			FY 2023		FY	' 2024 Ba	se	FY	2024 OC	0	FY	2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost
Vehicles Cost	,		,	,												,		
Non Recurring Cost																		
National Advanced Surface to Air Missile System (NASAMS)	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Non Recurring Cost	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Vehicles Cost	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Support - Fielding Cost																		
Fielding	-	-	78.187	-	-	22.263	-	-	6.635	-	-	18.844	-	-	-	-	-	18
Subtotal: Support - Fielding Cost	-	-	78.187	-	-	22.263	-	-	6.635	-	-	18.844	-	-	-	-	•	18
Support - Operational/Site Ac	tivation Cost		,	,												,	,	
System Assembly, Installation and Checkout on Site	-	-	28.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - Operational/Site Activation Cost	-	-	28.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Support - Peculiar Support Ed	quipment Cost						·			,		<u>'</u>	·			'		
Support and Handling Equipment	-	-	41.299	-	-	10.982	-	-	3.032	-	-	3.929	-	-	-	-	-	3
Subtotal: Support - Peculiar Support Equipment Cost	-	-	41.299	-	-	10.982	-	-	3.032	-	-	3.929	-	-	-	-	-	3
Support - Production Enginee	ering Cost																	
Production Engineering	-	-	121.322	-	-	39.369	-	-	11.811	-	-	14.191	-	-	-	-	-	14
Subtotal: Support - Production Engineering Cost	-	-	121.322	-	-	39.369	-	-	11.811	-	-	14.191	-	-	-	-	-	14
Support - Program Managem	ent Cost																	
Government Management	-	-	26.849	-	-	3.303	-	-	3.369	-	-	3.436	-	-	-	-	-	3
Subtotal: Support - Program Management Cost	-	-	26.849	-	-	3.303	-	-	3.369	-	-	3.436	-	-	-	-	-	;
Support - System Engineering	g Cost																	
System Engineering	-	-	130.846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - System Engineering Cost	-	-	130.846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Support - System Test and Ev	valuation Cost																	

LI 6200C02901 - High Mobility Artillery Rocket System (H... Army

UNCLASSIFIED
Page 4 of 11

P-1 Line #18 Volume 1 - 145

Exhibit P-5, Cost Analysis: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

2032A / 02 / 30

6200C02901 / High Mobility Artillery Rocket System (HIMARS) C03000 / HIMARS LAUNCHER

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

	F	Prior Years	S		FY 2022			FY 2023		FY	′ 2024 Bas	se	F۱	/ 2024 OC	0	F	/ 2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Test and Evaluation Support	-	-	33.929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - System Test and Evaluation Cost	-	-	33.929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Training Cost							,			,								
Services	-	-	-	-	-	4.702	-	-	1.487	-	-	1.578	-	-	-	-	-	1.57
Subtotal: Support - Training Cost	-	-	-	-	-	4.702	-	-	1.487	-	-	1.578	-	-	-	-	-	1.57
Gross/Weapon System Cost	4,935.848	421	2,077.992	10,711.589	56	599.849	6,769.783	23	155.705	6,401.071	28	179.230	-	-	-	6,401.071	28	179.23

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).

Second	ary 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	-	-	-
Total:	Quantity	56	23	28	-	28
Secondary Distribution	Total Obligation Authority	599.849	155.705	179.230	-	179.230

^(†) indicates the presence of a P-5a

UNCLASSIFIED Page 5 of 11

Exhibit P-5a, Procurement History and Planning: PB 2024 A	Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 02 / 30	6200C02901 / High Mobility Artillery Rocket System (HIMARS)	C03000 / HIMARS LAUNCHER

Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
Launcher ^(†)		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 ^(†)		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 ^(†)		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 ^(†)		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 ^(†)		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

^(†) 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.

P-1 Line #18

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1	2	2021	FMS (‡)	11	0	11										Α -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
1	2		MC ^(‡)	6	0	6										Α -	_	-	-	-	-	-	-	-	-	-	_	-	-		6
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1	2	2024	ARMY	28	0	28																									28
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M F R	ation / E 2 / 30 Cost Ele (Units in	ements	t Activ	/ity /			4 Arm	<u>у</u>														Date	: Mar	ch 20)23			
F R # FY					Budg	et Su	ıb Act	tivity:			Line 00029						Rocke	et Sy:	stem	(HIMA	RS)					[DOD AUNC		
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ıncher	SERVICE	PROC QTY	TO 1 OCT 2022	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U J	J U L	A U G	S E P
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1 2019 F	FMS ^(‡)	38	9	29	-	2	4	4	4	4	4	4	3															
1 2019 N	MC ^(‡)	10	10	0	-	-	-	-	-	-	-	-	-															
1 2019 1	Total	65	36	29	-	2	4	4	4	4	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 2021 A	ARMY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-				
1 2021 F	FMS (‡)	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	3	3				
1 2021 N	MC ^(‡)	6	0	6	-	-	-	-	-	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-				
1 2021 1	Total	21	0	21	-	-	-	-	-	-	-	-	-	-	-	4	4	2	-	-	2	3	3	3	-	-	-	-
1 2022 A	ARMY	56	0	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5
1 2023 A	ARMY	23	0	23							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 2024 A	ARMY	28	0	28																			Α -	-	-	-	-	-
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Number / 00 / HIMA 2026 Calendar Year A M P A R Y	ear 2026			
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LI 6200C02901 - High Mobility Artillery Rocket System (H... Army

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Page 10 of 11

Exhibit P-21, Production Schedule: PB 2024 Army	Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:	
2032A / 02 / 30	6200C02901 / High Mobility Artillery Rocket System (HIMARS)	C03000 / HIMARS LAUNCHER	

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR					Initial			Reorder				
Ref #	Manufacturer Name - Location	MSR For 2024	1-8-5 For 2024	MAX For 2024	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.

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 999,999,999 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).

^(‡) 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.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM

P-1 Line #19

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203802A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

Zino itam indy ii /iii/ iia addi iii/ t														
	Prior			FY 2024	FY 2024	FY 2024					То			
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total		
Procurement Quantity (Units in Each)	1,575	-	-	-	-	-	-	-	-	-	Continuing	Continuing		
Gross/Weapon System Cost (\$ in Millions)	1,577.021	-	-	7.307	-	7.307	3.274	-	-	-	Continuing	Continuing		
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-		
Net Procurement (P-1) (\$ in Millions)	1,577.021	-	-	7.307	-	7.307	3.274	-	-	-	Continuing	Continuing		
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-		
Total Obligation Authority (\$ in Millions)	1,577.021	-	-	7.307	-	7.307	3.274	-	-	-	Continuing	Continuing		
(The following	Resource Sumi	mary rows are fo	or informational p	ourposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)						
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-		
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-		
Gross/Weapon System Unit Cost (\$ in Thousands)	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	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	7.307	-	7.307	3.274	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203802A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-5	C98501 / ATACMS BLK IA	P-5a			1,575 / 1,577.021	- / -	- / -	- /7.307	- / -	- / 7.307
P-40	Total Gross/Weapon System Cost				1,575 / 1,577.021	- 1 -	- 1 -	- /7.307	- 1 -	- / 7.307

^{*}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.

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

MDAP/MAIS Code:

ID Code (A=Service Ready, B=Not Service Ready) .		1,	IDAP/IVIAIS Code.			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	1,575	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,577.021	-	-	7.307	-	7.307
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,577.021	-	-	7.307	-	7.307
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,577.021	-	-	7.307	-	7.307
(The following Resource Summary rows are for informat	ional purposes only. The cor	responding budget reque	sts are documented elsewhe	ere.)		
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,001.283	-	-	-	-	-

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

ID Code (A-Service Boody, B-Net Service Boody)

	F	FY 2022			FY 2023			FY 2024 Base		se	FY 2024 OCO			FY 2024 Total				
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost	_																	
Recurring Production ^(†)	821.358	1,575	1,293.639	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	38.513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Engineering/ Mgmt	-	-	111.731	-	-	-	-	-	-	-	-	1.999	-	-	-	-	-	1.999
Systems Test and Eval	-	-	6.619	-	-	-	-	-	-	-	-	1.947	-	-	-	-	-	1.94
Transportation	-	-	1.039	-	-	-	-	-	-	-	-	0.155	-	-	-	-	-	0.15
Subtotal: Recurring Cost	-	-	1,451.541	-	-	-	-	-	-	-	-	4.101	-	-	-	-	-	4.10
Non Recurring Cost																		
Non-Recurring Production	-	-	61.359	-	-	-	-	-	-	-	-	1.264	-	-	-	-	-	1.264
Subtotal: Non Recurring Cost	-	-	61.359	-	-	-	-	-	-	-	-	1.264	-	-	-	-	-	1.26
Subtotal: Flyaway Cost	-	-	1,512.900	-	-	-	-	-	-	-	-	5.365	-	-	-	-	-	5.36
Support - Data Cost																		
Support Data Data	-	-	16.054	-	-	-	-	-	-	-	-	1.771	-	-	-	-	-	1.77
Subtotal: Support - Data Cost	-	-	16.054	-	-	-	-	-	-	-	-	1.771	-	-	-	-	-	1.77
Support - Fielding Cost																		
Fielding	-	-	0.864	-	-	-	-	-	-	-	-	0.171	-	-	-	-	-	0.17

Exhibit P-5, Cost Analysis: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

2032A / 02 / 30

6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS

C98501 / ATACMS BLK IA

SUM

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

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

	P	rior Years	;		FY 2022			FY 2023		F۱	' 2024 Bas	se	F١	/ 2024 OC	0	F	/ 2024 Tot	.al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - Fielding Cost	-	-	0.864			-	-	-	-	-	-	0.171	-	-	-	-	-	0.171
Support - Support Equipment	Cost																	
Test and Measurement Equipment	-	-	36.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Support Equipment Cost	-	-	36.164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Training Cost		,					,								,	,		
Services	-	-	11.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Training Cost	-	-	11.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	1,001.283	1,575	1,577.021	-		-	-	-	-	-	-	7.307	-	-	-	-	-	7.307

Secondar	y Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	7.307	-	7.307
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	7.307	-	7.307

^(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024	Army	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 02 / 30	6472C98510 / ARMY TACTICAL MSL SYS (ATACMS) - SYS	C98501 / ATACMS BLK IA

Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
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

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 30: Anti-Tank/

6870C88001 / LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)

Assault Missile Sys

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203802A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	849	-	-	-	-	-	-	-	-	-	-	849
Gross/Weapon System Cost (\$ in Millions)	219.287	94.118	37.937	-	-	-	-	-	-	-	-	351.342
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	219.287	94.118	37.937	-	-	-	-	-	-	-	-	351.342
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	219.287	94.118	37.937	-	-	-	-	-	-	-	-	351.342
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Ti	ne corresponding	budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	94.118	37.937	-	-	-	-	-	-	-

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.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

0962C50700 / Patriot Mods

Modifications

Program Elements for Code B Items: N/A Other Related Program Elements: 0607865A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

THE REIT HIDAY MIAID COUE. N/A													
	Prior			FY 2024	FY 2024	FY 2024					То		
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total	
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing	
(The following	Resource Sumi	mary rows are fo	or informational p	urposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)					
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	

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 material 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

 LI 0962C50700 - Patriot Mods
 UNCLASSIFIED

 Army
 Page 1 of 41
 P-1 Line #21

 Volume 1 - 159

Exhibit P-40, Budget Line Item Justification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	
2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:	0962C50700 / Patriot Mods	
Modifications		

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

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.

- 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.
- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 10. Logistics Recurring includes all aspects of Integrated Logistics Support (ILS) management, e.g., maintenance support, facilities, personnel, training, testing, and fielding.
- 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.

LI 0962C50700 - Patriot Mods

Army

UNCLASSIFIED

P-1 Line #21

Volume 1 - 160

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

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

0962C50700 / Patriot Mods

Modifications

Program Elements for Code B Items: N/A Other Related Program Elements: 0607865A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

- 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.

Secondar	ry 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
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218

LI 0962C50700 - Patriot Mods Army

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

0962C50700 / Patriot Mods

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0607865A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-3a	C50700 / Patriot Mods (Various)				- / 5,042.526	- / 287.479	- / 253.689	- / 212.247	- / -	- /212.247
P-40	Total Gross/Weapon System Cost			- / 5,042.526	- / 287.479	- / 253.689	- / 212.247	- 1 -	- / 212.247	
	Exhibits Schedule				FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit			ID	MDAP/ MAIS	Quantity / Total Cost					
Type	Title*	Subexhibits	CD	Code	(Each) I (\$ M)					
P-3a	Title* C50700 / Patriot Mods (Various)	Subexhibits	CD	Code	(Each) I (\$ M) - / 179.513	(Each) I (\$ M) - /573.119	(Each) I (\$ M) - /502.009	(Each) I (\$ M) - /208.218	(Each) I (\$ M) Continuing	(Each) I (\$ M) Continuing

^{*}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.

LI 0962C50700 - Patriot Mods Army Page 4 of 41

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

Date: March 2023

Modification Number / Title:
0962C50700 / Patriot Mods

C50700 / Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready)	Code (A=Service Ready, B=Not Service Ready):								MDAP/MAIS Code:						
	Prior			FY 2024	FY 2024	FY 2024					То				
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total			
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Obligation Authority (\$ in Millions)	5,042.526	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218	Continuing	Continuing			
(The following	Resource Sumr	nary rows are fo	or informational p	urposes only. Th	e corresponding	g budget request	s are documente	ed elsewhere.)							
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-			

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.

Seconda	ry 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
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	287.479	253.689	212.247	-	212.247	179.513	573.119	502.009	208.218

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

Date: March 2023

Modification Number / Title:
0962C50700 / Patriot Mods

C50700 / Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready):	MDAP/MAIS Code:											
Models of Systems Affected: Various		Modifi	cation Typ	e: Various			Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ A				
Procurement												,
Modification Item 1 of 28: RAM Mods												
A Kits												
Recurring												
Kit Quantity	7,116 / 755.699	116 / 17.890	136 / 21.996	115 / 17.737	- 1 -	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	- 1 -	- /4.315	- /3.387	- /4.028	- /5.353	- / 6.525	Continuing	Continuing
Training Equipment	- / 39.241	- /3.385	- /4.572	- /3.356	- 1 -	- /3.356	- /2.635	- /3.133	- /4.164	- /5.075	Continuing	Continuing
Support Equipment	- 179.722	- /8.220	- /9.648	- /8.149	- 1 -	- /8.149	- /6.398	- /7.608	- /10.112	- / 12.326	Continuing	Continuing
Fielding Support and NET	- / 139.290	- / 13.055	- / 13.321	- <i>I</i> 12.943	- 1 -	- <i>l</i> 12.943	- /10.161	- <i>I</i> 12.083	- / 16.059	- / 19.575	Continuing	Continuing
Integrated Logistics Support	- <i>I</i> 15.952	- /1.450	- /2.102	- /1.438	- 1 -	- /1.438	- /1.129	- /1.343	- <i>I</i> 1.784	- /2.175	Continuing	Continuing
Subtotal: Recurring	7,116 / 1,169.218	116 / 48.352	136 / 56.746	115 / 47.938	- / -	115 / 47.938	87 / 37.635	103 / 44.753	137 / 59.479	167 / 72.502	Continuing	Continuing
Subtotal: RAM Mods	7,116 / 1,169.218	116 / 48.352	136 / 56.746	115 / 47.938	- / -	115 / 47.938	87 / 37.635	103 / 44.753	137 / 59.479	167 / 72.502	Continuing	Continuing
Modification Item 2 of 28: Recapitalization												
A Kits												
Recurring												
Kit Quantity	18 / 287.705	1 / 14.252	1 / 10.381	1 / 11.070	- 1 -	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	- 1 -	- /0.797	- /1.200	- /1.166	- / 0.902	- / 0.920	Continuing	Continuing
Subtotal: Recurring	18 / 309.963	1 / 15.452	1 / 11.301	1 / 11.867	- / -	1 / 11.867	1 / 13.247	1 / 13.615	1 / 8.454	1 / 8.452	Continuing	Continuing
Subtotal: Recapitalization	18 / 309.963	1 / 15.452	1 / 11.301	1 / 11.867	- / -	1 / 11.867	1 / 13.247	1 / 13.615	1 / 8.454	1 / 8.452	Continuing	Continuing
Modification Item 3 of 28: PATRIOT Radar Digital Exciter (DEX)											,	
A Kits												-
Recurring												
PATRIOT Radar Digital Exciter (DEX)	- 1 -	- 1 -	- / 13.203	- / 13.251	- 1 -	- / 13.251	- / 13.397	- /26.794	- /26.760	- /27.188	Continuing	Continuing
Subtotal: Recurring	- / -	- / -	- /13.203	- /13.251	- / -	- /13.251	- /13.397	- /26.794	- /26.760	- /27.188		Continuing
Subtotal: PATRIOT Radar Digital Exciter (DEX)	- / -	- / -	- /13.203	- /13.251	- / -	- /13.251	- /13.397	- /26.794	- /26.760		Continuing	Continuing
Modification Item 4 of 28: Communications Obsolescence						1						
A Kits												_
Recurring												-
Kits	2 / 51.590	2 / 39.972	- /5.600	- /2.000	- 1 -	- /2.000	1 / 30.500	- /3.200	- /1.750	- 1 -	Continuing	Continuing
**					· · · · · · · · · · · · · · · · · · ·				00			1

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 6 of 41

Volume 1 - 164

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

Date: March 2023

Modification Number / Title:

C50700 / Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

Models of Systems Affected: Various		Modifi	cation Typ	e: Various			Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) Total Cost (\$										
Subtotal: Recurring	2 / 51.590	2/39.972	- /5.600	- /2.000	- / -	- /2.000	1 / 30.500	- /3.200	- /1.750	- / -	Continuing	Continuing
Subtotal: Communications Obsolescence	2 / 51.590	2/39.972	- /5.600	- /2.000	- / -	- /2.000	1 / 30.500	- /3.200	- /1.750	- / -	Continuing	Continuing
Modification Item 5 of 28: ADI TPX 57 Obsolescence												,
A Kits												
Non-Recurring												
ADI TPX	- 1 -	- 1 -	- /2.000	- /2.153	- 1 -	- /2.153	- /9.000	- / 10.000	- /2.500	- /2.500	- 1 -	- / 28.1
Subtotal: Non-Recurring	- / -	- / -	- /2.000	- /2.153	- / -	- /2.153	- /9.000	- /10.000	- /2.500	- /2.500	- / -	- /28.1
Subtotal: ADI TPX 57 Obsolescence	- / -	- / -	- /2.000	- /2.153	- / -	- /2.153	- /9.000	- /10.000	- /2.500	- /2.500	- / -	- /28.1
Modification Item 6 of 28: Dismounted Information Coordination Central		,				,						
B Kits												
Non-Recurring												
Dismounted Information Coordination Cent	3 / 30.346	- 1 -	5 / 24.728	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	8 / 55.0
Subtotal: Non-Recurring	3 / 30.346	- / -	5 / 24.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 55.0
Subtotal: Dismounted Information Coordination Central	3 / 30.346	- / -	5 / 24.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 55.0
Modification Item 7 of 28: BCP/TCS/CSM												
A Kits												
Recurring												
Engineering Change Orders	- /5.925	- /0.770	- / 0.590	- / 0.590	- 1 -	- / 0.590	- / 0.810	- / 0.832	- / 0.830	- / 0.830	Continuing	Continuing
Fielding Support	- /8.879	- / 0.980	- / 0.534	- / 0.534	- 1 -	- / 0.534	- / 0.980	- / 0.735	- / 0.637	- / 0.650	Continuing	Continuing
Obsolescence/Tech Refresh	- /2.133	- / 0.480	- / 0.164	- / 0.160	- 1 -	- / 0.160	- / 0.500	- / 0.210	- / 0.200	- /0.200	Continuing	Continuing
Software/Systems Engineering	- / 33.600	- /0.980	- / 0.434	- / 0.430	- 1 -	- / 0.430	- 10.987	- / 0.680	- / 0.637	- / 0.624	Continuing	Continuing
Integrated Logistics Support	- / 62.160	- 13.573	- /1.728	- /1.306	- 1 -	- / 1.306	- /3.373	- /3.793	- /2.246	- /2.246	Continuing	Continuing
Subtotal: Recurring	- /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	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- / -	62 / 29.4
Subtotal: Non-Recurring	62 / 29.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 29.4
Subtotal: BCP/TCS/CSM	62 / 142.132	- /6.783	- /3.450	- /3.020	- / -	- /3.020	- /6.650	- /6.250	- /4.550	- /4.550	Continuing	Continuing
Modification Item 8 of 28: Tactical Planner Workstation Augmentation Support												
B Kits												
Non-Recurring												

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

C50700 / Patriot Mods

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

ID Code (A=Service Ready, B=Not Service Ready):		MDAP/MAIS Code:												
Models of Systems Affected: Various		Modifi	cation Typ	e: Various			Re	lated RDT	&E PEs:					
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ N												
TPW Augmentation Spt	- 1 -	- / -	- /0.200	- /0.200	- 1 -	- /0.200	- / 0.190	- / 0.150	- / 0.130	- / 0.130	Continuing	Continuing		
Subtotal: Non-Recurring	- / -	- / -	- /0.200	- /0.200	- / -	- /0.200	- /0.190	- /0.150	- /0.130	- /0.130	Continuing	Continuing		
Subtotal: Tactical Planner Workstation Augmentation Support	- / -	- / -	- /0.200	- /0.200	- / -	- /0.200	- /0.190	- /0.150	- /0.130	- /0.130	Continuing	Continuing		
Modification Item 9 of 28: International Engineering Services Program (IESP)												,		
A Kits														
Recurring														
International Engineering Services Prog	- / 59.000	- / 59.532	- /41.800	- /41.510	- 1 -	- /41.510	- /41.904	- 142.733	- /45.505	- /45.505	Continuing	Continuing		
Subtotal: Recurring	- /59.000	- /59.532	- /41.800	- /41.510	- / -	- /41.510	- /41.904	- /42.733	- /45.505	- /45.505	Continuing	Continuing		
Subtotal: International Engineering Services Program (IESP)	- /59.000	- /59.532	- /41.800	- /41.510	- / -	- /41.510	- /41.904	- /42.733	- /45.505	- /45.505	Continuing	Continuing		
Modification Item 10 of 28: Logistics Recurring												,		
A Kits														
Recurring														
Logistics Support	- / 27.091	- / 25.182	- / 19.651	- <i>l</i> 19.464	- 1 -	- / 19.464	- <i>l</i> 19.690	- <i>1</i> 20.655	- / 17.901	- / 17.901	Continuing	Continuing		
Subtotal: Recurring	- /27.091	- /25.182	- /19.651	- /19.464	- / -	- /19.464	- /19.690	- /20.655	- /17.901	- /17.901	Continuing	Continuing		
Subtotal: Logistics Recurring	- /27.091	- /25.182	- /19.651	- /19.464	- / -	- /19.464	- /19.690	- /20.655	- /17.901	- /17.901	Continuing	Continuing		
Modification Item 11 of 28: Report Rocket Classification												,		
A Kits														
Non-Recurring														
Kits	- / 10.011	- /4.922	- /3.352	- /1.000	- 1 -	- /1.000	- /1.000	- /4.500	- /7.900	- /8.190	Continuing	Continuing		
Subtotal: Non-Recurring	- /10.011	- /4.922	- /3.352	- /1.000	- / -	- /1.000	- /1.000	- /4.500	- /7.900	- /8.190	Continuing	Continuing		
Subtotal: Report Rocket Classification	- /10.011	- /4.922	- /3.352	- /1.000	- / -	- /1.000	- /1.000	- /4.500	- /7.900	- /8.190	Continuing	Continuing		
Modification Item 12 of 28: PATRIOT Maintenance Trainer (PMT)														
A Kits														
Recurring														
Kit Quantity	7 / 107.441	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	7 / 107.44		
Subtotal: Recurring	7 / 107.441	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 107.44		
Non-Recurring														
Training Support	- /4.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /4.00		

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 8 of 41

P-1 Line #21 Volume 1 - 166

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

Date: March 2023

Modification Number / Title:
0962C50700 / Patriot Mods

C50700 / Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready): MDAP/MAIS Code: Related RDT&E PEs: Models of Systems Affected: Various **Modification Type:** Various FY 2024 FY 2024 FY 2024 То **Prior Years** FY 2022 FY 2023 OCO FY 2025 FY 2026 FY 2027 **FY 2028** Base Total Complete Total Qtv (Each) I **Financial Plan** Total Cost (\$ M) Total Cost (\$ M) Total Cost (\$ M) | Total Cost (\$ M) | Total Cost (\$ M) | Total Cost (\$ M) - /4.000 - / -- / -- / -- / -- / -- / -- / -- / -- /4.000 Subtotal: Non-Recurring - / -Subtotal: PATRIOT Maintenance Trainer (PMT) 7 / 111.441 - / -- / -- / -- / -- / -- / -- / -7 / 111.441 Modification Item 13 of 28: PATRIOT Multi-Echelon Training (PMET) A Kits Recurring Kit Quantity 28 / 40.180 1/3.974 1 / 2.958 - /1.018 - 1 -- /1.018 - 1 -- 1 -- 1 -- 1 -- 1 -30 / 48.130 - / -1/2.958 - /1.018 - / -28 / 40.180 1/3.974 - / -- /1.018 - / -- / -30 / 48.130 Subtotal: Recurring - / -1 / 2.958 - / -30 / 48.130 Subtotal: PATRIOT Multi-Echelon Training (PMET) 28 / 40.180 1/3.974 - /1.018 - / -- /1.018 - / -- / -- / -- / -Modification Item 14 of 28: SNAP/TROPO A Kits Recurring - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -Kit Quantity SNAP 6 / 0.830 - 1 -- 1 -- 1 -- 1 -6 / 0.830 Support - /8.041 - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- / -- 1 -- / -- 1 -- /8.041 Integrated Logistics Support - /3.993 - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- /3 993 Training - / 0.175 - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- / 0.175 Equipment - / 0.859 - 1 -- 1 -- 1 -- 1 -- 1 -- / -- 1 -- 1 -- / -- 1 -- / 0.859 - / -Subtotal: Recurring 6 / 13.898 - / -- / -- / -- / -- / -- / -6 / 13.898 Non-Recurring Kit Quantity TROPO 26 / 12.884 - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -26 / 12.884 Subtotal: Non-Recurring 26 / 12.884 - / -- / -- / -- / -- / -- / -- / -- / -- / -- / -26 / 12.884 Subtotal: SNAP/TROPO 32 / 26.782 - / -- / -- / -- / -- / -- / -- / -- / -- / -- / -32 / 26.782 Modification Item 15 of 28: Enhanced Launcher Electronics System (ELES) A Kits Recurring Kit Quantity 375 / 613.113 - 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -- 1 -375 / 613.113 - / -- / -- / -- / -- / -- / -- / -Subtotal: Recurring 375 / 613.113 - / -- / -- / -375 / 613.113 Subtotal: Enhanced Launcher Electronics System 375 / 613.113 - / -- / -- / -- / -- / -- / -- / -- / -- / -- / -375 / 613.113 (ELES) Modification Item 16 of 28: Digital Sidelobe Canceller (DSLC) A Kits

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 9 of 41

Volume 1 - 167

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

C50700 / Patriot Mods

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

D Gode (A=Service Ready, B=Not Service Ready):	Modification Type: Various Related RDT&E PEs:												
Models of Systems Affected: Various		Modif	ication Typ	oe: Various	S		Re	lated RDT	&E PEs:				
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) Total Cost (\$	
Recurring													
Kit Quantity	81 / 180.382	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	81 / 180.3	
Subtotal: Recurring	81 / 180.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 180.3	
Subtotal: Digital Sidelobe Canceller (DSLC)	81 / 180.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 180.3	
Modification Item 17 of 28: Command Obsolescence Alleviation													
A Kits													
Recurring													
Command Obsolescnece Alleviation	- /8.989	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /8.9	
Subtotal: Recurring	- /8.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /8.9	
Subtotal: Command Obsolescence Alleviation	- /8.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /8.9	
Modification Item 18 of 28: MAP/RDP Encryption Compliance							•						
A Kits													
Non-Recurring													
Certification	- /23.995	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /23.9	
Subtotal: Non-Recurring	- /23.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /23.9	
Subtotal: MAP/RDP Encryption Compliance	- /23.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /23.9	
Modification Item 19 of 28: IFF Antenna Redesign													
A Kits													
Non-Recurring													
Kits	27 / 12.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	27 <i>l</i> 12.0	
Subtotal: Non-Recurring	27 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 12.0	
Subtotal: IFF Antenna Redesign	27 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 12.0	
Modification Item 20 of 28: Combined Crypto Modification Phase I (CCMPI)					1		1				1		
A Kits						_							
Recurring													
Kit Quantity	150 / 48.970	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	150 / 48.9	
Kit Quantity (GFE)	- /1.072	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /1.0	
Subtotal: Recurring	150 / 50.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 50.0	
Non-Recurring													

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 10 of 41

Volume 1 - 168

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

Date: March 2023

Modification Number / Title:

C50700 / Patriot Mods

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

Models of Systems Affected: Various		Modifi	cation Typ	oe: Various	i		Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ I										
Training	- / 0.396	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.39
Subtotal: Non-Recurring	- /0.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /0.39
Subtotal: Combined Crypto Modification Phase I (CCMPI)	150 / 50.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 50.4
Modification Item 21 of 28: Radar Digital Processor - Configuration (RDP-C)				,							,	,
A Kits												
Recurring												
Kit Quantity	80 / 240.766	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	80 / 240.76
Fielding	- /14.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /14.00
Support Equipment	- /36.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- 1 -	- / -	- / -	- / 36.94
Subtotal: Recurring	80 / 291.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 291.7
Subtotal: Radar Digital Processor - Configuration (RDP-C)	80 / 291.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 291.7
Modification Item 22 of 28: Air Defense Artillery School Upgrades/ TADSS												
A Kits												
Recurring												
Radar Kit Quantity	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- 1 -	- / -	- / -	4 / 96.00
Subtotal: Recurring	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 96.00
Subtotal: Air Defense Artillery School Upgrades/ TADSS	4 / 96.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 96.00
Modification Item 23 of 28: Modern Manstation (MMS)												
A Kits												
Recurring												
Fielding	- 17.825	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 17.82
Support Equipment	- / 56.567	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 56.56
Subtotal: Recurring	- /64.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /64.39
Non-Recurring												•
Kit Quantity	82 / 55.842	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	82 / 55.84
Subtotal: Non-Recurring	82 / 55.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 55.84
Subtotal: Modern Manstation (MMS)	82 / 120.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 120.23
Modification Item 24 of 28: Reconfigurable Table Top Trainers (RT3)				1								J

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 11 of 41

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

C50700 / Patriot Mods

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

ID Code (A=Service Ready, B=Not Service Ready):					MD	AP/MAIS Co	ode:					
Models of Systems Affected: Various		Modifi	cation Typ	e: Various	;		Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ I										
A Kits												
Recurring												
Kit Quantity	489 / 31.338	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	489 / 31.3
Subtotal: Recurring	489 / 31.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	489 / 31.3
Subtotal: Reconfigurable Table Top Trainers (RT3)	489 / 31.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	489 / 31.3
Modification Item 25 of 28: Assured PNT												
A Kits												
Recurring												
Hardware Integration	798 / 3.000	- 1 -	- / 0.400	- 1 -	- 1 -	- 1 -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- 1 -	9,947 / 40.0
Subtotal: Recurring	798 / 3.000	- / -	- /0.400	- / -	- / -	- / -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- / -	9,947 / 40.0
Subtotal: Assured PNT	798 / 3.000	- / -	- /0.400	- / -	- / -	- / -	1,250 / 5.000	1,712 / 6.850	1,187 / 4.750	5,000 / 20.000	- / -	9,947 / 40.0
Modification Item 26 of 28: Test Detachment			1	1	1	'		'				J
A Kits												
Recurring												
Equipment	1 / 56.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	1 / 56.0
Subtotal: Recurring	1 / 56.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 56.0
Subtotal: Test Detachment	1 / 56.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 56.0
Modification Item 27 of 28: Launcher Hardware						'						
A Kits												•
Recurring												
Launcher Hardware	- 1 -	- / 82.010	6 / 67.000	6 / 67.526	- 1 -	6 / 67.526	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	12 / 216.5
Subtotal: Recurring	- / -	- /82.010	6 / 67.000	6 / 67.526	- / -	6 / 67.526	- / -	- / -	- / -	- / -	- / -	12 / 216.5
Subtotal: Launcher Hardware	- / -	- /82.010	6 / 67.000	6 / 67.526	- / -	6 / 67.526	- / -	- / -	- / -	- / -	- / -	12 / 216.5
Modification Item 28 of 28: Additional Battalion of Warfighting Capability			,									,
A Kits												
Recurring												
Additional Battalion	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 392.319	- / 321.030	- 1 -	- 1 -	- /713.3
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /392.319	- /321.030	- / -	- / -	- /713.3
Subtotal: Additional Battalion of Warfighting Capability	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /392.319	- /321.030	- / -	- / -	- /713.3
Subtotal: Procurement, All Modification Items	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

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED
Page 12 of 41

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

P-1 Line Item Number / Title:
0962C50700 / Patriot Mods

Date: March 2023

Modification Number / Title:
0962C50700 / Patriot Mods

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

Models of Systems Affected: Various		Modifi	ication Typ	oe: Various	i		R	elated RDT	Related RDT&E PEs:					
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ N	Qty (Each) I Total Cost (\$ M)											
Installation	-													
Modification Item 1 of 28: RAM Mods	6,849 / 151.613	135 / -	130 / -	791 -	- 1 -	791 -	921 -	106 / -	130 / -	166 / -	Continuing	Continuing		
Modification Item 2 of 28: Recapitalization	17 / 231.430	1 / 1.300	1 / 1.300	1 / 1.300	- 1 -	1 / 1.300	1 / 1.30	0 1 / 1.300	1 / 1.300	1 / 1.300	Continuing	Continuing		
Modification Item 7 of 28: BCP/TCS/CSM	79 / 1,192.582	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing		
Modification Item 20 of 28: Combined Crypto Modification Phase I (CCMPI)	150 / 1.950	- / -	- 1 -	- / -	- / -	- / -	- 1 -	- 1 -	- / -	- / -	- / -	150 / 1.950		
Subtotal: Installation	7,095 / 1,577.575	136 / 1.300	131 / 1.300	80 / 1.300	- / -	80 / 1.300	93 / 1.30	0 107 / 1.300	131 / 1.300	167 / 1.300	Continuing	Continuing		
Total														
Total Cost (Procurement + Support + Installation)	5,042.526	287.479	253.689	212.247	-	212.247	179.51	3 573.119	502.009	208.218	Continuing	Continuing		

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:

0962C50700 / Patriot Mods

Date: March 2023

Modification Number / Title:

C50700 / Patriot Mods

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

Modification Item 1 of 28: RAM Mods

Manufacturer Information

manaraotaror miorinat												
Manufacturer Name: Ra	ytheon			Manufacturer Location: Ar	ndover, 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)

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Installation Cost	Qty (Each) I Total Cost (\$ M)											
Prior Years	6,849 / 151.613	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing
FY 2022	- 1 -	76 / 0.000	- 1 -	29 / 0.000	- 1 -	29 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	105 / 0.000
FY 2023	- 1 -	59 / 0.000	59 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	118 / 0.000
FY 2024	- 1 -	- 1 -	71 / 0.000	50 / 0.000	- 1 -	50 / 0.000	49 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	170 / 0.000
FY 2025	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	43 / 0.000	43 / 0.000	- 1 -	- 1 -	- 1 -	86 / 0.000
FY 2026	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	63 / 0.000	62 / 0.000	- 1 -	- 1 -	125 / 0.000
FY 2027	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	68 / 0.000	67 / 0.000	70 / 0.000	205 / 0.000
FY 2028	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	99 / 0.000	- 1 -	99 / 0.000
To Complete	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	6,535 / 0.000	6,535 / 0.000
Total	6,849 / 151.613	135 / 0.000	130 / 0.000	79 / 0.000	- 1 -	79 / 0.000	92 / 0.000	106 / 0.000	130 / 0.000	166 / 0.000	Continuing	Continuing

Installation Schedule

		_	FY 2	2022			FY 2	2023		-	FY 2	024			FY 2	025			FY 2	026			FY 2	2027			FY 2	028			
	PYS	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	тс	Tot
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

LI 0962C50700 - Patriot Mods Army **UNCLASSIFIED**

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

ID Code (A=Service Ready, B=Not Service Ready):

MDAP/MAIS Code:

Modification Item 2 of 28: Recapitalization

Manufacturer	Information

Manufacturer Information	on											
Manufacturer Name: Vari	ious			Manufacturer Location: Va	arious							
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)

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

Installation Schedule

			FY 2	2022	-		FY 2	2023			FY 2	2024	-		FY 2	2025			FY	2026	-		FY 2	2027			FY 2	028			
	PYS	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot												
In	18	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	9	34
Out	17	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	10	34

LI 0962C50700 - Patriot Mods Army

UNCLASSIFIED Page 15 of 41

P-1 Line #21

Volume 1 - 173

			UNCL	.ASSIFIED			
Exhibit P-3a, Individ	ual Modification: P	B 2024 Army				Date: March 2023	
Appropriation / Bud 2032A / 03 / 10	get Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pat			Modification Number C50700 / Patriot Mod	
ID Code (A=Service Ready, B=	-Not Service Ready):		'	MDAP/MAIS Co	ode:		
Modification Item 3 of 28.	: PATRIOT Radar Digital	Exciter (DEX)		_			
Manufacturer Information	1						
Manufacturer Name: TBD				Manufacturer Location: TB	BD		
Administrative Leadtime (ir	n Months):			Production Leadtime (in M	lonths):		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementatio	n (Organic): Organic				Installation C	uantity: 0	

Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023				
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa				Modification Number / Title: C50700 / Patriot Mods			
ID Code (A=Service Ready,	B=Not Service Ready):			MDAP/MAIS C	ode:	•				
Modification Item 4 of 2	28: Communications Obsole	scence								
Manufacturer Informati	ion									
Manufacturer Name: Ray	ytheon			Manufacturer Location: A	ndover, MA					
Administrative Leadtime	(in Months): 3			Production Leadtime (in N	Months): 5					
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028			
Contract Dates	Jan 2022	Jan 2023		Jan 2025						
Delivery Dates	Jun 2022	Jun 2023		Jun 2025						
						,				
Installation Information	1									
Method of Implementat	tion (Organic): TBD				Installation	Quantity: 0				

			UNCL	_ASSIFIED			
xhibit P-3a, Indiv	vidual Modification: F	PB 2024 Army				Date: March 2023	
Appropriation / Bu 032A / 03 / 10	udget Activity / Budg	jet Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod	
Code (A=Service Ready	, B=Not Service Ready):			MDAP/MAIS Co	ode:	•	
lodification Item 5 of	28: ADI TPX 57 Obsolesce	nce					
anufacturer Informat	tion						
anufacturer Name: TB	BD			Manufacturer Location: TB	BD		
dministrative Leadtime	e (in Months):			Production Leadtime (in M	fonths):		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
ontract Dates							
elivery Dates							
stallation Informatio	n						
ethod of Implementa	ition (Organic): TBD				Installation (Quantity: 0	

			UNCI	_ASSIFIED			
xhibit P-3a, Indivi	dual Modification: Pl	3 2024 Army				Date: March 2023	
appropriation / Bud 032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod	
Code (A=Service Ready, E	B=Not Service Ready):			MDAP/MAIS Co	ode:	,	
odification Item 6 of 2	8: Dismounted Information	Coordination Central					
anufacturer Informatio	on						
anufacturer Name: N/A				Manufacturer Location: N/	/A		
dministrative Leadtime (in Months):			Production Leadtime (in N	Months):		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
ontract Dates							
elivery Dates							
stallation Information							
Allou of implementati	on (Organic): Engineering	Services (included in a	ilit cost)		Installation (auannity. ∪	

UNCLASSIFIED
Page 19 of 41

Exhibit P-3a, Indivi	idual Modification: P	B 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Numb C50700 / Patriot Mo	
ID Code (A=Service Ready,	B=Not Service Ready):		·	MDAP/MAIS C	Code:	·	
Modification Item 7 of 2	28: BCP/TCS/CSM						
Manufacturer Informati	on						
Manufacturer Name: Var	ious			Manufacturer Location: V	/arious		
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)

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Installation Cost	Qty (Each) I Total Cost (\$ M)											
Prior Years	79 / 1,192.582	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing
FY 2022	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2023	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2024	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2025	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2026	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2027	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2028	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
To Complete	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
Total	79 / 1,192.582	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing

Installation Schedule

			FY 2	2022			FY 2	2023			FY 2	2024			FY 2	2025			FY 2	2026			FY 2	2027			FY 2	028			
	PYS	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot																				
In	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79
Out	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED

P-1 Line #21 Volume 1 - 178

xhibit P-3a, Indivi	dual Modification: PE	3 2024 Army				Date: March 2023	
	dget Activity / Budge	<u> </u>	P-1 Line Item Num 0962C50700 / Patri			Modification Number C50700 / Patriot Mod	
Code (A=Service Ready,	B=Not Service Ready):			MDAP/MAIS Co	ode:		
odification Item 8 of 2	?8: Tactical Planner Worksta	tion Augmentation Sup	port				
anufacturer Informati	on						
anufacturer Name: TBI)			Manufacturer Location: Va	arious		
dministrative Leadtime	(in Months):			Production Leadtime (in M	fonths):		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
ontract Dates		Oct 2022	Oct 2023	Oct 2024	Oct 2025		
elivery Dates		Oct 2022	Oct 2023	Oct 2024	Oct 2025		
ethod of implementat	ion (Organic): Various				Installation (quantity. 0	
ethod of implementat	ion (Organic): Various				installation	quantity. 0	
etnoa or impiementat	ion (Organic): Various				IIIStaliation	tuanity. ∪	
etnod of implementat	ion (Organic): Various				installation	tuaniity. ∪	
etnod of implementat	ion (Organic): Various				Installation	tuanity. ∪	
etnod of implementat	ion (Organic): Various				installation	tuanity. ∪	
etnod of implementat	ion (Organic): Various				Installation	tuaniity. ∪	
etnod or implementat	ion (Organic): Various				Installation	tuaniity. ∪	
etnod of implementat	ion (Organic): Various				Installation	tuanity. ∪	
etnod of implementat	ion (Organic): Various				IIIStallation	tuaniity. ∪	
etnod of implementat	ion (Organic): Various				IIIStallation	tuaniity. ∪	
etnod of implementat	ion (Organic): Various				IIIStallation	tuaniity. ∪	

UNCLASSIFIED
Page 21 of 41

P-1 Line #21 Volume 1 - 179

ual Modification: P get Activity / Budge Not Service Ready): International Engineering Note Months): FY 2022 In (Organic): Various	<u>*</u>	P-1 Line Item Nu 0962C50700 / Pa		rious	Date: March 2023 Modification Number C50700 / Patriot Modern Mod	
-Not Service Ready) : International Engineering Note Months): FY 2022	g Services Program (IESP)	0962C50700 / Pa	MDAP/MAIS Co Manufacturer Location: Va Production Leadtime (in M	rious onths): FY 2026	C50700 / Patriot Mod	ls
r International Engineering n ple n Months): FY 2022			Manufacturer Location: Va	rious onths): FY 2026		FY 2028
ole n Months): FY 2022			Production Leadtime (in M	onths): FY 2026		FY 2028
ole n Months): FY 2022	FY 2023	FY 2024	Production Leadtime (in M	onths): FY 2026		FY 2028
n Months): FY 2022	FY 2023	FY 2024	Production Leadtime (in M	onths): FY 2026		FY 2028
FY 2022	FY 2023	FY 2024		FY 2026		FY 2028
	FY 2023	FY 2024	FY 2025			FY 2028
n (Organic): Various				Installation Qua	antity: 0	
n (Organic): Various				Installation Qua	antity: 0	
n (Organic): Various				Installation Qua	antity: 0	
n (Organic): Various				Installation Qua	antity: 0	
,					•	

LI 0962C50700 - Patriot Mods Army

			UNCI	_ASSIFIED			
Exhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023	
Appropriation / Bud 2032A / 03 / 10	lget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod	
D Code (A=Service Ready, E	B=Not Service Ready):		·	MDAP/MAIS C	ode:	•	
Modification Item 10 of 2	28: Logistics Recurring			<u> </u>			
lanufacturer Information	on						
/lanufacturer Name: Logi	stics			Manufacturer Location: H	untsville, AL		
dministrative Leadtime (in Months):			Production Leadtime (in N	Months):		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
nstallation Information lethod of Implementation					Installation Q		

Appropriation / Budget Active 2032A / 03 / 10 ID Code (A=Service Ready, B=Not Service Ready) Modification Item 11 of 28: Report Ready	eady):	P-1 Line Item Nu 0962C50700 / Pa		ıde:	Modification Number C50700 / Patriot Mod				
Modification Item 11 of 28: Report R			MDAP/MAIS Co	de:					
·	ocket Classification								
Manufacturer Information			<u> </u>						
Manufacturer information									
Manufacturer Name: Raytheon			Manufacturer Location: An	dover, MA					
Administrative Leadtime (in Months):	4		Production Leadtime (in Months): 5						
Dates FY	' 2022 FY 20	023 FY 2024	FY 2025	FY 2026	FY 2027	FY 2028			
Contract Dates Jar	n 2022 Jan 20	023 Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028			
Delivery Dates Jur	n 2022 Jun 20	023 Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028			
Installation Information									
Method of Implementation (Organic	:): PM Fielding Team (Include	d in Fielding cost)		Installation C	Quantity: 0				

Volume 1 - 182

Exhibit P-3a, Individ	dual Modification: Pl	3 2024 Army				Date: March 2023				
Appropriation / Buo 2032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod				
ID Code (A=Service Ready, E	B=Not Service Ready):		·	MDAP/MAIS Co	ode:	·				
Modification Item 12 of	28: PATRIOT Maintenance	Trainer (PMT)								
Manufacturer Information	on									
Manufacturer Name: Ray	theon			Manufacturer Location: Te	wksbury, MA					
Administrative Leadtime (in Months): 4			Production Leadtime (in Months): 4						
Dates	FY 2022	FY 2023	FY 2024	FY 2025 FY 2026 FY 2027						
Contract Dates		Feb 2023	Feb 2024	Feb 2025						
Delivery Dates		Jun 2023	Jun 2024	Jun 2025						
Installation Information										
NA-41	on (Organic): PM Office, C	Contractor Team			Installation (Quantity: 0				

			UNCL	.ASSIFIED			
Exhibit P-3a, Indivi	dual Modification: PE	3 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 0962C50700 / Pat			Modification Numb	
ID Code (A=Service Ready,	B=Not Service Ready):		1	MDAP/MAIS Co	ode:	1	
Modification Item 13 of	28: PATRIOT Multi-Echelon	Training (PMET)					
Manufacturer Informati	on						
Manufacturer Name: Ray	rtheon			Manufacturer Location: Te	ewksbury, MA		
Administrative Leadtime	(in Months): 4			Production Leadtime (in N	Months): 4		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Feb 2022	Feb 2023	Feb 2024				
Delivery Dates	May 2022	May 2023	May 2024				
Installation Information							
Method of Implementat	ion (Organic): PM Office, C	ontractor Team (Includ	ed in unit cost)		Installation Q	uantity: 0	

Evhihit D_3a Individ							
Exilibit F-3a, illulvit	dual Modification: P	B 2024 Army				Date: March 2023	
Appropriation / Bud 2032A / 03 / 10	lget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod	
D Code (A=Service Ready, B	B=Not Service Ready):			MDAP/MAIS Co	ode:		
Modification Item 14 of 2	28: SNAP/TROPO						
lanufacturer Informatio	on						
lanufacturer Name: Tele	Communication Systems (TCS)		Manufacturer Location: Ta	ampa, FL		
dministrative Leadtime (i	in Months): 1			Production Leadtime (in M	fonths): 9		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
elivery Dates							
nstallation Information							
	on (Organic): Depot, PM,				Installation Q		

			UNCL	.ASSIFIED			
xhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023	
	dget Activity / Budge		P-1 Line Item Nu 0962C50700 / Pat			Modification Number C50700 / Patriot Mod	
Code (A=Service Ready,	B=Not Service Ready):		<u>'</u>	MDAP/MAIS Co	ode:		
odification Item 15 of	28: Enhanced Launcher El	ectronics System (ELES	S)				
anufacturer Information	on						
anufacturer Name: Vari	ous			Manufacturer Location: Va	arious		
dministrative Leadtime	(in Months): 3			Production Leadtime (in M	fonths): 18		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
ontract Dates							
elivery Dates							

UNCLASSIFIED Page 28 of 41

			UNCL	_ASSIFIED			
xhibit P-3a, Individ	dual Modification: P	PB 2024 Army				Date: March 2023	
opropriation / Bud 32A / 03 / 10	Iget Activity / Budg	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod	
Code (A=Service Ready, B	=Not Service Ready):			MDAP/MAIS Co	ode:	,	
dification Item 16 of 2	28: Digital Sidelobe Cance	eller (DSLC)					
nufacturer Informatio	n						
nufacturer Name: Rayt	heon			Manufacturer Location: Te	wkbury, MA		
ministrative Leadtime (i	in Months): 3			Production Leadtime (in M	lonths): 18		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
ntract Dates							
livery Dates							
tallation Information							
	on (Organic): Depot, PM				Installation Q		

			0.10.	E7 (0011 1EB				
Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 03 / 10			P-1 Line Item Number / Title: 0962C50700 / Patriot Mods			Modification Number / Title: C50700 / Patriot Mods		
ID Code (A=Service Ready,	B=Not Service Ready):		1	MDAP/MAIS Co	ode:			
Modification Item 17 of	28: Command Obsolescer	nce Alleviation		_				
Manufacturer Informati	on							
Manufacturer Name: Various				Manufacturer Location: Various				
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 5				
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
Contract Dates								
Delivery Dates								
Installation Information	1							
Method of Implementat	ion (Organic): PM Office,	Contractor Team (Includ	led in unit cost)		Installation	Quantity: 0		

LI 0962C50700 - Patriot Mods Army

			UNCI	LASSIFIED							
Exhibit P-3a, Indiv	idual Modification: F	PB 2024 Army				Date: March 2023					
	idget Activity / Budg		P-1 Line Item Nu 0962C50700 / Pa								
Code (A=Service Ready	, B=Not Service Ready):		'	MDAP/MAIS Code:							
odification Item 18 of	f 28: MAP/RDP Encryption	Compliance									
anufacturer Informat	ion										
anufacturer Name: Ra	ytheon			Manufacturer Location: A	ndover, MA						
dministrative Leadtime	(in Months): 4			Production Leadtime (in Months): 5							
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028				
ontract Dates											
elivery Dates											
stallation Information	n										
ethod of Implementa	tion (Organic): Contractor	Team (Included in unit co	ost) PM Fielding Team		Installation	Quantity: 0					
					*						

LI 0962C50700 - Patriot Mods Army

			UNCL	ASSIFIED							
xhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023					
ppropriation / Bu 032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pat								
Code (A=Service Ready,	B=Not Service Ready):		,	MDAP/MAIS Co	ode:						
odification Item 19 of	28: IFF Antenna Redesign										
anufacturer Informati	on										
anufacturer Name: Ray	rtheon			Manufacturer Location: Ar	ndover, MA						
dministrative Leadtime	(in Months): 4			Production Leadtime (in Months):							
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028				
ontract Dates											
elivery Dates											
stallation Information											
ethod of Implementat	ion (Organic): PM Fielding	Team (Included in Field	ding cost)		Installation Q	uantity: 0					

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED

P-1 Line #21 Volume 1 - 190

Exhibit P-3a, Indiv	vidual Modification: P	B 2024 Army				Date: March 2023			
Appropriation / Bi 2032A / 03 / 10	udget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa						
ID Code (A=Service Ready	, B=Not Service Ready):			MDAP/MAIS (Code:	•			
Modification Item 20 o	f 28: Combined Crypto Modi	fication Phase I (CCMP	I)						
Manufacturer Informat	tion								
Manufacturer Name: O	GA			Manufacturer Location: I	N/A				
Administrative Leadtime	e (in Months): 3			Production Leadtime (in	Months): 12				
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		
Contract Dates									
Delivery Dates									

Installation Information

Method of Implementation: LEAD Logistics Fielding Team (Included in unit 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
Installation Cost	Qty (Each) I Total Cost (\$ M)											
Prior Years	150 / 1.950	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	150 / 1.950
FY 2022	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2023	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2024	0 / 0.000	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2025	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2026	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2027	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
FY 2028	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
To Complete	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -
Total	150 / 1.950	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	150 / 1.950

Installation Schedule

			FY 2	2022			FY 2	2023			FY 2	2024	_		FY 2	2025			FY 2	2026			FY 2	2027			FY 2	028			
	PYS	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot																				
In	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Out	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150

LI 0962C50700 - Patriot Mods Army **UNCLASSIFIED**

P-1 Line #21 Volume 1 - 191

			01101	LAGGII ILD								
Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023						
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod						
D Code (A=Service Ready	B=Not Service Ready):			MDAP/MAIS Co	ode:	1						
Modification Item 21 of	f 28: Radar Digital Processo	or - Configuration (RDP-	C)									
Manufacturer Informat	ion											
lanufacturer Name: Ra	ytheon			Manufacturer Location: Ar	ndover, MA							
dministrative Leadtime	(in Months): 8			Production Leadtime (in Months): 20								
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028					
Contract Dates												
Delivery Dates												
nstallation Information	1											
Method of Implements	tion (Organic): Depot, PM	Office, contractor team ((Included in unit cost)		Installation	Quantity: 0						
					· · · · · · · · · · · · · · · · · · ·							

LI 0962C50700 - Patriot Mods Army UNCLASSIFIED

P-1 Line #21 Volume 1 - 192

			UNCI	LASSIFIED								
Exhibit P-3a, Indiv	vidual Modification:	PB 2024 Army				Date: March 2023						
Appropriation / B 2032A / 03 / 10	udget Activity / Budg	get Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Numb						
ID Code (A=Service Ready	y, B=Not Service Ready):		·	MDAP/MAIS C	ode:							
Modification Item 22 o	of 28: Air Defense Artillery S	School Upgrades/ TADSS	3	·								
Manufacturer Informa	tion											
Manufacturer Name: PN	M Office, contractor team			Manufacturer Location: Various								
Administrative Leadtime	e (in Months): 6			Production Leadtime (in I	Months): 18							
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028					
Contract Dates												
Delivery Dates												
Installation Informatio	on											
Method of Implementa	ation (Organic): PM fielding	a team			Installation	Quantity: 0						

LI 0962C50700 - Patriot Mods Army

UNCLASSIFIED Page 35 of 41

Volume 1 - 193

			UNCLA								
Exhibit P-3a, Indivi	dual Modification: PB 20)24 Army				Date: March 2023					
Appropriation / Bud 2032A / 03 / 10	dget Activity / Budget Su	ıb Activity:	P-1 Line Item Num 0962C50700 / Patri								
ID Code (A=Service Ready, I	B=Not Service Ready):		'	MDAP/MAIS Co	ode:						
Modification Item 23 of	28: Modern Manstation (MMS)										
Manufacturer Information	on										
Manufacturer Name: Ray	theon			Manufacturer Location: Andover, MA							
Administrative Leadtime ((in Months): 6			Production Leadtime (in Months): 15							
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028				
Contract Dates											
Delivery Dates											
Installation Information											
notifica of impromoritati	on (Organic): Various (Included	m driit doot)			Installation Q	auy. o					

LI 0962C50700 - Patriot Mods Army

xhibit P-3a, Indiv	dual Modification: F	PB 2024 Army				Date: March 2023					
ppropriation / Bu 032A / 03 / 10	dget Activity / Budg	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number / Title: C50700 / Patriot Mods					
Code (A=Service Ready,	B=Not Service Ready):		•	MDAP/MAIS Co	ode:						
odification Item 24 of	28: Reconfigurable Table	Top Trainers (RT3)									
anufacturer Informati	on										
nufacturer Name: Ray	rtheon			Manufacturer Location: Te	wksbury, MA						
dministrative Leadtime	(in Months): 3			Production Leadtime (in M	fonths): 9						
Dates	FY 2022	FY 2023	FY 2024	FY 2025 FY 2026 FY 2027							
ontract Dates											
elivery Dates											
stallation Information											
ethod of Implementat	ion (Organic): PM Office,	Contractor Team (Includ	led in unit cost)		Installation C	Quantity: 0					

LI 0962C50700 - Patriot Mods Army

			UNCL				
Exhibit P-3a, Indiv	idual Modification: Pl	3 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 0962C50700 / Pat			Modification Number C50700 / Patriot Mod	
ID Code (A=Service Ready,	B=Not Service Ready):		- 1	MDAP/MAIS Co	de:	-	
Modification Item 25 of	28: Assured PNT						
Manufacturer Informati	on						
lanufacturer Name: Ray	/theon			Manufacturer Location: Tev	wksbury, MA		
dministrative Leadtime	(in Months): 4			Production Leadtime (in Mo	onths): 14		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
elivery Dates							
nstallation Information							
lethod of Implementat	ion (Organic): Logistics Fie	lding Team (Included in	unit cost)		Installation (Quantity: 0	

LI 0962C50700 - Patriot Mods Army

P-1 Line #21

			UNCI	_ASSIFIED							
xhibit P-3a, Individ	dual Modification: F	PB 2024 Army				Date: March 2023					
ppropriation / Bud 032A / 03 / 10	dget Activity / Budg	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod					
Code (A=Service Ready, B	B=Not Service Ready):		·	MDAP/MAIS C	ode:						
odification Item 26 of 2	28: Test Detachment										
nufacturer Informatio	on										
anufacturer Name: Vario	ous			Manufacturer Location: Various							
Iministrative Leadtime (i	in Months): 4			Production Leadtime (in N	Nonths): 8						
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028				
ontract Dates											
livery Dates											
tallation Information											
had of Implementation	on (Organic): WSMR PM	owned test hed nersonn	nel		Installation (Quantity: 0					

LI 0962C50700 - Patriot Mods Army

			UNCI	_ASSIFIED						
Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023				
Appropriation / Bu 2032A / 03 / 10	idget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pa			Modification Number C50700 / Patriot Mod				
ID Code (A=Service Ready,	, B=Not Service Ready):			MDAP/MAIS Co	ode:	·				
Modification Item 27 of	f 28: Launcher Hardware			<u>. </u>						
Manufacturer Informati	ion									
Manufacturer Name: Ray	ytheon			Manufacturer Location: Ar	ndover, MA					
Administrative Leadtime	(in Months): 12			Production Leadtime (in Months): 24						
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028			
Contract Dates	Oct 2023	Oct 2023	Feb 2024							
Delivery Dates	Jun 2026	Jun 2026	Feb 2027							
Installation Information	1									
Method of Implementat	tion (Organic): PM Office C	ontractor			Installation	Quantity: 0				

			UNCL	.ASSIFIED			
Exhibit P-3a, Indivi	dual Modification: Pl	B 2024 Army				Date: March 2023	
Appropriation / Bud 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 0962C50700 / Pat			Modification Number C50700 / Patriot Mod	
D Code (A=Service Ready,	B=Not Service Ready):		'	MDAP/MAIS Co	ode:	1	
Modification Item 28 of	28: Additional Battalion of V	Varfighting Capability		_			
Manufacturer Information	on						
Manufacturer Name: Ray	theon			Manufacturer Location: Ar	ndover, MA		
Administrative Leadtime	(in Months): 12			Production Leadtime (in N	Months): 36		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates					Jan 2026		
elivery Dates					Jan 2029		
nstallation Information							
Method of Implementati	ion (Organic): PM Office, C	`ontractor			Installation Qu	iantity: ∩	

LI 0962C50700 - Patriot Mods Army

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

2684C20000 / Stinger Mods

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203801A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	_
Gross/Weapon System Cost (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	- 1	807.616
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)	•	*		
Initial Spares (\$ in Millions)	-	-	_	-	-	_	-	-	-	-	- [-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Secondar	y 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	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	303.757	-	36.484	-	36.484	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

2684C20000 / Stinger Mods

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203801A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

	Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title* Su	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)							
P-3a	C21300 / STINGER BLK I UPGRADES (Service Life Extension)		Α		- / 467.375	- / 303.757	- / -	- / 36.484	- / -	- / 36.484
P-40	Total Gross/Weapon System Cost				- / 467.375	- / 303.757	- 1 -	- / 36.484	- 1 -	- / 36.484
	Exhibits Schedule				FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title* Su	ubexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-3a	3a C21300 / STINGER BLK I UPGRADES (Service Life Extension) A				- / -	- / -	- / -	- / -	- / -	- /807.616
P-40	Total Gross/Weapon System Cost		- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /807.616		

^{*}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.

Exhibit P-3a, Individual Modification: PB 2024 ArmyDate: March 2023Appropriation / Budget Activity / Budget Sub Activity:P-1 Line Item Number / Title:
2684C20000 / Stinger ModsModification Number / Title:
C21300 / STINGER BLK I UPGRADES

ID Code (A=Service Ready, B=Not Service Ready)	: A					MDAP/MA	IS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	467.375	303.757	-	36.484	-	36.484	-	-	-	-	-	807.616
(The following	Resource Sumn	mary rows are fo	r informational p	ourposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)		:		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Seconda	ry Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	- 1
	Total Obligation Authority	303.757	-	36.484	-	36.484	-	-	-	-
Total:	Quantity	-	-	- [-	-	-	-	-	- 1
Secondary Distribution	Total Obligation Authority	303.757	-	36.484	-	36.484	-	-	-	-

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

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

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

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ A
ocurement												
Modification Item 1 of 2: Stinger Service Life Extension Program (SLEP)												
A Kits												
Recurring												
Hardware	5,822 / 317.815	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	5,822 / 317.8
Engineering Services	- / 56.085	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 56.0
System Engineering/Program Management	- /23.369	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 23.30
Integration, Assembly, Test and Checkout	- /70.106	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /70.10
Subtotal: Recurring	5,822 / 467.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,822 / 467.3
Subtotal: Stinger Service Life Extension Program (SLEP)	5,822 / 467.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,822 / 467.3
Modification Item 2 of 2: Stinger Block I												
meaniean rem z er zi eunger Breek i												
A Kits												
A Kits	- 1 -	468 / 175.056	- 1 -	58 / 27.361	- 1 -	58 / 27.361	- 1 -	- 1 -	- 1 -	- 1 -	- / -	526 / 202.4
A Kits Recurring	- <i>I</i> -	468 / 175.056 11 / 5.271	- I - - I -	58 / 27.361 - / -	- 1 -	58 / 27.361 - / -	- I - - I -	- 1 -	- I - - I -	- I - - I -	- <i>I</i> -	
A Kits Recurring Block I Missiles with Proximity Fuze												11 / 5.2
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls	- 1 -	11 / 5.271	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	11 / 5.2° 571 / 4.3°
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA)	- 1 -	11 / 5.271 571 / 4.324	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- <i>I</i> -	- <i>I</i> -	11 / 5.2 571 / 4.3 164 / 24.9
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks	- I - - I - - I -	11 / 5.271 571 / 4.324 164 / 24.900	-	- I - - I -	- I - - I - - I -	- I - - I - - I -	-	- / - - / -	- I - - I - - I -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	11 / 5.2 571 / 4.3 164 / 24.9 396 / 7.9
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units	- 1 - - 1 - - 1 -	11 / 5.271 571 / 4.324 164 / 24.900 396 / 7.905	- 1 - - 1 - - 1 -	- I - - I - - I -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- I - - I - - I -	- I - - I - - I -	11 / 5.2 571 / 4.3 164 / 24.9 396 / 7.9
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring	- 1 - - 1 - - 1 -	11 / 5.271 571 / 4.324 164 / 24.900 396 / 7.905	- 1 - - 1 - - 1 -	- I - - I - - I -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- 1 - - 1 - - 1 -	- I - - I - - I -	- I - - I - - I -	11 / 5.2' 571 / 4.3' 164 / 24.9(396 / 7.9(1,668 / 244.8
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring	- 1 - - 1 - - 1 - - 1 -	11 / 5.271 571 / 4.324 164 / 24.900 396 / 7.905 1,610 / 217.456	- 1 - - 1 - - 1 - - 1 -	- I - - I - - I - - I - 58 / 27.361	- 1 - - 1 - - 1 - - 1 -	- I - - I - - I - - I - 58 / 27.361	- 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 -	11 / 5.2 571 / 4.3 164 / 24.9 396 / 7.9 1,668 / 244.8
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign	- 1 - - 1 - - 1 - - 1 - - 1 -	11 / 5.271 571 / 4.324 164 / 24.900 396 / 7.905 1,610 / 217.456	- 1 - - 1 - - 1 - - 1 - - 1 -	- I - - I - - I - - I - 58/27.361	- 1 - - 1 - - 1 - - 1 - - 1 -	- I I I I I 58 / 27.361	- 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 -	- 1 1 1 1 1 1 -	11 / 5.2 571 / 4.3 164 / 24.9 396 / 7.9 1,668 / 244.8 - / 18.8 - / 14.3
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign Production Capacity Increase	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	11 / 5.271 571 / 4.324 164 / 24.900 396 / 7.905 1,610 / 217.456 - / 8.841 - / 14.399	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- I I I I 58/27.361	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- I I I I 58 / 27.361	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- I I I I I I I -	11/5.2 571/4.3 164/24.9 396/7.9 1,668/244.8 - /8.8 - /14.3 - /17.7
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign Production Capacity Increase Engineering Services	- 1 1 1 1 1 1 1 1 -	11/5.271 571/4.324 164/24.900 396/7.905 1,610/217.456 - /8.841 - /14.399 - /12.741	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- I I I I 58/27.361 - I I I 4.990	- 1 1 1 1 1 1 1 1 -	- I I I 58 / 27.361 - I I I I 4.990	- 1 - - 1 - - 1 - - 1 - - 1 - - 1 - - 1 -	- 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 -	11/5.2 571/4.3 164/24.9 396/7.9 1,668/244.8 - /8.8 - /14.3 - /17.7 - /1.2
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign Production Capacity Increase Engineering Services Acceptance Testing	- 1 1 1 1 1 1 1 1 1 -	11/5.271 571/4.324 164/24.900 396/7.905 1,610/217.456 - /8.841 - /14.399 - /12.741	- 1 1 1 1 1 1 1 1 1 1 -	- I I I 58/27.361 - I I 14.990 - I1.210	- 1 1 1 1 1 1 1 1 1 1 -	- I I I 58 / 27.361 - I I I I I I 4.990 - I 1.210	- 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 -	- I I I I I I I I I I -	11/5.2 571/4.3: 164/24.9 396/7.9 1,668/244.8 - /8.8 - /14.3: - /17.7: - /1.2 - /43.3:
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign Production Capacity Increase Engineering Services Acceptance Testing Production Test Equipment	- 1 1 1 1 1 1 1 1 1 1 1 -	11/5.271 571/4.324 164/24.900 396/7.905 1,610/217.456 - /8.841 - /14.399 - /12.741 - / -	- 1 1 1 1 1 1 1 1 1 1 1 -	- / / / / / / / / / / 4.990 - / 1.210	- 1 1 1 1 1 1 1 1 1 1 1 -	- I I I 58 / 27.361 - I I 4.990 - I 1.210	- 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 -	11/5.2' 571/4.3: 164/24.9(396/7.9(1,668/244.8) - /8.8 /14.3: - /17.7: - /1.2 /43.3: - /9.9(
A Kits Recurring Block I Missiles with Proximity Fuze Production Verification Flight Test Msls Dual Detector Assembly (DDA) Stinger Gripstocks Stinger Battery Cooling Units Subtotal: Recurring Non-Recurring DDA Redesign Production Capacity Increase Engineering Services Acceptance Testing Production Test Equipment Government Management	- 1 1 1 1 1 1 1 1 1 1 1 1 -	11/5.271 571/4.324 164/24.900 396/7.905 1,610/217.456 - /8.841 - /14.399 - /12.741 - / -	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- I I I 58/27.361 - I I I I I 4.990 - I 1.210 - I I 2.923	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- I I I 58 / 27.361 - I I I I I I I I I I I I I I I I I 2.923	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 1 -	- 1 1 1 1 1 1 1 1 1 1 1 1 -	526 / 202.41 11 / 5.27 571 / 4.32 164 / 24.90 396 / 7.90 1,668 / 244.81 - / 14.39 - / 17.73 - / 11.21 - / 43.33 - / 95.42 1,668 / 340.24

LI 2684C20000 - Stinger Mods Army

UNCLASSIFIED

Volume 1 - 203

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

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

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

Missila

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

P-1 Line #22

			UNCI	_ASSIFIED			
Exhibit P-3a, Indiv	idual Modification: PE	3 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 2684C20000 / Sti			Modification Numb C21300 / STINGER	
ID Code (A=Service Ready,	B=Not Service Ready) : A		1	MDAP/MAIS C	Code:	1	
Modification Item 1 of 2	2: Stinger Service Life Extens	sion Program (SLEP)		_			
Manufacturer Informati	on						
Manufacturer Name: Mc	Alester Army Ammunition Pla	ant		Manufacturer Location: N	McAlester, OK		
Administrative Leadtime	(in Months): 3			Production Leadtime (in	Months): 15		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Apr 2022						
Delivery Dates	Mar 2023						

LI 2684C20000 - Stinger Mods Army

		UNCL	.ASSIFIED			
Jual Modification: PE	3 2024 Army				Date: March 2023	
lget Activity / Budge	t Sub Activity:				I	
B=Not Service Ready) : A			MDAP/MAIS Co	ode:	1	
Stinger Block I						
n						
heon			Manufacturer Location: Tu	ucson, Arizona		
in Months):			Production Leadtime (in M	Months): 60		
FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
·		Mar 2024				
Feb 2025		Sep 2028				
on (Organic): Contract				Installation Q	uantity: 0	
	Iget Activity / Budge i=Not Service Ready) : A Stinger Block I in heon in Months): FY 2022 May 2022 Feb 2025	Stinger Block I In heon In Months): FY 2022 May 2022 Feb 2025	P-1 Line Item Nu 2684C20000 / Still	P-1 Line Item Number / Title: 2684C20000 / Stinger Mods	Adual Modification: PB 2024 Army Alget Activity / Budget Sub Activity: P-1 Line Item Number / Title: 2684C20000 / Stinger Mods MDAP/MAIS Code: Stinger Block I In Manufacturer Location: Tucson, Arizona In Months): Production Leadtime (in Months): 60 FY 2022 FY 2023 FY 2024 FY 2025 May 2022 May 2022 Sep 2028	dual Modification: PB 2024 Army diget Activity / Budget Sub Activity: P-1 Line Item Number / Title: 2684C20000 / Stinger Mods ENOT Service Ready): A Stinger Block I Manufacturer Location: Tucson, Arizona In Months): Production Leadtime (in Months): 60 FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 May 2022 Feb 2025 Sep 2028

LI 2684C20000 - Stinger Mods Army

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

51102/10011 125

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

2690CE8710 / AVENGER MODS

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0203801A

Date: March 2023

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready): A

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
(The following	Resource Sumi	mary rows are fo	r informational p	ourposes only. Th	e corresponding	budget request	s are documente	d elsewhere.)	1			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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	y 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	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.227	-	22.274	-	22.274	2.317	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

2690CE8710 / AVENGER MODS

Modifications

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* Subexi		MDAP/ ID MAIS CD Code	Quantity / Total Cost (Each) / (\$ M)					
P-3a	CE8710 / AVENGER MODS (Operational)		A	- / 220.831	- / 11.227	- / -	- / 22.274	- / -	- / 22.274
P-40	Total Gross/Weapon System Cost			- / 220.831	- / 11.227	- 1 -	- / 22.274	- 1 -	- / 22.274
	Exhibits Schedule			FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title* Subext		MDAP/ ID MAIS CD Code	Quantity / Total Cost (Each) / (\$ M)					
P-3a	CE8710 / AVENGER MODS (Operational)		A	- /2.317	- / -	- / -	- / -	- / -	- / 256.649
P-40	Total Gross/Weapon System Cost			- / 2.317	- 1 -	- 1 -	- 1 -	- 1 -	- / 256.649

^{*}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.

UNCLASSIFIED
Page 2 of 13

Exhibit P-3a, Individual Modification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 03 / 10	P-1 Line Item Number / Title: 2690CE8710 / AVENGER MODS	Modification Number / Title: CE8710 / AVENGER MODS
		I

ID Code (A=Service Ready, B=Not Service Ready)	: A					MDAP/MA	IS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	220.831	11.227	-	22.274	-	22.274	2.317	-	-	-	-	256.649
(The following	Resource Sumi	mary rows are fo	or informational p	ourposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)	ì	:		
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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.

UNCLASSIFIED
Page 3 of 13

Exhibit P-3a, Individual Modification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Modification Number / Title:
2032A / 03 / 10	2690CE8710 / AVENGER MODS	CE8710 / AVENGER MODS

ID Code (A=Service Ready	y, B=Not Service Ready):A				MDAP/MA	IS Code:				
Second	dary 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	-	-	-
Total:	Quantity	-	=	-	-	=	-	=	-	-
Secondary Distribution	Total Obligation Authority	11.227	-	22.274	-	22.274	2.317	-	-	-

Date: March 2023 Exhibit P-3a, Individual Modification: PB 2024 Army Appropriation / Budget Activity / Budget Sub Activity: P-1 Line Item Number / Title: Modification Number / Title: 2032A / 03 / 10 2690CE8710 / AVENGER MODS CE8710 / AVENGER MODS

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

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

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ I										
rocurement												
Modification Item 1 of 6: Prior Modifications												
A Kits												
Recurring												
Prior Year Modifications	466 / 67.153	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	466 / 67.1
Subtotal: Recurring	466 / 67.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	466 / 67.1
Subtotal: Prior Modifications	466 / 67.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	466 / 67.1
Modification Item 2 of 6: Vehicle Internal Communication (VIC-5)								I		I		<u> </u>
A Kits												
Recurring												
Hardware	454 / 4.327	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	454 / 4.3
Spares	- / 0.457	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 10.4
Engineering Services	- / 0.335	- / 0.110	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 10.4
Systems Engineering / Program Management	- /2.952	- / 0.230	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /3.1
Fielding	- / 0.208	- / 0.212	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /0.4
Subtotal: Recurring	454 / 8.279	- /0.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	454 / 8.8
B Kits	1											,
Recurring												
Avenger to VIC 5 Cables	264 / 11.880	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	264 / 11.8
Spares	- /1.188	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /1.18
Engineering Services	- /1.185	- / 0.302	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /1.4
Systems Engineering / Program Management	- /2.415	- / 0.631	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /3.0
Fielding	- / 0.672	- / 0.583	- / -	- 1 -	- / -	- 1 -	- 1 -	- / -	- / -	- 1 -	- 1 -	- /1.2
Subtotal: Recurring	264 / 17.340	- /1.516	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	264 / 18.8
Subtotal: Vehicle Internal Communication (VIC-5)	718 / 25.619	- /2.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	718 / 27.6
Modification Item 3 of 6: Mode 5/Identification Friend or Foe												
A Kits								<u> </u>		<u> </u>		
Recurring												
Equipment	484 / 52.089	- 1 -	- 1 -	167 / 18.212	- 1 -	167 / 18.212	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	651 / 70.3
Spares	- /5.208	- 1 -	- 1 -	- /1.820	- 1 -	- /1.820	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- 17.0

LI 2690CE8710 - AVENGER MODS Army

UNCLASSIFIED Page 5 of 13

Volume 1 - 211

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

2032A / 03 / 10

P-1 Line Item Number / Title:
2690CE8710 / AVENGER MODS

Date: March 2023

Modification Number / Title:
CE8710 / AVENGER MODS

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

Models of Systems Affected: Avenger Basic and Modification Type: Operational Related RDT&E PEs:

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M										
Engineering Services	- /4.875	- <i>I</i> 1.278	- 1 -	- / 0.447	- 1 -	- / 0.447	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /6.600
System Engineering / Program Management	- / 15.664	- /2.669	- 1 -	- / 0.933	- 1 -	- / 0.933	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 19.266
Fielding	- 12.543	- / 2.463	- 1 -	- / 0.862	- 1 -	- / 0.862	- / -	- 1 -	- 1 -	- 1 -	- 1 -	- /5.868
Subtotal: Recurring	484 / 80.379	- /6.410	- / -	167 / 22.274	- / -	167 / 22.274	- / -	- / -	- / -	- / -	- / -	651 / 109.06
Non-Recurring	,											
Non-Recurring Production	- / 10.197	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 10.19
Subtotal: Non-Recurring	- /10.197	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /10.197
Subtotal: Mode 5/Identification Friend or Foe	484 / 90.576	- /6.410	- / -	167 / 22.274	- / -	167 / 22.274	- / -	- / -	- / -	- / -	- / -	651 / 119.26
Modification Item 4 of 6: Avenger Fire Control Computer												
A Kits												
Recurring												
Hardware	170 / 21.545	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	170 / 21.54
Spares	- /2.155	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /2.15
Engineering Services	- 12.448	- / 0.548	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /2.99
Systems Engineering / Program Management	- 14.747	- / 1.145	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /5.89
Fielding	- /1.052	- / 1.056	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- 1 -	- 1 -	- /2.10
Subtotal: Recurring	170 / 31.947	- /2.749	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 34.69
Subtotal: Avenger Fire Control Computer	170 / 31.947	- /2.749	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 34.69
Modification Item 5 of 6: Obsolescence Mitigation Items												
A Kits												
Recurring												
Hardware	206 / 4.907	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	206 / 4.907
Engineering Services	- / 0.167	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.16
Systems Engineering / Program Management	- / 0.248	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.248
Fielding	- / 0.214	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- / 0.214
Subtotal: Recurring	206 / 5.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	206 / 5.53
Subtotal: Obsolescence Mitigation Items	206 / 5.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	206 / 5.53
Modification Item 6 of 6: Assured Positioning Navigation and Timing hardware kits												
A Kits												

UNCLASSIFIED
Page 6 of 13

Volume 1 - 212

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

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

P-1 Line Item Number / Title:
2690CE8710 / AVENGER MODS

Modification Number / Title:
CE8710 / AVENGER MODS

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

Models of Systems Affected: Avenger Basic and Modification Type: Operational Related RDT&E PEs:

Slew-to-Cue Systems

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M										
Recurring												-
Hardware	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	90 / 1.895	- 1 -	- 1 -	- 1 -	- 1 -	90 / 1.89
Spares	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.189	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.18
Engineering Services	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.046	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.04
Systems Engineering / Program Management	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.097	- 1 -	- 1 -	- / -	- / -	- / 0.09
Fielding	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /0.090	- 1 -	- 1 -	- 1 -	- 1 -	- / 0.09
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	90 / 2.317	- / -	- / -	- / -	- / -	90 / 2.31
Subtotal: Assured Positioning Navigation and Timing hardware kits	- / -	- / -	- / -	- / -	- / -	- / -	90 / 2.317	- / -	- / -	- / -	- / -	90 / 2.31
Subtotal: Procurement, All Modification Items	2,044 / 220.831	- /11.227	- / -	167 / 22.274	- / -	167 / 22.274	90 / 2.317	- / -	- / -	- / -	- / -	2,301 / 256.64
Installation												<u> </u>
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												-
Total Cost (Procurement + Support + Installation)	220.831	11.227	-	22.274	_	22.274	2.317	-	_	_	_	256.64

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xhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023					
appropriation / Bud 032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / A\			Modification Number CE8710 / AVENGER					
Code (A=Service Ready, I	B=Not Service Ready):A		1	MDAP/MAIS Code:							
lodification Item 1 of 6											
anufacturer Information	on										
lanufacturer Name: Not	Applicable			Manufacturer Location: No	ot Applicable						
dministrative Leadtime ((in Months):			Production Leadtime (in M	Months):						
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028				
ontract Dates											
elivery Dates											
stallation Information											
ethod of Implementati	on (Organic): Completed	at Depot			Installation (Quantity: 466					

			UNCI							
xhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023				
ppropriation / Bud 032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / A\			Modification Number / Title: CE8710 / AVENGER MODS				
Code (A=Service Ready, E	B=Not Service Ready) : A			MDAP/MAIS Co	ode:	'				
odification Item 2 of 6:	: Vehicle Internal Communi	cation (VIC-5)								
anufacturer Informatio	on									
anufacturer Name: Nort	hrop Grumman			Manufacturer Location: To	byhanna, PA					
dministrative Leadtime (in Months): 1			Production Leadtime (in M	lonths): 9					
Dates	FY 2022	FY 2023	FY 2024	FY 2025 FY 2026 FY 2027 FY 20						
ontract Dates										
elivery Dates										
stallation Information										
	on (Organic): Fielded by D				Installation 0					

			UNCL	ASSIFIED			
Exhibit P-3a, Indivi	idual Modification: Pl	B 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / AV			Modification Numb	
ID Code (A=Service Ready,	B=Not Service Ready) : A		'	MDAP/MAIS C	Code:		
Modification Item 3 of 6	3: Mode 5/Identification Frier	nd or Foe		_			
Manufacturer Informati	on						
Manufacturer Name: Ray	ytheon			Manufacturer Location: L	_argo, FL		
Administrative Leadtime	(in Months): 4			Production Leadtime (in	Months): 12		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Feb 2024				
Delivery Dates			Feb 2025				

			UNCL	.ASSIFIED						
xhibit P-3a, Individ	lual Modification: P	B 2024 Army				Date: March 2023				
ppropriation / Bud 032A / 03 / 10	lget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / AV			Modification Number / Title: CE8710 / AVENGER MODS				
Code (A=Service Ready, B	=Not Service Ready) : A			MDAP/MAIS Co	de:	1				
odification Item 4 of 6:	Avenger Fire Control Cor	nputer								
nufacturer Information	n									
nufacturer Name: Boeir	ng			Manufacturer Location: Hu	ntsville, AL					
ministrative Leadtime (ii	n Months): 1			Production Leadtime (in Months): 9						
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028			
ontract Dates										
elivery Dates										
tallation Information										

			UNCL	_ASSIFIED									
xhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023							
Appropriation / Bud 032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / AV			Modification Number / Title: CE8710 / AVENGER MODS							
Code (A=Service Ready, I	B=Not Service Ready) : A		1	MDAP/MAIS Co	ode:	1							
lodification Item 5 of 6	Obsolescence Mitigation I	tems		_									
anufacturer Information	on												
lanufacturer Name: Vari	es			Manufacturer Location: Varies									
dministrative Leadtime (in Months): 6			Production Leadtime (in N	Months): 6								
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028						
ontract Dates													
elivery Dates													
stallation Information													
lathad of Implementati	on (Organic): Fielded by D	lanat			Installation C	Nuontitus 160							

Exhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023						
Appropriation / Bud 2032A / 03 / 10	dget Activity / Budg	et Sub Activity:	P-1 Line Item Nu 2690CE8710 / AV		Modification Number / Title: CE8710 / AVENGER MODS							
Code (A=Service Ready,	B=Not Service Ready):A		•	MDAP/MAIS Co	ode:							
odification Item 6 of 6	: Assured Positioning Navi	gation and Timing hard	vare kits									
anufacturer Information	on											
anufacturer Name: TBD)			Manufacturer Location: TE	BD							
dministrative Leadtime	(in Months):			Production Leadtime (in Months):								
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028					
ontract Dates												
elivery Dates												
stallation Information												
	ion (Organic): Fielded by l	Dan at ta anna			In atallatian (3a4i4 00						
ethod of implementati	ion (Organic): Fleided by i	Depot teams			Installation (auantity: 90						

LI 2690CE8710 - AVENGER MODS Army

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

3972C61700 / ITAS/TOW Mods

Modifications

3372001700711A0/10W WO

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

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,805.638	4.561	5.154	-	-	-	-	-	-	-	-	1,815.353
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,805.638	4.561	5.154	-	-	-	-	-	-	-	-	1,815.353
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,805.638	4.561	5.154	-	-	-	-	-	-	-	-	1,815.353
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Ti	ne corresponding	g budget request	s are documente	ed elsewhere.)	1			
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	4.561	5.154	-	-	-	-	-	-	-

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
Page 1 of 1

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

P-1 Line Item Number / Title:

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

6552C67500 / MLRS Mods

Modifications

ID Code (A=Service Ready, B=Not Service Ready):

Program Elements for Code B Items: N/A

Other Related Program Elements: 0603778A

Date: March 2023

Line Item MDAP/MAIS Code: N/A

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
(The following	Resource Sumi	nary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)				1
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

LI 6552C67500 - MLRS Mods

Army

UNCLASSIFIED

Page 1 of 11 P-1 Line #25

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

6552C67500 / MLRS Mods

Modifications

Other Related Program Elements: 0603778A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

Secondar	ry 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
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193

Program Elements for Code B Items: N/A

UNCLASSIFIED LI 6552C67500 - MLRS Mods Army

Volume 1 - 222 P-1 Line #25

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

6552C67500 / MLRS Mods

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0603778A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-3a	C67500 / MLRS Mods (.)				- / 1,755.767	- / 273.856	- / 218.359	- / 168.198	- / -	- / 168.198
P-40	P-40 Total Gross/Weapon System Cost					- / 273.856	- / 218.359	- / 168.198	- 1 -	- / 168.198
	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)					
P-3a	C67500 / MLRS Mods (.)				- / 185.479	- / 166.770	- / 167.021	- / 167.193	Continuing	Continuing
P-40	Total Gross/Weapon System Cost		- / 185.479	- / 166.770	- / 167.021	- / 167.193	Continuina	Continuing		

^{*}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.

UNCLASSIFIED
Page 3 of 11

LI 6552C67500 - MLRS Mods Army

P-1 Line #25

Volume 1 - 223

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

ID Code (A=Service Ready, B=Not Service Ready)						MDAP/MA	IS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing
(The following	Resource Sumr	mary rows are fo	or informational p	urposes only. Th	ne corresponding	g budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

LI 6552C67500 - MLRS Mods

Army

UNCLASSIFIED

Page 4 of 11

P-1 Line #25

Volume 1 - 224

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

ID Code (A=Service Rea	idy, B=Not Service Ready):				MDAP/MAIS Code:						
Secon	ndary 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	
Total:	Quantity	-	-	-	-	-	=	-	-	-	
Secondary Distribution	Total Obligation Authority	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

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

MDAP/MAIS Code:

MDAP/MAIS Code:

ID Code (A=Service Ready, B=Not Service Ready) :					INID	AP/IVIAIS CO	oue:					
Models of Systems Affected: M270A1		Modifi	cation Typ	e: .			Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M										
Procurement										·		
Modification Item 1 of 4: MLRS Fleet Expansion												
A Kits												
Recurring												
Obsolescence Mitigation (inactive)	- / 458.873	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 458.87
System Engineering Program Management	- / 64.034	- /10.481	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 174.51
Transmissions and Engines	- /60.322	- 17.988	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 68.31
M270A2 Launcher Fleet Expansion	134 / 873.077	26 / 162.329	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	160 / 1,035.40
Fielding	- 1 -	- /8.822	- 1 -	- / -	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- /8.82
Training	- 1 -	- /4.057	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /4.05
Subtotal: Recurring	134 / 1,456.306	26 / 193.677	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 1,649.98
Non-Recurring												
Obsolescence Mitigation Bradley Chassis	- /46.693	- / 6.645	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 53.33
Obsolescence Mitigation Fire Control Sys	- /27.091	- /1.296	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /28.38
Launcher Risk Reduction	- / 17.417	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- / 17.41
Government Testing	- /4.010	- / 0.865	- 1 -	- / -	- / -	- 1 -	- 1 -	- 1 -	- / -	- 1 -	- 1 -	- 14.87
Initial Spares	- /29.701	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 129.70
Training	- /8.602	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- /8.60
Subtotal: Non-Recurring	- /133.514	- /8.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- /142.32
Subtotal: MLRS Fleet Expansion	134 / 1,589.820	26 / 202.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 1,792.30
Modification Item 2 of 4: MLRS Fleet Upgrade												-
A Kits												
Recurring												
System Engineering Program Management	- 1 -	- /5.448	- / 16.248	- / 16.573	- 1 -	- / 16.573	- / 16.904	- <i>I</i> 17.242	- / 17.587	- /17.939	Continuing	Continuing
Transmissions and Engines	- 1 -	- /4.025	- / 10.524	- / 10.030	- 1 -	- / 10.030	- / 11.764	- 17.825	- 17.982	- /8.141	Continuing	Continuing
M270A2 Launcher Upgrade	- 1 -	4 / 25.221	21 / 142.190	18 / 104.647	- 1 -	18 / 104.647	21 / 123.404	13 / 111.572	13 / 112.715	13 / 114.971	Continuing	Continuing
Fielding	- 1 -	- /3.202	- /2.061	- /2.154	- 1 -	- /2.154	- /2.197	- /2.241	- /2.286	- /2.331	Continuing	Continuing
Training	- 1 -	- /1.299	- <i>l</i> 1.319	- /1.033	- 1 -	- /1.033	- /0.703	- 1 -	- 1 -	- 1 -	Continuing	Continuing
Subtotal: Recurring	- / -	4 / 39.195	21 / 172.342	18 / 134.437	- / -	18 / 134.437	21 / 154.972	13 / 138.880	13 / 140.570	13 / 143.382	Continuing	Continuing
Non-Recurring											•	,
Obsolescence Mitigation Bradley Chassis	- 1 -	- / 0.928	- /9.990	- /8.104	- 1 -	- /8.104	- /4.300	- /6.344	- /4.184	- /3.672	Continuing	Continuing
Obsolescence Mitigation Fire Control Sys	- 1 -	- / 0.199	- /4.025	- /4.029	- 1 -	- /4.029	- /3.262	- /3.082	- /2.690	- /2.465	Continuing	Continuing
Government Testing	- 1 -	- / 0.133	- /1.018	- /1.038	- 1 -	- /1.038	- /1.059	- /1.080	- / 1.102	- /1.124	Continuing	Continuing

LI 6552C67500 - MLRS Mods Army UNCLASSIFIED
Page 6 of 11

Volume 1 - 226

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

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

Models of Systems Affected: M270A1		Modifi	cation Typ	e: .			Re	lated RDT	&E PEs:			
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M										
Subtotal: Non-Recurring	- / -	- /1.260	- /15.033	- /13.171	- / -	- /13.171	- /8.621	- /10.506	- /7.976	- /7.261	Continuing	Continuing
Subtotal: MLRS Fleet Upgrade	- / -	4 / 40.455	21 / 187.375	18 / 147.608	- / -	18 / 147.608	21 / 163.593	13 / 149.386	13 / 148.546	13 / 150.643	Continuing	Continuing
Modification Item 3 of 4: Improved Armored Cab (IAC)												
A Kits												
Recurring												
Production	179 / 165.947	30 / 26.567	21 / 20.960	18 / 16.560	- 1 -	18 / 16.560	21 / 19.706	13 / 15.907	13 / 16.225	13 / 16.550	Continuing	Continuing
IAC Spares	- 1 -	5 / 4.351	3 / 2.994	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing
Subtotal: Recurring	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	Continuing	Continuing
Subtotal: Improved Armored Cab (IAC)	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	Continuing	Continuing
Modification Item 4 of 4: APNT												
A Kits												
Recurring												
APNT	- 1 -	- 1 -	32 / 7.030	18 / 4.030	- 1 -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- 1 -	- 1 -	79 / 16.96
Subtotal: Recurring	- / -	- / -	32 / 7.030	18 / 4.030	- / -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- / -	- / -	79 / 16.96
Subtotal: APNT	- / -	- / -	32 / 7.030	18 / 4.030	- / -	18 / 4.030	11 / 2.180	7 / 1.477	11 / 2.250	- / -	- / -	79 / 16.96
Subtotal: Procurement, All Modification Items	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	Continuing	Continuing
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	1,755.767	273.856	218.359	168.198	-	168.198	185.479	166.770	167.021	167.193	Continuing	Continuing

P-1 Line #25

			UNCL	ASSIFIED			
Exhibit P-3a, Indiv	ridual Modification: P	B 2024 Army				Date: March 2023	
Appropriation / Bu 2032A / 03 / 10	udget Activity / Budge	et Sub Activity:	P-1 Line Item Nui 6552C67500 / ML			Modification Number C67500 / MLRS Mod	
D Code (A=Service Ready	, B=Not Service Ready):			MDAP/MAIS C	ode:		
Modification Item 1 of	4: MLRS Fleet Expansion						
Manufacturer Informat	ion						
/Janufacturer Name: Lo	ckheed Martin Missiles & Fire	re Control		Manufacturer Location: C	Camden, AR		
Administrative Leadtime	(in Months): 3			Production Leadtime (in I	Months): 28		
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Apr 2022						
Delivery Dates	Aug 2024						

LI 6552C67500 - MLRS Mods Army UNCLASSIFIED
Page 8 of 11

			UNCL	.ASSIFIED				
Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023		
Appropriation / Bu 2032A / 03 / 10	idget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 6552C67500 / ML			Modification Number / Title: C67500 / MLRS Mods		
ID Code (A=Service Ready	, B=Not Service Ready):			MDAP/MAIS C	ode:			
Modification Item 2 of	4: MLRS Fleet Upgrade			<u> </u>				
Manufacturer Informat	ion							
Manufacturer Name: Lo	ckheed Martin Missiles & Fir	e Control		Manufacturer Location: C	amden, AR			
Administrative Leadtime	(in Months): 3			Production Leadtime (in N	Months): 29			
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	Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028	Dec 2029	Dec 2030	
Installation Information	1							
Method of Implementa	tion (Organic): Field Artiller	y Launchers Product Of	fice		Installation (Quantity: 0		

			UNCL	_ASSIFIED						
Exhibit P-3a, Individ	dual Modification: Pl	B 2024 Army				Date: March 2023				
Appropriation / Buo 2032A / 03 / 10	lget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 6552C67500 / ML		Modification Number C67500 / MLRS Mod					
ID Code (A=Service Ready, B	B=Not Service Ready):			MDAP/MAIS C	ode:					
Modification Item 3 of 4:	Improved Armored Cab (I	AC)		<u>. </u>						
Manufacturer Informatio	n									
Manufacturer Name: Loc	Performance Products, LL0	C		Manufacturer Location: Pl	ymouth, MI					
Administrative Leadtime (in Months): 3			Production Leadtime (in Months): 21						
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028			
Contract Dates			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			
Installation Information										
Method of Implementation	on (Organic): Depot				Installation (Quantity: 0				
method of implementation	on (Organic). Depot				installation	auanity. ∪				

			UNCL	.ASSIFIED				
Exhibit P-3a, Individ	dual Modification: PE	3 2024 Army				Date: March 2023		
Appropriation / Bud 2032A / 03 / 10	dget Activity / Budge	t Sub Activity:	P-1 Line Item Nu 6552C67500 / ML			Modification Number / Title: C67500 / MLRS Mods		
ID Code (A=Service Ready, B	3=Not Service Ready):			MDAP/MAIS Co	ode:	•		
Modification Item 4 of 4:	APNT							
Manufacturer Informatio	n							
Manufacturer Name: Strat	tegic and Operational Rocke	ets & Missiles		Manufacturer Location: Re	edstone Arsenal, AL			
Administrative Leadtime (i	in Months): 3			Production Leadtime (in N	Months): 9			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
Contract Dates		Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027		
Delivery Dates		Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028		
Installation Information								
Method of Implementation	on (Organic): Field Artillery	/ Launchers Product Of	fice		Installation Q	uantity: 0		

LI 6552C67500 - MLRS Mods Army UNCLASSIFIED
Page 11 of 11

Volume 1 - 231

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

6580C67501 / HIMARS Modifications

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210600A, 0603778A,

0210608A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

The Roll History Tribute Godel (I)													
	Prior			FY 2024	FY 2024	FY 2024					То		
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total	
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing	
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	e corresponding	p budget request	s are documente	d elsewhere.)					
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	

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

UNCLASSIFIED

LI 6580C67501 - HIMARS Modifications

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

6580C67501 / HIMARS Modifications

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210600A, 0603778A,

0210608A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

Seconda	ry Distribution	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	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163

LI 6580C67501 - HIMARS Modifications

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 03: Modification of Missiles / BSA 10:

6580C67501 / HIMARS Modifications

Modifications

Program Elements for Code B Items: N/A

Other Related Program Elements: 0210600A, 0603778A.

Date: March 2023

0210608A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-3a	C67501 / HIMARS Modifications (Operational, Reliability, Safety, Crew Survivability)				- / 263.812	- /7.192	- /20.468	- /76.266	- / -	- /76.266
P-40	Total Gross/Weapon System Cost				- / 263.812	- /7.192	- / 20.468	- / 76.266	- 1 -	- / 76.266
	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)					
P-3a	C67501 / HIMARS Modifications (Operational, Reliability, Safety, Crew Survivability)				- /49.485	- / 54.065	- / 54.107	- / 54.163	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 49.485	- / 54.065	- / 54.107	- / 54.163	Continuing	Continuing

^{*}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.

> UNCLASSIFIED Page 3 of 10

Exhibit P-3a, Individual Modification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 03 / 10	P-1 Line Item Number / Title: 6580C67501 / HIMARS Modifications	Modification Number / Title: C67501 / HIMARS Modifications
	·	· · · · · · · · · · · · · · · · · · ·

ID Code (A=Service Ready, B=Not Service Ready)												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	263.812	7.192	20.468	76.266	-	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing
(The following	Resource Sumr	mary rows are fo	r informational p	urposes only. Ti	ne corresponding	g budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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.

Secondar	y 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	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED
Page 4 of 10

Exhibit P-3a, Individual Modification: PB 2024 Army			Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2032A / 03 / 10	P-1 Line Item Number / Title: 6580C67501 / HIMARS Modificat	ions	Modification Number / Title: C67501 / HIMARS Modifications
ID Code (A=Service Ready, B=Not Service Ready) :	MDAI	P/MAIS Code:	
	FY 2024 FY 2024	FY 2024	

76.266

oco

Total

76.266

FY 2025

49.485

FY 2026

54.065

FY 2027

54.107

FY 2028

54.163

Base

LI 6580C67501 - HIMARS Modifications

Army

UNCL

Pag

FY 2022

7.192

FY 2023

20.468

Secondary Distribution

Total Obligation Authority

Secondary Distribution

Exhibit P-3a, Individual Modification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 03 / 10

P-1 Line Item Number / Title:
6580C67501 / HIMARS Modifications

C67501 / HIMARS Modifications

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

Models of Systems Affected: M142 High Mobility | Modification Type: Operational, Reliability, Safety, | Related RDT&E PEs:

Artillery Rocket System Crew Survivability

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Financial Plan	Qty (Each) I	Qty (Each) I										
	Total Cost (\$ M)	Total Cost (\$ M										
Procurement												
Modification Item 1 of 3: M142 Mods												
A Kits												
Recurring												
Program Management	- <i>I</i> 5.231	- <i>I</i> 1.493	- <i>I</i> 1.523	- / 1.553	- 1 -	- / 1.553	- /1.584	- /1.616	- /1.648	- <i>I</i> 1.715	Continuing	Continuing
Obsolescence Mitigation	- / 240.687	- /3.440	- /4.584	- /4.559	- 1 -	- /4.559	- /4.464	- /4.831	- /4.605	- /5.471	Continuing	Continuing
Industrial Facilities	- 12.499	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	Continuing	Continuing
Peculiar Support Equipment	- / 0.626	- / 0.105	- / 0.140	- / 0.148	- 1 -	- / 0.148	- / 0.152	- / 0.155	- / 0.158	- / 0.161	Continuing	Continuing
Training	- /2.361	- / 0.397	- / 0.528	- / 0.559	- 1 -	- / 0.559	- / 0.574	- / 0.586	- / 0.598	- / 0.610	Continuing	Continuing
Test & Evaluation (Acceptance Testing)	- 14.282	- / 0.720	- / 0.958	- / 1.013	- 1 -	- /1.013	- /1.040	- /1.061	- /1.082	- / 1.103	Continuing	Continuing
Systems Engineering	- /8.126	- <i>I</i> 1.037	- / 1.860	- / 2.221	- 1 -	- /2.221	- 12.276	- /2.303	- /2.336	- /2.500	Continuing	Continuing
CFCS Obsolescence Mitigation	- 1 -	- 1 -	- 1 -	- / 19.695	- 1 -	- / 19.695	- 1 -	- 1 -	- 1 -	- 1 -	- 1 -	- / 19.69
Subtotal: Recurring	- /263.812	- /7.192	- /9.593	- /29.748	- / -	- /29.748	- /10.090	- /10.552	- /10.427	- /11.560	Continuing	Continuing
Subtotal: M142 Mods	- /263.812	- /7.192	- /9.593	- /29.748	- / -	- /29.748	- /10.090	- /10.552	- /10.427	- /11.560	Continuing	Continuing
Modification Item 2 of 3: CFCS Kit						,	'					,
A Kits												
Recurring												
CFCS A Kit	- 1 -	- 1 -	- 1 -	37 / 29.008	- 1 -	37 / 29.008	44 / 35.200	53 / 43.248	52 / 43.420	52 / 42.343	Continuing	Continuing
Subtotal: Recurring	- / -	- / -	- / -	37 / 29.008	- / -	37 / 29.008	44 / 35.200	53 / 43.248	52 / 43.420	52 / 42.343	Continuing	Continuing
Subtotal: CFCS Kit	- / -	- / -	- / -	37 / 29.008	- / -	37 / 29.008	44 / 35.200	53 / 43.248	52 / 43.420	52 / 42.343	Continuing	Continuing
Modification Item 3 of 3: APNT Kit												
A Kits												-
Recurring												-
DIGAR Kits	- 1 -	- 1 -	145 / 10.875	231 / 17.325	- 1 -	231 / 17.325	53 / 3.975	- 1 -	- 1 -	- 1 -	- 1 -	429 / 32.17
NavStrike-M Kits	- 1 -	- 1 -	- 1 -	37 / 0.185	- / -	37 / 0.185	44 / 0.220	53 / 0.265	52 / 0.260	52 / 0.260	Continuing	Continuing
Subtotal: Recurring	- / -	- / -	145 / 10.875	268 / 17.510	- / -	268 / 17.510	97 / 4.195	53 / 0.265	52 / 0.260	52 / 0.260	Continuing	Continuing
Subtotal: APNT Kit	- / -	- / -	145 / 10.875	268 / 17.510	- / -	268 / 17.510	97 / 4.195	53 / 0.265	52 / 0.260	52 / 0.260	Continuing	Continuing
Subtotal: Procurement, All Modification Items	- /263.812	- /7.192	145 / 20.468	305 / 76.266	- / -	305 / 76.266	141 / 49.485	106 / 54.065	104 / 54.107	104 / 54.163	Continuing	Continuing
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modificat	xhibit P-3a, Individual Modification: PB 2024 Army														
Appropriation / Budget Activity / 2032A / 03 / 10	Budget Sub Acti	vity:	Ī	tem Numb 501 / HIMA	er / Title: RS Modific	ations				ion Numbe HIMARS M		s			
ID Code (A=Service Ready, B=Not Service Ready):		ode:													
Models of Systems Affected: M14 Artillery Rocket System	Models of Systems Affected: M142 High Mobility Artillery Rocket System Modification Type: Operational, Reliability, Safety, Crew Survivability														
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total			
Financial Plan	Qty (Each) I Total Cost (\$ M)	Qty (Each) I Total Cost (\$ M)	ch / I Oty (Each						Qty (Each) I Total Cost (\$ M)						
Total															
Total Cost (Procurement + Support + Installati	on) 263.812	7.192	20,468	76,266	_	76.266	49.485	54.065	54.107	54.163	Continuing	Continuing			

Exhibit P-3a, Indiv	idual Modification: P	B 2024 Army				Date: March 2023						
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 6580C67501 / HII	mber / Title: MARS Modifications		Modification Number C67501 / HIMARS M						
D Code (A=Service Ready,	B=Not Service Ready):		'	MDAP/MAIS Co	ode:	I .						
Modification Item 1 of 3	3: M142 Mods											
lanufacturer Informati	on											
lanufacturer Name: Var	ious			Manufacturer Location: Va	rious							
Administrative Leadtime	(in Months):			Production Leadtime (in Months):								
Dates	FY 2022	FY 2023	FY 2024	FY 2025 FY 2026 FY 2027 F								
Contract Dates												
Delivery Dates												
nstallation Information												
lethod of Implementat	ion (Organic): Field Artille	ry Launchers Product O	ffice		Installation	Quantity: 0						

LI 6580C67501 - HIMARS Modifications Army

	Exhibit P-3a, Indiv	idual Modification: Pl	В 2024 Army				Date: March 2023		
Modification Item 2 of 3: CFCS Kit Manufacturer Information Manufacturer Name: Various Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 21 Dates FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2029 Installation Information		dget Activity / Budge	t Sub Activity:				Modification Number / Title: C67501 / HIMARS Modifications		
Manufacturer Information Manufacturer Name: Various Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 21 Dates FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2029 Installation Information	ID Code (A=Service Ready,	B=Not Service Ready):			MDAP/MAIS Co	ode:			
Manufacturer Name: Various Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 21 Dates FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2029 Installation Information	Modification Item 2 of 3	: CFCS Kit			<u> </u>				
Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 21 Dates FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2027 Apr 2028 Apr 2029 Installation Information	Manufacturer Informati	on							
Dates FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2027 Apr 2028 Apr 2029 Installation Information	Лаnufacturer Name: Var	ious			Manufacturer Location: Va	rious			
Contract Dates Apr 2024 Apr 2025 Apr 2026 Apr 2027 Delivery Dates Apr 2026 Apr 2027 Apr 2028 Apr 2029 Installation Information	Administrative Leadtime	(in Months): 3			Production Leadtime (in M	lonths): 21			
Delivery Dates Apr 2026 Apr 2027 Apr 2028 Apr 2029 Installation Information	Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
Installation Information	Contract Dates			Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028	
	Delivery Dates			Apr 2026	Apr 2027	Apr 2028	Apr 2029	Apr 2030	
Method of Implementation (Organic): Field Artillery Launchers Product Office Installation Quantity: 0	nstallation Information								
	Method of Implementat	ion (Organic): Field Artiller	y Launchers Product Of	fice		Installation 0	Quantity: 0		
						,			

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Exhibit P-3a, Indivi	dual Modification: P	B 2024 Army				Date: March 2023		
Appropriation / Bu 2032A / 03 / 10	dget Activity / Budge	et Sub Activity:	P-1 Line Item Nu 6580C67501 / HII	mber / Title: MARS Modifications		Modification Number / Title: C67501 / HIMARS Modifications		
ID Code (A=Service Ready,	B=Not Service Ready):			MDAP/MAIS Co	ode:	•		
Modification Item 3 of 3	: APNT Kit			-				
Manufacturer Information	on							
Manufacturer Name: Vari	ous			Manufacturer Location: Va	arious			
Administrative Leadtime	(in Months): 3			Production Leadtime (in M	fonths): 9			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
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	
Installation Information								
Method of Implementati	on (Organic): Field Artiller	y Launchers Product Ot	ffice		Installation (Quantity: 0		

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10:

1242CA0250 / Spares And Repair Parts

Spares And Repair Parts

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

P-1 Line #27

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	389.128	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	389.128	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	389.128	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674	Continuing	Continuing
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	g budget request:	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY 2024 funds provide for the procurement of spares to support initial fielding of new or modified end items.

Secondar	ry 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
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.019	6.508	6.573	-	6.573	6.682	6.658	6.667	6.674

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 04: Spares and Repair Parts / BSA 10:

1242CA0250 / Spares And Repair Parts

Spares And Repair Parts

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

ID Code (A=Service Ready, B=Not Service Ready):

	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)					
P-5	CA0267 / PATRIOT MODIFICATION INITIAL SPARES				- / 389.128	- /5.019	- / 6.508	- / 6.573	- / -	- / 6.573
P-40	Total Gross/Weapon System Cost		- / 389.128	- / 5.019	- / 6.508	- / 6.573	- 1 -	- / 6.573		

^{*}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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Exhibit P-5, Cost	Analysis	: PB 20	24 Army	,										Date: N	larch 202	23		
Appropriation / E 2032A / 04 / 10	Budget Ac	tivity /	Budget	Sub Act	ivity:			n Numbe / Spares			6			CA0267	umber / 1 7 / PATRI SPARES	ОТ МОІ		ON
ID Code (A=Service Rea	dy, B=Not Servic	e Ready):				· ·			М	DAP/MAIS	Code:							
	Resource	Summ	ary			Prior Yea	ars	FY 20	22	FY	2023	FY 2	2024 Bas	se F	Y 2024 (ОСО	FY 2024	Total
Procurement Quantity (Un	its in Each)						-		-		-			-		-		
Gross/Weapon System C)					389.128		5.019		6.508		(6.573		-		6.57
Less PY Advance Procure	ement (\$ in Milli	ons)					-		-		-			-		-		_
Net Procurement (P-1) (\$	in Millions)	·					389.128		5.019		6.508		(5.573		-		6.57
Plus CY Advance Procure	ement (\$ in Millio	ons)					-		-		-			-		-		-
Total Obligation Authori	ty (\$ in Millions)						389.128		5.019		6.508			6.573		-		6.57
(T	he following R	esource Su	ummary row	s are for info	rmational p	urposes only	y. The corres	sponding bud	get request	s are docume	ented elsewhe	re.)						
Initial Spares (\$ in Millions)							-		-		-			-		-		-
Gross/Weapon System U	nit Cost (\$ in TI	ousands)					-		-		-			-		-		-
Note: Subtotals or Totals	ote: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly of Prior Years F							FY 2023		FY	2024 Base		F	7 2024 O	co	F	Y 2024 Tot	al
	Unit Cost	•	Total			Total			T. (.)								1	
Cost Elements	(\$ K)	Qty (Each)	Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Cost Elements Hardware Cost									Cost			Cost			Cost			Cost
Hardware Cost Non Recurring Cost									Cost			Cost			Cost			Cost
Hardware Cost							(\$ K)		Cost			Cost			Cost			Cost (\$ M)
Hardware Cost Non Recurring Cost CA0267 / PATRIOT MODIFICATION	(\$ K)	(Each)	(\$ M)	(\$ K)		(\$ M)	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M)	(\$ K)		Cost (\$ M)			Cost (\$ M)
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring	(\$ K)	(Each)	(\$ M) 389.128	(\$ K)	(Each)	(\$ M)	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M)	(\$ K)		Cost (\$ M)		(Each)	Cost
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring Cost		(Each) - -	(\$ M) 389.128 389.128	(\$ K)	(Each) - -	(\$ M) 5.019 5.019	(\$ K)	(Each)	Cost (\$ M) 6.508	(\$ K) - -	(Each)	Cost (\$ M) 6.573 6.573	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M) 6.57
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring Cost Subtotal: Hardware Cost Gross/Weapon System	(\$ K)	(Each)	389.128 389.128 389.128 389.128		(Each) - -	5.019 5.019 5.019	(\$ K)	(Each)	Cost (\$ M) 6.508 6.508	(\$ K)	(Each)	Cost (\$ M) 6.573 6.573 6.573	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M) 6.57 6.57 6.57
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring Cost Subtotal: Hardware Cost Gross/Weapon System Cost	(\$ K)	(Each) ndary Di	389.128 389.128 389.128 389.128 stribution		(Each) - -	5.019 5.019 5.019	(\$ K)	(Each)	Cost (\$ M) 6.508 6.508 6.508	(\$ K)	(Each)	Cost (\$ M) 6.573 6.573 6.573	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M) 6.57 6.57 6.57
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring Cost Subtotal: Hardware Cost Gross/Weapon System Cost		(Each) ndary Di	389.128 389.128 389.128 389.128 stribution		(Each) - -	5.019 5.019 5.019	(\$ K)	(Each)	Cost (\$ M) 6.508 6.508 6.508	(\$ K)	(Each)	Cost (\$ M) 6.573 6.573 6.573	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M) 6.57 6.57 6.57
Non Recurring Cost CA0267 / PATRIOT MODIFICATION INITIAL SPARES Subtotal: Non Recurring Cost Subtotal: Hardware Cost Gross/Weapon System	(\$ K)	(Each) Total	389.128 389.128 389.128 389.128 stribution		(Each) - -	5.019 5.019 5.019	(\$ K)	(Each)	Cost (\$ M) 6.508 6.508 6.508	(\$ K)	(Each)	Cost (\$ M) 6.573 6.573 6.573	(\$ K)	(Each)	Cost (\$ M)	(\$ K)	(Each)	Cost (\$ M) 6.57 6.57

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA | 1242C93000 / Air Defense Targets

10: Support Equipment & Facilities 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

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	1,038	666	657	667	-	667	680	704	652	683	-	5,747
Gross/Weapon System Cost (\$ in Millions)	467.071	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317	-	551.386
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	467.071	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317	-	551.386
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	467.071	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317	-	551.386
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	- [-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	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.

Secondar	y 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
Total:	Quantity	666	657	667	-	667	680	704	652	683
Secondary Distribution	Total Obligation Authority	10.618	11.317	11.701	-	11.701	12.100	12.923	12.339	13.317

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA | 1242C93000 / Air Defense Targets

10: Support Equipment & Facilities 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)					
P-5	C93000 / Air Defense Targets	P-5a			1,038 / 467.071	666 / 10.618	657 / 11.317	667 / 11.701	- / -	667 / 11.701
P-40	Total Gross/Weapon System Cost	-			1,038 / 467.071	666 / 10.618	657 / 11.317	667 / 11.701	- 1 -	667 / 11.701

^{*}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.

> UNCLASSIFIED Page 2 of 6

Exhibit P-5, Cost Analysis: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
2032A / 05 / 10	1242C93000 / Air Defense Targets	C93000 / Air Defense Targets

ID Code (A=Service Ready, B=Not Service Ready):		N	DAP/MAIS Code:			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	1,038	66	657	667	-	667
Gross/Weapon System Cost (\$ in Millions)	467.071	10.61	11.317	11.701	-	11.701
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	467.071	10.61	11.317	11.701	-	11.701
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	467.071	10.61	11.317	11.701	-	11.701
(The following Resource Summary rows are for informa	tional purposes only. The cor	responding budget reque	sts are documented elsewher	re.)		3
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	449.972	15.94	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.

	P	rior Years	;		FY 2022			FY 2023		FY	' 2024 Bas	e	F۱	/ 2024 OC	0	FY	2024 Tota	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)
Flyaway Cost		'		'	'		'									'	'	
Recurring Cost																		
Remotely Piloted Vehicle Target (RPVT) ^(†)	210.075	2,115	444.309	6.683	666	4.451	8.178	657	5.373	9.160	677	6.201	-	-	-	9.160	677	6.20
Infrared Kit Payload ^(†)	0.312	2,114	0.660	0.335	666	0.223	0.374	657	0.246	0.420	677	0.284	-	-	-	0.420	677	0.28
Launcher ^(†)	29.294	17	0.498	33.200	5	0.166	41.000	5	0.205	44.270	4	0.177	-	-	-	44.270	4	0.17
Manual Navigation GCS ^(†)	11.617	47	0.546	12.000	5	0.060	14.600	5	0.073	16.100	5	0.081	-	-	-	16.100	5	0.08
BVR Navigation GCS ^(†)	31.136	22	0.685	33.500	10	0.335	41.400	5	0.207	40.440	2	0.081	-	-	-	40.440	2	0.08
BVR Payload ^(†)	13.278	115	1.527	15.800	65	1.027	23.100	10	0.231	22.100	5	0.111	-	-	-	22.100	5	0.1
Acoustic Scoring Payload ^(†)	13.782	156	2.150	15.000	55	0.825	18.000	50	0.900	17.800	50	0.890	-	-	-	17.800	50	0.89
Acoustic Scoring GCS ^(†)	47.107	28	1.319	50.000	2	0.100	62.500	2	0.125	60.770	2	0.122	-	-	-	60.770	2	0.12
Radar Scoring Payload ^(†)	18.990	100	1.899	22.400	55	1.232	18.000	50	0.900	24.310	30	0.729	-	-	-	24.310	30	0.72
Radar Scoring GCS ^(†)	18.000	4	0.072	18.000	2	0.036	22.500	2	0.045	20.740	1	0.021	-	-	-	20.740	1	0.02
RPVT Lighting Kit Payload ^(†)	0.313	163	0.051	0.260	100	0.026	0.330	100	0.033	0.350	100	0.035	-	-	-	0.350	100	0.03
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	2.8

LI 1242C93000 - Air Defense Targets Army

UNCLASSIFIED
Page 3 of 6

Volume 1 - 247

Exhibit P-5, Cost Analysis: PB 2024 Army

P-1 Line Item Number / Title:

1242C93000 / Air Defense Targets

Item Number / Title [DODIC]:

Date: March 2023

C93000 / Air Defense Targets

ID Code (A=Service Ready, B=Not Service Ready):

2032A / 05 / 10

MDAP/MAIS Code:

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

Appropriation / Budget Activity / Budget Sub Activity:

	P	rior Years	;		FY 2022			FY 2023		F	/ 2024 Ba	se	F	Y 2024 OC	0	FY	2024 Tot	al
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)									
Smoke Generator Payload ^(†)	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 ^(†)	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
Subtotal: Recurring Cost	-	-	463.140	-	-	10.618	-	-	11.317	-	-	11.701	-	-	-	-	-	11.701
Subtotal: Flyaway Cost	-	-	463.140	-	-	10.618	-	-	11.317	-	-	11.701	-	-	-	-	-	11.701
Software Cost					·					,		,	·					
Recurring Cost																		
Technical Refresh - Windows OS Update	1,965.000	2	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Software Cost	-	-	3.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	449.972	1,038	467.071	15.943	666	10.618	17.225	657	11.317	17.543	667	11.701	-	-	-	17.543	667	11.701

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.

Secondar	ry 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
Total:	Quantity	666	657	667	-	667
Secondary Distribution	Total Obligation Authority	10.618	11.317	11.701	-	11.701

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

Item Number / Title [DODIC]:

2032A / 05 / 10 1242C93000 / Air Defense Targets C93000 / Air Defense Targets

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Cost Elements	0 0	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue
Remotely Piloted Vehicle Target (RPVT)		2022	Griffon Aerospace Inc. / Madison, AL		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	Υ		
BVR Navigation GCS		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Sep 2023	5	41.400	Υ		
BVR Navigation GCS		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	2	40.440	Υ		
BVR Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	May 2022	65	15.800	Υ		
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	Υ		
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	\top	2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	30	24.310	Y		
Radar Scoring GCS	\top	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	1	2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	1	20.740	Y		
RPVT Lighting Kit Payload	\top	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		
			· · · · · · · · · · · · · · · · · · ·			1						

LI 1242C93000 - Air Defense Targets Army

P-1 Line #28

Exhibit P-5a, Procurement History and Planning: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:
2032A / 05 / 10

Date: March 2023

Item Number / Title [DODIC]:
1242C93000 / Air Defense Targets

	0			Method/Type or		Award	Date of First	Qty	Unit Cost	Specs Avail	Revision	RFP Issue
Cost Elements	0	FY	Contractor and Location	Funding Vehicle	Location of PCO	Date	Delivery	(Each)	(\$ K)	Now?	Available	Date
RPVT Lighting Kit Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	100	0.350	Υ		
Smoke Generator Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Jan 2022	30	0.500	Υ		
Smoke Generator Payload		2023	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC-RED	Nov 2022	Apr 2023	30	0.600	Υ		
Smoke Generator Payload		2024	Griffon Aerospace Inc. / Madison, AL	Option / FFP	ACC, Orlando, FL	Nov 2023	Mar 2024	30	0.680	Υ		
Over the Horizon BVR Payload		2022	Griffon Aerospace Inc. / Madison, AL	C / FFP	ACC-ORL	Nov 2021	Feb 2022	15	22.000	Υ		
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	Υ		

Remarks:

NOTE: All FY 2021 and 2022 Procurements with Griffon Aerospace are Options on the program's firm fixed price contract.

Exhibit P-40, Budget Line Item Justification: PB 2024 Army

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

2032A: Missile Procurement, Army / BA 05: Support Equipment and Facilities / BSA 9900CX9999 / CLOSED ACCOUNT ADJUSTMENTS

10: Support Equipment & Facilities ID Code (A=Service Ready, B=Not Service Ready):

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Date: March 2023

Line Item MDAP/MAIS Code: N/A

	Prior			FY 2024	FY 2024	FY 2024					То	
Resource Summary	Years	FY 2022	FY 2023	Base	oco	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.789	0.002	-	-	-	-	-	-	-	-	-	15.791
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	15.789	0.002	-	-	-	-	-	-	-	-	-	15.791
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15.789	0.002	-	-	-	-	-	-	-	-	-	15.791
(The following	Resource Sumi	mary rows are fo	r informational p	ourposes only. Th	ne corresponding	g budget request	s are documente	ed elsewhere.)			[
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line is for closed account bills.

The life to to decor decorat sine.										
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	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.002	-	-	-	-	-	-	-	-

Justification:

No funding in FY 2024.