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**Department of Defense  
Fiscal Year (FY) 2025 Budget Estimates**

March 2024



**Army**

*Justification Book Volume 1 of 1*

***Procurement of Ammunition, Army***

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Army • Budget Estimates FY 2025 • Procurement

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# PROCUREMENT OF AMMUNITION, ARMY

## Appropriation Language

For construction, procurement, production, modification, and modernization of ammunition, equipment, spare parts and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by Sec 2854 of Title 10, United States Code, and land necessary therefore, for the foregoing purposes, and such lands and interest 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, \$2,702,640,000 in fiscal year 2025 to remain available for obligation until September 30, 2027.

Fiscal Year (FY) 2025 Enduring and Overseas Operations Costs funding accounted for in the Base budget total \$24,163,000.

Combat or direct combat support expenses that discontinue once combat operations end at major contingency locations \$17,800,000.

In-theater and in-CONUS expenses that remain after combat operations cease and have been previously funded in OCO \$6,363,000.

FY 2023 includes \$96,828,000 in Overseas Operations Costs (OOC) Actuals. FY 2024 includes \$23,979,000 in OOC Requested. FY 2025 includes \$17,800,000 for the OOC budget Estimate. OOC were financed previously with former Overseas Contingency Operations (OOC) funding.



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Department of the Army  
 FY 2025 President's Budget  
 Exhibit P-1 FY 2025 President's Budget  
 Total Obligational Authority  
 2034A Detail

Jan 2024

(Dollars in Thousands)

Appropriation: 2034 Procurement of Ammunition, Army				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
<b><u>Budget Activity 01: Ammunition</u></b>									
<b>Small/Medium Cal Ammunition</b>									
1	CTG, 5.56MM, All Types	A	U		62,029		90,853		84,090
2	CTG, 7.62MM, All Types	A	U		92,406		65,370		41,519
3	NEXT GENERATION SQUAD WEAPON AMMUNITION	A	U		96,496		191,244		205,889
4	CTG, Handgun, All Types	A	U		317		6,597		6,461
5	CTG, .50 Cal, All Types	A	U		108,556		41,534		50,002
6	CTG, 20mm, All Types	A	U		21,761		7,925		7,012
7	CTG, 25mm, All Types	A	U		455,790		38,760		24,246
8	CTG, 30mm, All Types	A	U		137,209		107,805		82,965
9	CTG, 40mm, All Types	A	U		108,590		148,970		150,540
10	CTG, 50MM, All Types		U				28,000		20,006

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Department of the Army  
 FY 2025 President's Budget  
 Exhibit P-1 FY 2025 President's Budget  
 Total Obligational Authority  
 2034A Detail

Jan 2024

(Dollars in Thousands)

Appropriation: 2034 Procurement of Ammunition, Army				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
<b>Mortar Ammunition</b>									
11	60MM Mortar, All Types		U		36,923		35,160		40,853
12	81MM Mortar, All Types		U		66,781		40,562		51,282
13	120MM Mortar, All Types	A	U		143,969		106,784		109,370
<b>Tank Ammunition</b>									
14	Cartridges, Tank, 105MM And 120MM, All Types	A	U		413,274		300,368		378,191
<b>Artillery Ammunition</b>									
15	Artillery Cartridges, 75MM & 105MM, All Types	A	U		58,047		21,298		22,957
16	ARTILLERY PROJECTILE, 155MM, All Types		U		1,746,937		150,839		171,657
17	PRECISION ARTILLERY MUNITIONS	A	U		731,046		96,406		71,426
18	Artillery Propellants, Fuzes and Primers, All	A	U		1,620,995		172,947		160,479
<b>Mines</b>									
19	Mines & Clearing Charges, All Types		U		145,102		71,182		56,032



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Department of the Army  
 FY 2025 President's Budget  
 Exhibit P-1 FY 2025 President's Budget  
 Total Obligational Authority  
 2034A Detail

Jan 2024

(Dollars in Thousands)

Appropriation: 2034 Procurement of Ammunition, Army				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
20	Close Terrain Shaping Obstacle	A	U		25,403		55,374		15,303
21	MINE, AT, VOLCANO, All Types	A	U						501
<b>Rockets</b>									
22	Shoulder Launched Munitions, All Types	A	U		41,704		18,630		833
23	Rocket, Hydra 70, All Types	A	U		171,697		87,293		34,302
<b>Other Ammunition</b>									
24	CAD/PAD, All Types	A	U		7,643		6,564		6,571
25	Demolition Munitions, All Types	A	U		40,965		24,238		21,682
26	Grenades, All Types	A	U		72,198		48,374		32,623
27	Signals, All Types	A	U		20,926		23,252		21,510
28	Simulators, All Types	A	U		9,350		11,309		12,168
29	REACTIVE ARMOR TILES	A	U		59,127				

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Department of the Army  
 FY 2025 President's Budget  
 Exhibit P-1 FY 2025 President's Budget  
 Total Obligational Authority  
 2034A Detail  
 (Dollars in Thousands)

Jan 2024

Appropriation: 2034 Procurement of Ammunition, Army				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
<b>Miscellaneous</b>									
30	Ammo Components, All Types	A	U		3,058		3,976		4,085
31	Non-Lethal Ammunition, All Types	A	U				3,281		
32	Items Less Than \$5 Million (AMMO)	A	U		18,105		17,436		16,074
33	Ammunition Peculiar Equipment	A	U		7,375		13,133		3,283
34	First Destination Transportation (AMMO)	A	U		18,313		18,068		18,677
35	Closeout Liabilities		U		81		102		102
<b>Total Ammunition</b>					<b>6,542,173</b>		<b>2,053,634</b>		<b>1,922,691</b>
<b><u>Budget Activity 02: Ammunition production base support</u></b>									
<b>Production Base Support</b>									
36	Industrial Facilities		U		2,127,814		726,135		640,160
37	Conventional Munitions Demilitarization		U		63,370		183,752		135,649
38	ARMS Initiative		U		4,039		4,057		4,140
<b>Total Ammunition production base support</b>					<b>2,195,223</b>		<b>913,944</b>		<b>779,949</b>

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Department of the Army  
 FY 2025 President's Budget  
 Exhibit P-1 FY 2025 President's Budget  
 Total Obligational Authority  
 2034A Detail  
 (Dollars in Thousands)

Jan 2024

Appropriation: 2034 Procurement of Ammunition, Army				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
<u>Budget Activity 20: Undistributed</u>									
Undistributed									
39	Adj to Match Continuing Resolution	A	U				-197,458		
<b>Total Undistributed</b>							<b>-197,458</b>		
<b>Total Procurement of Ammunition, Army</b>					<b>8,737,396</b>		<b>2,770,120</b>		<b>2,702,640</b>



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

***Appropriation 2034A: Procurement of Ammunition, Army***

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
1	01	30	0132E00700	CTG, 5.56MM, All Types.....	Volume 1 - 1
2	01	30	0612E02000	CTG, 7.62MM, All Types.....	Volume 1 - 49
3	01	30	1065E06001	NEXT GENERATION SQUAD WEAPON AMMUNITION.....	Volume 1 - 82
4	01	30	1450EA3000	CTG, Handgun, All Types.....	Volume 1 - 109
5	01	30	1722E08000	CTG, .50 Cal, All Types.....	Volume 1 - 120
6	01	30	2382E08900	CTG, 20mm, All Types.....	Volume 1 - 152
7	01	30	2650E08200	CTG, 25mm, All Types.....	Volume 1 - 160
8	01	30	2938ER8120	CTG, 30mm, All Types.....	Volume 1 - 178
9	01	30	3222ER8001	CTG, 40mm, All Types.....	Volume 1 - 220
10	01	30	8030E80010	CTG, 50MM, All Types.....	Volume 1 - 259
11	01	33	0050E89600	60MM Mortar, All Types.....	Volume 1 - 266
12	01	33	3584E76000	81MM Mortar, All Types.....	Volume 1 - 286
13	01	33	6780E25500	120MM Mortar, All Types.....	Volume 1 - 307
14	01	35	1120E22203	Cartridges, Tank, 105MM And 120MM, All Types.....	Volume 1 - 338
15	01	37	0530E15101	Artillery Cartridges, 75MM & 105MM, All Types.....	Volume 1 - 372
16	01	37	3102E89500	ARTILLERY PROJECTILE, 155MM, All Types.....	Volume 1 - 384

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**Appropriation 2034A: Procurement of Ammunition, Army**

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	01	37	6635F90100	PRECISION ARTILLERY MUNITIONS.....	Volume 1 - 431
18	01	37	8750E27501	Artillery Propellants, Fuzes and Primers, All.....	Volume 1 - 443
19	01	43	0442EA0800	Mines & Clearing Charges, All Types.....	Volume 1 - 500
20	01	43	0612E76740	Close Terrain Shaping Obstacle.....	Volume 1 - 536
21	01	43	7920E72501	MINE, AT, VOLCANO, All Types.....	Volume 1 - 547
22	01	45	2348EA4000	Shoulder Launched Munitions, All Types.....	Volume 1 - 548
23	01	45	3246E37300	Rocket, Hydra 70, All Types.....	Volume 1 - 551
24	01	47	2420E61000	CAD/PAD, All Types.....	Volume 1 - 564
25	01	47	2790E55400	Demolition Munitions, All Types.....	Volume 1 - 573
26	01	47	4582E34000	Grenades, All Types.....	Volume 1 - 629
27	01	47	6038E46900	Signals, All Types.....	Volume 1 - 676
28	01	47	8278E51200	Simulators, All Types.....	Volume 1 - 699
29	01	47	9847E97900	REACTIVE ARMOR TILES.....	Volume 1 - 729
30	01	50	0684EB0016	Ammo Components, All Types.....	Volume 1 - 731
31	01	50	1430E91901	Non-Lethal Ammunition, All Types.....	Volume 1 - 732
32	01	50	2624EA0055	Items Less Than \$5 Million (AMMO).....	Volume 1 - 733
33	01	50	4370EA0575	Ammunition Peculiar Equipment.....	Volume 1 - 749
34	01	50	4758EA0550	First Destination Transportation (AMMO).....	Volume 1 - 750

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***Appropriation 2034A: Procurement of Ammunition, Army***

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<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
35	01	50	9615EA8500	Closeout Liabilities.....	Volume 1 - 753

***Appropriation 2034A: Procurement of Ammunition, Army***

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<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
36	02	10	0572EP1000	Industrial Facilities.....	Volume 1 - 754
37	02	10	4099EP1700	Conventional Munitions Demilitarization.....	Volume 1 - 803
38	02	10	4150EP2500	ARMS Initiative.....	Volume 1 - 811

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

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
120MM Mortar, All Types	6780E25500	13	01	33.....	Volume 1 - 307
60MM Mortar, All Types	0050E89600	11	01	33.....	Volume 1 - 266
81MM Mortar, All Types	3584E76000	12	01	33.....	Volume 1 - 286
ARMS Initiative	4150EP2500	38	02	10.....	Volume 1 - 811
ARTILLERY PROJECTILE, 155MM, All Types	3102E89500	16	01	37.....	Volume 1 - 384
Ammo Components, All Types	0684EB0016	30	01	50.....	Volume 1 - 731
Ammunition Peculiar Equipment	4370EA0575	33	01	50.....	Volume 1 - 749
Artillery Cartridges, 75MM & 105MM, All Types	0530E15101	15	01	37.....	Volume 1 - 372
Artillery Propellants, Fuzes and Primers, All	8750E27501	18	01	37.....	Volume 1 - 443
CAD/PAD, All Types	2420E61000	24	01	47.....	Volume 1 - 564
CTG, .50 Cal, All Types	1722E08000	5	01	30.....	Volume 1 - 120
CTG, 20mm, All Types	2382E08900	6	01	30.....	Volume 1 - 152
CTG, 25mm, All Types	2650E08200	7	01	30.....	Volume 1 - 160
CTG, 30mm, All Types	2938ER8120	8	01	30.....	Volume 1 - 178
CTG, 40mm, All Types	3222ER8001	9	01	30.....	Volume 1 - 220
CTG, 5.56MM, All Types	0132E00700	1	01	30.....	Volume 1 - 1
CTG, 50MM, All Types	8030E80010	10	01	30.....	Volume 1 - 259

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<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
CTG, 7.62MM, All Types	0612E02000	2	01	30.....	Volume 1 - 49
CTG, Handgun, All Types	1450EA3000	4	01	30.....	Volume 1 - 109
Cartridges, Tank, 105MM And 120MM, All Types	1120E22203	14	01	35.....	Volume 1 - 338
Close Terrain Shaping Obstacle	0612E76740	20	01	43.....	Volume 1 - 536
Closeout Liabilities	9615EA8500	35	01	50.....	Volume 1 - 753
Conventional Munitions Demilitarization	4099EP1700	37	02	10.....	Volume 1 - 803
Demolition Munitions, All Types	2790E55400	25	01	47.....	Volume 1 - 573
First Destination Transportation (AMMO)	4758EA0550	34	01	50.....	Volume 1 - 750
Grenades, All Types	4582E34000	26	01	47.....	Volume 1 - 629
Industrial Facilities	0572EP1000	36	02	10.....	Volume 1 - 754
Items Less Than \$5 Million (AMMO)	2624EA0055	32	01	50.....	Volume 1 - 733
MINE, AT, VOLCANO, All Types	7920E72501	21	01	43.....	Volume 1 - 547
Mines & Clearing Charges, All Types	0442EA0800	19	01	43.....	Volume 1 - 500
NEXT GENERATION SQUAD WEAPON AMMUNITION	1065E06001	3	01	30.....	Volume 1 - 82
Non-Lethal Ammunition, All Types	1430E91901	31	01	50.....	Volume 1 - 732
PRECISION ARTILLERY MUNITIONS	6635F90100	17	01	37.....	Volume 1 - 431
REACTIVE ARMOR TILES	9847E97900	29	01	47.....	Volume 1 - 729
Rocket, Hydra 70, All Types	3246E37300	23	01	45.....	Volume 1 - 551
Shoulder Launched Munitions, All Types	2348EA4000	22	01	45.....	Volume 1 - 548
Signals, All Types	6038E46900	27	01	47.....	Volume 1 - 676

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<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Simulators, All Types	8278E51200	28	01	47.....	Volume 1 - 699

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Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army**  
**BA 01: Ammunition / BSA 30: Small/Medium Cal Ammunition**

Cost (\$ in Millions)

Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1	A	0132E00700	CTG, 5.56MM, All Types	-	62.029	-	90.853	-	84.090	-	-	-	84.090
2	A	0612E02000	CTG, 7.62MM, All Types	-	92.406	-	65.370	-	41.519	-	-	-	41.519
3	A	1065E06001	NEXT GENERATION SQUAD WEAPON AMMUNITION	-	96.496	-	191.244	-	205.889	-	-	-	205.889
4	A	1450EA3000	CTG, Handgun, All Types	-	0.317	-	6.597	-	6.461	-	-	-	6.461
5	A	1722E08000	CTG, .50 Cal, All Types	-	108.556	-	41.534	-	50.002	-	-	-	50.002
6	A	2382E08900	CTG, 20mm, All Types	-	21.761	-	7.925	-	7.012	-	-	-	7.012
7	A	2650E08200	CTG, 25mm, All Types	-	455.790	-	38.760	-	24.246	-	-	-	24.246
8	A	2938ER8120	CTG, 30mm, All Types	-	137.209	-	107.805	-	82.965	-	-	-	82.965
9	A	3222ER8001	CTG, 40mm, All Types	-	108.590	-	148.970	-	150.540	-	-	-	150.540
10	A	8030E80010	CTG, 50MM, All Types	-	-	-	28.000	-	20.006	-	-	-	20.006
<b>Total: Ammunition / Small/Medium Cal Ammunition</b>				-	1,083.154	-	727.058	-	672.730	-	0.000	-	672.730

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Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 33: Mortar Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
11	A	0050E89600	60MM Mortar, All Types	-	36.923	-	35.160	-	40.853	-	-	-	40.853
12	A	3584E76000	81MM Mortar, All Types	-	66.781	-	40.562	-	51.282	-	-	-	51.282
13	A	6780E25500	120MM Mortar, All Types	-	143.969	-	106.784	-	109.370	-	-	-	109.370
<b>Total: Ammunition / Mortar Ammunition</b>				-	247.673	-	182.506	-	201.505	-	0.000	-	201.505

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 35: Tank Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
14	A	1120E22203	Cartridges, Tank, 105MM And 120MM, All Types	-	413.274	-	300.368	-	378.191	-	-	-	378.191

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(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 35: Tank Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
<b>Total: Ammunition / Tank Ammunition</b>				-	413.274	-	300.368	-	378.191	-	0.000	-	378.191

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 37: Artillery Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
15	A	0530E15101	Artillery Cartridges, 75MM & 105MM, All Types	-	58.047	-	21.298	-	22.957	-	-	-	22.957
16	A	3102E89500	ARTILLERY PROJECTILE, 155MM, All Types	-	1,746.937	-	150.839	-	171.657	-	-	-	171.657
17	A	6635F90100	PRECISION ARTILLERY MUNITIONS	854	731.046	357	96.406	172	71.426	-	-	172	71.426
18	A	8750E27501	Artillery Propellants, Fuzes and Primers, All	-	1,620.995	-	172.947	-	160.479	-	-	-	160.479

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Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 37: Artillery Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
<b>Total: Ammunition / Artillery Ammunition</b>				-	4,157.025	-	441.490	-	426.519	-	0.000	-	426.519

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 43: Mines**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
19	A	0442EA0800	Mines & Clearing Charges, All Types	-	145.102	-	71.182	-	56.032	-	-	-	56.032
20	A	0612E76740	Close Terrain Shaping Obstacle	-	25.403	-	55.374	-	15.303	-	-	-	15.303
21	A	7920E72501	MINE, AT, VOLCANO, All Types	-	-	-	-	-	0.501	-	-	-	0.501
<b>Total: Ammunition / Mines</b>				-	170.505	-	126.556	-	71.836	-	0.000	-	71.836

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Army • Budget Estimates FY 2025 • Procurement  
Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 45: Rockets**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
22	A	2348EA4000	Shoulder Launched Munitions, All Types	-	41.704	-	18.630	-	0.833	-	-	-	0.833
23	A	3246E37300	Rocket, Hydra 70, All Types	-	171.697	-	87.293	-	34.302	-	-	-	34.302
<b>Total: Ammunition / Rockets</b>				-	213.401	-	105.923	-	35.135	-	0.000	-	35.135

**Appropriation 2034A: Procurement of Ammunition, Army  
BA 01: Ammunition / BSA 47: Other Ammunition**

				Cost (\$ in Millions)									
Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
24	A	2420E61000	CAD/PAD, All Types	-	7.643	-	6.564	-	6.571	-	-	-	6.571

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Army • Budget Estimates FY 2025 • Procurement  
Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army**  
**BA 01: Ammunition / BSA 47: Other Ammunition**

Cost (\$ in Millions)

Line#	Cost Type	Line Item #	Line Item Title	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
25	A	2790E55400	Demolition Munitions, All Types	-	40.965	-	24.238	-	21.682	-	-	-	21.682
26	A	4582E34000	Grenades, All Types	-	72.198	-	48.374	-	32.623	-	-	-	32.623
27	A	6038E46900	Signals, All Types	-	20.926	-	23.252	-	21.510	-	-	-	21.510
28	A	8278E51200	Simulators, All Types	-	9.350	-	11.309	-	12.168	-	-	-	12.168
29	A	9847E97900	REACTIVE ARMOR TILES	-	59.127	-	-	-	-	-	-	-	-
<b>Total: Ammunition / Other Ammunition</b>				-	210.209	-	113.737	-	94.554	-	0.000	-	94.554

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Army • Budget Estimates FY 2025 • Procurement  
Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army**  
**BA 01: Ammunition / BSA 50: Miscellaneous**

Line#	Cost Type	Line Item #	Line Item Title	Cost (\$ in Millions)									
				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
30	A	0684EB0016	Ammo Components, All Types	-	3.058	-	3.976	-	4.085	-	-	-	4.085
31	A	1430E91901	Non-Lethal Ammunition, All Types	-	-	-	3.281	-	-	-	-	-	-
32	A	2624EA0055	Items Less Than \$5 Million (AMMO)	-	18.105	-	17.436	-	16.074	-	-	-	16.074
33	A	4370EA0575	Ammunition Peculiar Equipment	-	7.375	-	13.133	-	3.283	-	-	-	3.283
34	A	4758EA0550	First Destination Transportation (AMMO)	-	18.313	-	18.068	-	18.677	-	-	-	18.677
35	A	9615EA8500	Closeout Liabilities	-	0.081	-	0.102	-	0.102	-	-	-	0.102
<b>Total: Ammunition / Miscellaneous</b>				-	46.932	-	55.996	-	42.221	-	0.000	-	42.221

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Army • Budget Estimates FY 2025 • Procurement  
Exhibit P-1, Procurement Program  
(Listing by Appropriation, then Line Number)

**Appropriation 2034A: Procurement of Ammunition, Army**  
**BA 02: Ammunition Production Base Support / BSA 10: Production Base Support**

Line#	Cost Type	Line Item #	Line Item Title	Cost (\$ in Millions)									
				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
36	A	0572EP1000	Industrial Facilities	-	2,127.814	-	726.135	-	640.160	-	-	-	640.160
37	A	4099EP1700	Conventional Munitions Demilitarization	-	63.370	-	183.752	-	135.649	-	-	-	135.649
38	A	4150EP2500	ARMS Initiative	-	4.039	-	4.057	-	4.140	-	-	-	4.140
<b>Total: Ammunition Production Base Support / Production Base Support</b>				-	2,195.223	-	913.944	-	779.949	-	0.000	-	779.949

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,878.722	62.029	90.853	84.090	-	84.090	130.098	124.241	134.050	134.806	-	3,638.889
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,878.722	62.029	90.853	84.090	-	84.090	130.098	124.241	134.050	134.806	-	3,638.889
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,878.722</b>	<b>62.029</b>	<b>90.853</b>	<b>84.090</b>	<b>-</b>	<b>84.090</b>	<b>130.098</b>	<b>124.241</b>	<b>134.050</b>	<b>134.806</b>	<b>-</b>	<b>3,638.889</b>

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

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

**Description:**

This budget line includes 5.56MM ALL TYPES.

(E01100) 5.56mm Blank, M200, Single Round cartridge consists of a brass cartridge case with primer and propellant sealed with a rosette crimp. This cartridge is used for training and ceremonial purposes without blank firing attachment (BFA) and in M16A2/A4 Series Rifles and M4 Carbine fitted with BFA. This item is Code A, approved for service use.

(E01101) 5.56mm Blank, M200 Linked w/M27 links f/SAW cartridge consists of a brass cartridge case with primer and propellant sealed with a rosette crimp. This cartridge is used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a Blank Firing Adapter, and it is designed to simulate firing during training exercises. This item is Code A, approved for service use.

(E04601) 5.56mm Ball, M855 f/M16A2 Single Ball Cartridge has a steel core and a lead slug surrounded by a copper jacket. The cartridge is used in M16A2/A4 Rifles and M4/M4 Carbines. This cartridge is packed in 10 round clips with bandoleers in standard military can pack. This item is Code A, approved for service use.

(E04607) 5.56mm M855A1 Ball Cartridges and M856A1/XM1201 Tracer Cartridges Enhanced Performance Round (EPR) are linked in a 4-Ball/1-Tracer configuration with the M27 link for use in the M249 Machine Gun. The M855A1 Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. The M856A1 Tracer Cartridge is lead free and provides visible red-light signature through its trajectory. The M856A1 Tracer Cartridge provides visible signature of fire out to 900 meters. The XM1201 EPR Tracer Cartridge has a steel penetrator and provides a visible light signature through its trajectory with a limited view during its early trajectory, providing visible signature of fire out to 900 meters and a limited view visible signature, to the shooter only, for first 300 meters. This item is Code A, approved for service use.

(E04608) 5.56mm Tracer, M856A1 Single Round Bullet is lead free and provides a visible red light signature through its trajectory. The bullet is used in M16 and M4 Rifles/Carbines. This item is Code A, approved for service use.

(E95200) 5.56mm, M855A1 Ball Cartridge is linked with the M27 link for use in the M249 Machine Gun. The M855A1 Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. This item is Code A, approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E95400) 5.56mm, M855A1 Ball Cartridge has a steel penetrator and lead free slug surrounded by a copper jacket. The cartridge is used in M16A2/A4 Rifles and M4/M4A1 Carbines. This cartridge is packed in 10 round clips with bandoleers in standard military can pack. This item is Code A, approved for service use.</p> <p>(E95700) 5.56mm, M855A1 Ball Cartridge has a steel penetrator and lead-free slug surrounded by a copper jacket. The cartridge is used in M16A2/A4 Rifles and M4/M4A1 Carbines. This cartridge is packed in 10 round clips without bandoleer in standard military can pack. This item is Code A, approved for service use.</p> <p>(E96110) 5.56mm Marking Blue, M1042 is used for force-on-force training engagements. The cartridge can be fired with the existing M4 Carbine and M16A2/A3/A4 Rifles with the use of a conversion bolt. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. It differs from paintball in that it is a full, complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. In FY 2021, this item transitioned to a lead free version under the new DODIC AC39. This item is Code A, approved for service use.</p> <p>(E96111) 5.56mm Marking Red, M1042 is used for force-on-force training engagements. The cartridge can be fired with the existing M4 Carbine and the M16A2/A3/A4 Rifles with the use of a conversion bolt. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. It differs from paintball in that it is a full, complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. In FY 2021, this item transitioned to a lead free version under the new DODIC AC40. This item is Code A, approved for service use.</p> <p>(E96120) 5.56mm Marking Blue, M1071 is used for force-on-force training engagements. The cartridge can be fired with the existing M249 Squad Automatic Weapon with the use of the conversion kit. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. It differs from paintball in that it is a full, complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. In FY 2021, this item transitioned to a lead free version under the new DODIC AC42. This item is Code A, approved for service use.</p> <p>(E96121) 5.56mm Marking Red, M1071 is used for force-on-force training engagements. The cartridge can be fired with the existing M249 Squad Automatic Weapon with the use of the conversion kit. The projectile leaves a mark upon impact (similar to paintball), thus enabling after action evaluation of training scenarios. It differs from paintball in that it is a full, complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. In FY 2021, this item transitioned to a lead free version under the new DODIC AC43. This item is Code A, approved for service use.</p> <p>(E96125) 5.56mm Short Range Training M1037 clipped cartridge will be used in live fire training scenarios. The M1037 clipped cartridge permits training in adjacent training areas due to its reduced Surface Danger Zone (SDZ) and can be fired with existing M4 weapons. This cartridge is used for Military Operations/Urban Terrain (MOUT) operational training. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
0132E00700 / CTG, 5.56MM, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]	P-5a, P-21	A		- / 563.757	- / 2.145	- / 8.166	- / 11.197	- / -	- / 11.197
P-5	E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]	P-5a, P-21	A		- / 231.992	- / 4.310	- / 7.476	- / 7.674	- / -	- / 7.674
P-5	E04601 / CTG, 5.56mm Ball, M855 f/M16A2		A		- / 750.380	- / 6.270	- / -	- / -	- / -	- / -
P-5	E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 /1 TR M856A1 Linked [AB73]	P-5a, P-21	A		- / 89.527	- / 4.993	- / 14.960	- / 12.404	- / -	- / 12.404
P-5	E04608 / CTG, 5.56mm Tracer, M856A1 Single Round [AB74]	P-5a	A		- / 11.117	- / 0.838	- / 0.031	- / -	- / -	- / -
P-5	E95200 / CTG, 5.56mm EPR Ball, M855A1 w/M27 Link f/SAW [AB56]	P-5a	A		- / 33.162	- / 1.458	- / 4.564	- / 4.664	- / -	- / 4.664
P-5	E95400 / CTG, 5.56mm Ball, M855A1 EPR, Clipped Mil Pack [AB57]	P-5a	A		- / 851.315	- / 2.460	- / 0.500	- / 0.524	- / -	- / 0.524
P-5	E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]	P-5a, P-21	A		- / 276.807	- / 32.353	- / 49.043	- / 39.808	- / -	- / 39.808
P-5	E96110 / CTG, 5.56mm Marking, M1042 (Blue) [AC39]	P-5a	A		- / 28.240	- / 2.066	- / 2.388	- / 2.953	- / -	- / 2.953
P-5	E96111 / CTG, 5.56mm Marking, M1042 (Red) [AC40]	P-5a	A		- / 16.018	- / 1.385	- / 0.899	- / 1.763	- / -	- / 1.763
P-5	E96120 / CTG, 5.56mm Marking, M1071 (Blue) Linked f/SAW [AC42]	P-5a	A		- / 6.736	- / 0.500	- / 0.258	- / 0.906	- / -	- / 0.906
P-5	E96121 / CTG, 5.56mm Marking, M1071 (Red) Linked f/SAW [AC43]	P-5a	A		- / 5.428	- / 0.616	- / 0.010	- / 0.694	- / -	- / 0.694
P-5	E96125 / Ctg, 5.56mm, Short Range Training, M1037, sngl rd [AB67]	P-5a	A		- / 14.243	- / 2.635	- / 2.558	- / 1.503	- / -	- / 1.503
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,878.722</b>	<b>- / 62.029</b>	<b>- / 90.853</b>	<b>- / 84.090</b>	<b>- / -</b>	<b>- / 84.090</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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

The FY 2025 Base Budget supports the Minimum Sustaining Rates at both Lake City Army Ammunition Plant (LCAAP) as well as the Second Source facility in Oxford, MS.

FY 2025 Total Base dollars in the amount of \$84.090 million supports the procurement of 169.194 million cartridges.

The FY 2023 actuals for base include \$9.311 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E01100) 5.56mm, Blank, M200, Single Round cartridge is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$11.197 million support the procurement of 39.410 million M200 Blank Cartridges.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Type classification date: prior to 1977</p> <p>(E01101) 5.56mm, Blank, M200 Linked F/SAW is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$7.674 million support the procurement of 17.422 million M200 Blank Linked Cartridges. Type classification date: prior to 1977</p> <p>(E04601) 5.56mm Ball, M855 F/M16A2 is a training standard item used in training and combat. The request supports Annual training and builds a war reserve in accordance with the Army's procurement goal. Type classification date: 1982</p> <p>(E04607) 5.56mm M855A1 Ball and M856A1/XM1201 Tracer Cartridges are training standard items used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$12.404 million support the procurement of 17.247 million M855A1 Ball and M856A1/XM1201 Tracer Cartridges. FY 2025 Base dollars in the amount of \$0.138 million support the COCOM requirement for procurement of 0.194 million M855A1 Ball and M856A1/XM1201 Tracer Cartridges to deter potential adversaries and support European Deterrence Initiative. Type classification date: 2008</p> <p>(E04608) 5.56mm Tracer, M856A1, Single Round Bullet is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. Type classification date: 1982</p> <p>(E95200) 5.56mm, M855A1 Ball Cartridge is linked with the M27 link and is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$4.664 million support the procurement of 7.356 million M855A1 Ball Cartridges linked with the M27 link. Type classification date: 1982</p> <p>(E95400) 5.56mm, M855A1 Ball Cartridge is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.524 million support the procurement of 0.655 million M855A1 Ball Cartridges. Type classification date: 1982</p> <p>(E95700) 5.56mm, M855A1 Ball Cartridge is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$39.808 million support the procurement of 78.978 million M855A1 Ball Cartridges. Type classification date: 1982</p> <p>(E96110) 5.56mm, Marking, M1042 Blue is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$2.953 million support the procurement of 3.470 million Marking Blue M1042 Cartridges. Type classification date: May 2009</p> <p>(E96111) 5.56mm Marking, M1042 Red is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.763 million support the procurement of 2.072 million of the Marking Red M1042 Cartridges. Type classification date: May 2009</p> <p>(E96120) 5.56mm, Marking Blue, M1071 is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.906 million support the procurement of 0.759 million of the Marking Blue M1071 Cartridges. Type classification date: May 2009</p>		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

(E96121) 5.56mm, Marking Red, M1071 is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.694 million support the procurement of 0.594 million of the Marking Red M1071 Cartridges.  
Type classification date: May 2009

(E96125) 5.56mm Short Range Training Ammunition (SRTA) M1037 clipped cartridges is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.503 million support the procurement of 1.037 million of the clipped SRTA M1037 Cartridges.  
Type classification date: July 2012

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	563.757	2.145	8.166	11.197	-	11.197
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	563.757	2.145	8.166	11.197	-	11.197
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>563.757</b>	<b>2.145</b>	<b>8.166</b>	<b>11.197</b>	<b>-</b>	<b>11.197</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	4.37	121,724K	531.324	0.25	7,961,760	1.990	0.25	30,277,505	7.569	0.26	39,409,827	10.247	-	-	-	0.26	39,409,827	10.247
<i>Subtotal: Recurring Cost</i>	-	-	531.324	-	-	1.990	-	-	7.569	-	-	10.247	-	-	-	-	-	10.247
<i>Subtotal: Hardware Cost</i>	-	-	<b>531.324</b>	-	-	<b>1.990</b>	-	-	<b>7.569</b>	-	-	<b>10.247</b>	-	-	-	-	-	<b>10.247</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	32.345	-	-	0.152	-	-	0.595	-	-	0.946	-	-	-	-	-	0.946
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>32.345</b>	-	-	<b>0.152</b>	-	-	<b>0.595</b>	-	-	<b>0.946</b>	-	-	-	-	-	<b>0.946</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.055	-	-	0.002	-	-	0.002	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.055</b>	-	-	<b>0.002</b>	-	-	<b>0.002</b>	-	-	<b>0.004</b>	-	-	-	-	-	<b>0.004</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>563.757</b>	-	-	<b>2.145</b>	-	-	<b>8.166</b>	-	-	<b>11.197</b>	-	-	-	-	-	<b>11.197</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]					

Cost Elements	O 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
Complete Round <sup>(†)</sup>		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2023	1,172,111	0.25	Y		
Complete Round <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2023	6,789,649	0.22	Y		
Complete Round <sup>(†)</sup>		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	4,541,626	0.25	Y		
Complete Round <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	25,735,879	0.25	Y		
Complete Round <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	33,498,353	0.26	Y		
Complete Round <sup>(†)</sup>		2025	OLIN WINCHESTER LLC / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	5,911,474	0.26	Y		

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

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

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Exhibit P-21, Production Schedule: PB 2025 Army Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30

P-1 Line Item Number / Title: 0132E00700 / CTG, 5.56MM, All Types

Item Number / Title [DODIC]: E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]

Cost Elements (Units in Millions, * = < 500)				Fiscal Year 2023														Fiscal Year 2024												BALANCE		
O C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

Complete Round																															
Prior Years Deliveries: 121723622																															
1	2023	ARMY	1.172	.000	1.172																										.000
2	2023	AF (+)	1.963	.000	1.963																										.000
2	2023	ARMY	6.790	.000	6.790																										.000
2	2023	NSOF (+)	.944	.000	.944																										.000
<b>2</b>	<b>2023</b>	<b>Total</b>	<b>9.697</b>	<b>.000</b>	<b>9.697</b>																										<b>.000</b>
1	2024	ARMY	4.542	.000	4.542																										4.163
2	2024	AF (+)	1.954	.000	1.954																										1.792
2	2024	ARMY	25.736	.000	25.736																										23.591
2	2024	NSOF (+)	1.302	.000	1.302																										1.194
<b>2</b>	<b>2024</b>	<b>Total</b>	<b>28.993</b>	<b>.000</b>	<b>28.993</b>																										<b>26.577</b>
2	2025	AF (+)	1.879	.000	1.879																										1.879
2	2025	ARMY	33.498	.000	33.498																										33.498
2	2025	MC (+)	5.582	.000	5.582																										5.582
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>40.960</b>	<b>.000</b>	<b>40.960</b>																										<b>40.960</b>
3	2025	ARMY	5.911	.000	5.911																										5.911

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

<b>Exhibit P-21, Production Schedule: PB 2025 Army</b>															<b>Date: March 2024</b>														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
Complete Round																																				
Prior Years Deliveries: 121723622																																				
1	2023	ARMY		1.172	1.172	.000																														.000
2	2023	AF (+)		1.963	1.963	.000																														.000
2	2023	ARMY		6.790	6.790	.000																														.000
2	2023	NSOF (+)		.944	.944	.000																														.000
<b>2</b>	<b>2023</b>	<b>Total</b>		<b>9.697</b>	<b>9.697</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2024	ARMY		4.542	.379	4.163	.379	.379	.379	.379	.379	.379	.379	.379	.379	.379																				.000
2	2024	AF (+)		1.954	.163	1.792	.163	.163	.163	.163	.163	.163	.163	.163	.163	.163																			.000	
2	2024	ARMY		25.736	2.145	23.591	2.145	2.145	2.145	2.145	2.145	2.145	2.145	2.145	2.145	2.145																			.000	
2	2024	NSOF (+)		1.302	.109	1.194	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109																			.000	
<b>2</b>	<b>2024</b>	<b>Total</b>		<b>28.993</b>	<b>2.416</b>	<b>26.577</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	<b>2.416</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
2	2025	AF (+)		1.879	.000	1.879											.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157	.157		.000	
2	2025	ARMY		33.498	.000	33.498																													16.749	
2	2025	MC (+)		5.582	.000	5.582											.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465	.465		.000		
<b>2</b>	<b>2025</b>	<b>Total</b>		<b>40.960</b>	<b>.000</b>	<b>40.960</b>											<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>.622</b>	<b>2.792</b>	<b>16.749</b>			
3	2025	ARMY		5.911	.000	5.911																													2.975	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE						
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P					
Complete Round																																				
Prior Years Deliveries: 121723622																																				
1	2023	ARMY		1.172	1.172	.000																														.000
2	2023	AF (+)		1.963	1.963	.000																														.000
2	2023	ARMY		6.790	6.790	.000																														.000
2	2023	NSOF (+)		.944	.944	.000																														.000
<b>2</b>	<b>2023</b>	<b>Total</b>		<b>9.697</b>	<b>9.697</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2024	ARMY		4.542	4.542	.000																														.000
2	2024	AF (+)		1.954	1.954	.000																														.000
2	2024	ARMY		25.736	25.736	.000																														.000
2	2024	NSOF (+)		1.302	1.302	.000																														.000
<b>2</b>	<b>2024</b>	<b>Total</b>		<b>28.993</b>	<b>28.993</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
2	2025	AF (+)		1.879	1.879	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.000
2	2025	ARMY		33.498	16.749	16.749	2.792	2.792	2.792	2.792	2.792	2.792																								.000
2	2025	MC (+)		5.582	5.582	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.000
<b>2</b>	<b>2025</b>	<b>Total</b>		<b>40.960</b>	<b>24.211</b>	<b>16.749</b>	<b>2.792</b>	<b>2.792</b>	<b>2.792</b>	<b>2.792</b>	<b>2.792</b>	<b>2.792</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
3	2025	ARMY		5.911	2.936	2.975	.500	.500	.500	.500	.500	.475																								.000
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
<b>Item Number / Title [DODIC]:</b> E01100 / CTG, 5.56mm Blank, M200, Single Round [A080]		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN CORPORATION WINCHESTER - OXFORD, MS	2,280	13,700,000	41,000,000	6	6	12	18	6	6	6	12
2	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	2,280	13,700,000	41,000,000	6	6	12	18	6	6	13	19
3	OLIN WINCHESTER LLC - OXFORD, MS	2,280	13,700,000	41,000,000	6	6	12	18	6	6	13	19

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	231.992	4.310	7.476	7.674	-	7.674
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	231.992	4.310	7.476	7.674	-	7.674
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>231.992</b>	<b>4.310</b>	<b>7.476</b>	<b>7.674</b>	<b>-</b>	<b>7.674</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	0.23	1,018,754K	230.114	0.39	10,577,705	4.125	0.39	17,851,062	6.962	0.40	17,422,057	6.969	-	-	-	0.40	17,422,057	6.969
Subtotal: Recurring Cost	-	-	230.238	-	-	4.125	-	-	6.962	-	-	6.969	-	-	-	-	-	6.969
Subtotal: Hardware Cost	-	-	<b>230.238</b>	-	-	<b>4.125</b>	-	-	<b>6.962</b>	-	-	<b>6.969</b>	-	-	-	-	-	<b>6.969</b>
<b>Support - Product Improvement Cost</b>																		
Environmental Initiatives	-	-	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.135</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.707	-	-	0.207	-	-	0.510	-	-	0.696	-	-	-	-	-	0.696
Subtotal: Support - Production Engineering Cost	-	-	<b>1.707</b>	-	-	<b>0.207</b>	-	-	<b>0.510</b>	-	-	<b>0.696</b>	-	-	-	-	-	<b>0.696</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.028	-	-	0.005	-	-	0.004	-	-	0.009	-	-	-	-	-	0.009
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.028</b>	-	-	<b>0.005</b>	-	-	<b>0.004</b>	-	-	<b>0.009</b>	-	-	-	-	-	<b>0.009</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>231.992</b>	-	-	<b>4.310</b>	-	-	<b>7.476</b>	-	-	<b>7.674</b>	-	-	-	-	-	<b>7.674</b>

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



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	10,577,705	0.39	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	17,851,062	0.39	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	17,422,057	0.40	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army						<b>Date:</b> March 2024									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types						<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]					

Cost Elements <small>(Units in Millions, * = &lt; 500)</small>						Fiscal Year 2023										Fiscal Year 2024										B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024										
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY

COMPLETE ROUND																																			
Prior Years Deliveries: 1018754128																																			
1	2023	ARMY	10.578	.000	10.578				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.881	.881	.881	.881	.881	.881	5.289
1	2024	AF (+)	1.234	.000	1.234																A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1.234
1	2024	ARMY	17.851	.000	17.851																A -	-	-	-	-	-	-	-	-	-	-	-	-	-	17.851
1	2024	<b>Total</b>	<b>19.085</b>	<b>.000</b>	<b>19.085</b>																-	-	-	-	-	-	-	-	-	-	-	-	-	<b>19.085</b>	
1	2025	AF (+)	.238	.000	.238																														.238
1	2025	ARMY	17.422	.000	17.422																														17.422
1	2025	<b>Total</b>	<b>17.660</b>	<b>.000</b>	<b>17.660</b>																														<b>17.660</b>

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 1018754128																																					
1	2023	ARMY		10.578	5.289	5.289	.881	.881	.881	.881	.881	.881																						.000			
1	2024	AF (+)		1.234	.000	1.234	-	-	-	-	-	-	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103	.103					.000				
1	2024	ARMY		17.851	.000	17.851	-	-	-	-	-	-	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488					.000				
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>19.085</b>	<b>.000</b>	<b>19.085</b>	-	-	-	-	-	-	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>	<b>1.590</b>					<b>.000</b>					
1	2025	AF (+)		.238	.000	.238							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.020	.020	.020	.020	.020	.020	.119			
1	2025	ARMY		17.422	.000	17.422							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.452	1.452	1.452	1.452	1.452	1.452	8.711			
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>17.660</b>	<b>.000</b>	<b>17.660</b>							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>8.830</b>			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
<b>COMPLETE ROUND</b>																															
Prior Years Deliveries: 1018754128																															
1	2023	ARMY		10.578	10.578	.000																								.000	
1	2024	AF (†)		1.234	1.234	.000																								.000	
1	2024	ARMY		17.851	17.851	.000																								.000	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>19.085</b>	<b>19.085</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2025	AF (†)		.238	.119	.119	.020	.020	.020	.020	.020	.020																		.000	
1	2025	ARMY		17.422	8.711	8.711	1.452	1.452	1.452	1.452	1.452	1.452																		.000	
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>17.660</b>	<b>8.830</b>	<b>8.830</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	<b>1.472</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E01101 / CTG, 5.56mm Blank, M200 Linked f/SAW [A075]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	1,600	14,100,000	48,700,000	6	6	12	18	6	6	13	19

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E04601 / CTG, 5.56mm Ball, M855 f/ M16A2

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	750.380	6.270	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	750.380	6.270	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>750.380</b>	<b>6.270</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	50.03	15,000,000	750.375	0.34	18,349,429	6.270	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	750.375	-	-	6.270	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	750.375	-	-	6.270	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>750.380</b>	-	-	<b>6.270</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 / 1 TR M856A1 Linked [AB73]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	89.527	4.993	14.960	12.404	-	12.404
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	89.527	4.993	14.960	12.404	-	12.404
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>89.527</b>	<b>4.993</b>	<b>14.960</b>	<b>12.404</b>	<b>-</b>	<b>12.404</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	0.35	242,067K	85.587	0.60	8,005,074	4.810	0.65	21,958,673	14.273	0.66	17,440,614	11.511	-	-	-	0.66	17,440,614	11.511
<i>Subtotal: Recurring Cost</i>	-	-	85.692	-	-	4.816	-	-	14.273	-	-	11.511	-	-	-	-	-	11.511
<i>Subtotal: Hardware Cost</i>	-	-	<b>85.692</b>	-	-	<b>4.816</b>	-	-	<b>14.273</b>	-	-	<b>11.511</b>	-	-	-	-	-	<b>11.511</b>
<b>Support - Product Improvement Cost</b>																		
Production Verification Test	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>0.005</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.923	-	-	0.172	-	-	0.682	-	-	0.888	-	-	-	-	-	0.888
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.923</b>	-	-	<b>0.172</b>	-	-	<b>0.682</b>	-	-	<b>0.888</b>	-	-	-	-	-	<b>0.888</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.051	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.051</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	-	-	-	<b>0.005</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>89.527</b>	-	-	<b>4.993</b>	-	-	<b>14.960</b>	-	-	<b>12.404</b>	-	-	-	-	-	<b>12.404</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 / 1 TR M856A1 Linked [AB73]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	8,005,074	0.60	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	21,958,673	0.65	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	17,440,614	0.66	Y		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 / 1 TR M856A1 Linked [AB73]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025													Fiscal Year 2026													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
Prior Years Deliveries: 242066774																																	
1	2023	AF (†)		.770	.385	.385	.064	.064	.064	.064	.064	.064																		.000			
1	2023	ARMY		8.005	4.003	4.003	.667	.667	.667	.667	.667	.667																		.000			
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>8.775</b>	<b>4.387</b>	<b>4.387</b>	<b>.731</b>	<b>.731</b>	<b>.731</b>	<b>.731</b>	<b>.731</b>	<b>.731</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
1	2024	AF (†)		.759	.000	.759	-	-	-	-	-	-	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063	.063						.000			
1	2024	ARMY		21.959	.000	21.959	-	-	-	-	-	-	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830					.000				
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>22.717</b>	<b>.000</b>	<b>22.717</b>	-	-	-	-	-	-	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>	<b>1.893</b>					<b>.000</b>				
1	2025	AF (†)		.736	.000	.736							A -	-	-	-	-	-	-	-	-	-	-	-	.061	.061	.061	.061	.061	.061	.368		
1	2025	ARMY		17.441	.000	17.441							A -	-	-	-	-	-	-	-	-	-	-	-	1.453	1.453	1.453	1.453	1.453	1.453	8.720		
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>18.177</b>	<b>.000</b>	<b>18.177</b>							-	-	-	-	-	-	-	-	-	-	-	-	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>9.088</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 / 1 TR M856A1 Linked [AB73]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P			
COMPLETE ROUND																																		
Prior Years Deliveries: 242066774																																		
1	2023	AF (†)		.770	.770	.000																												.000
1	2023	ARMY		8.005	8.005	.000																												.000
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>8.775</b>	<b>8.775</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2024	AF (†)		.759	.759	.000																											.000	
1	2024	ARMY		21.959	21.959	.000																											.000	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>22.717</b>	<b>22.717</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2025	AF (†)		.736	.368	.368	.061	.061	.061	.061	.061	.061																					.000	
1	2025	ARMY		17.441	8.720	8.720	1.453	1.453	1.453	1.453	1.453	1.453																					.000	
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>18.177</b>	<b>9.088</b>	<b>9.088</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	<b>1.515</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E04607 / CTG, 5.56mm 4 Ball EPR, M855A1 / 1 TR M856A1 Linked [AB73]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	1,600	5,143,040	9,771,776	6	6	12	18	6	6	13	19

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

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

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E04608 / CTG, 5.56mm Tracer, M856A1 Single Round [AB74]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	11.117	0.838	0.031	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	11.117	0.838	0.031	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>11.117</b>	<b>0.838</b>	<b>0.031</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	5.65	1,833,647	10.355	0.80	1,022,797	0.818	0.81	30,547	0.025	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	10.355	-	-	0.818	-	-	0.025	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	10.355	-	-	0.818	-	-	0.025	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.758	-	-	0.013	-	-	0.002	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	0.758	-	-	0.013	-	-	0.002	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.004	-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	0.004	-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	11.117	-	-	0.838	-	-	0.031	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E04608 / CTG, 5.56mm Tracer, M856A1 Single Round [AB74]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	1,022,797	0.80	Y		
Complete Round		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	30,547	0.81	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E95200 / CTG, 5.56mm EPR Ball, M855A1 w/M27 Link f/SAW [AB56]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	33.162	1.458	4.564	4.664	-	4.664
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	33.162	1.458	4.564	4.664	-	4.664
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>33.162</b>	<b>1.458</b>	<b>4.564</b>	<b>4.664</b>	<b>-</b>	<b>4.664</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	0.37	82,122,126	30.085	0.57	2,464,916	1.405	0.57	7,515,915	4.284	0.59	7,355,846	4.340	-	-	-	0.59	7,355,846	4.340
<i>Subtotal: Recurring Cost</i>	-	-	30.057	-	-	1.405	-	-	4.284	-	-	4.340	-	-	-	-	-	4.340
<i>Subtotal: Hardware Cost</i>	-	-	30.057	-	-	1.405	-	-	4.284	-	-	4.340	-	-	-	-	-	4.340
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.030	-	-	0.055	-	-	0.276	-	-	0.288	-	-	-	-	-	0.288
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	3.030	-	-	0.055	-	-	0.276	-	-	0.288	-	-	-	-	-	0.288
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.027	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.027	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	-	-	33.162	-	-	1.458	-	-	4.564	-	-	4.664	-	-	-	-	-	4.664

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E95200 / CTG, 5.56mm EPR Ball, M855A1 w/M27 Link f/SAW [AB56]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	2,095,179	0.57	Y		
Complete Round		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	369,737	0.57	Y		
Complete Round		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	6,388,528	0.57	Y		
Complete Round		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	1,127,387	0.57	Y		
Complete Round		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	6,252,469	0.59	Y		
Complete Round		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	1,103,377	0.59	Y		

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E95400 / CTG, 5.56mm Ball, M855A1 EPR, Clipped Mil Pack [AB57]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				851.315	2.460	0.500	0.524	-	0.524
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				851.315	2.460	0.500	0.524	-	0.524
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>851.315</b>	<b>2.460</b>	<b>0.500</b>	<b>0.524</b>	-	<b>0.524</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round(†)	12.39	67,194,371	832.605	0.47	4,653,234	2.187	0.47	652,024	0.306	0.48	654,507	0.314	-	-	-	0.48	654,507	0.314
Subtotal: Recurring Cost	-	-	832.605	-	-	2.187	-	-	0.306	-	-	0.314	-	-	-	-	-	0.314
Subtotal: Hardware Cost	-	-	<b>832.605</b>	-	-	<b>2.187</b>	-	-	<b>0.306</b>	-	-	<b>0.314</b>	-	-	-	-	-	<b>0.314</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.235	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.235</b>	-	-	-	-	-	-	-	-	<b>0.175</b>	-	-	-	-	-	<b>0.175</b>
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	0.118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Engineering Change Proposals Cost	-	-	<b>0.118</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Environmental Initiatives	-	-	1.354	-	-	-	-	-	0.169	-	-	-	-	-	-	-	-	-
Reliability	-	-	-	-	-	0.124	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>1.354</b>	-	-	<b>0.124</b>	-	-	<b>0.169</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	16.995	-	-	0.146	-	-	0.024	-	-	0.031	-	-	-	-	-	0.031

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E95400 / CTG, 5.56mm Ball, M855A1 EPR, Clipped Mil Pack [AB57]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	16.995	-	-	0.146	-	-	0.024	-	-	0.031	-	-	-	-	-	0.031
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.041	-	-	0.004	-	-	0.001	-	-	0.002	-	-	-	-	-	0.002
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.041	-	-	0.004	-	-	0.001	-	-	0.002	-	-	-	-	-	0.002
<b>Gross/Weapon System Cost</b>	-	-	851.315	-	-	2.460	-	-	0.500	-	-	0.524	-	-	-	-	-	0.524

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E95400 / CTG, 5.56mm Ball, M855A1 EPR, Clipped Mil Pack [AB57]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	697,985	0.47	Y		
Complete Round		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	3,955,249	0.47	Y		
Complete Round		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	97,804	0.47	Y		
Complete Round		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	554,220	0.47	Y		
Complete Round		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	98,176	0.48	Y		
Complete Round		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	556,331	0.48	Y		

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				276.807	32.353	49.043	39.808	-	39.808
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				276.807	32.353	49.043	39.808	-	39.808
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>276.807</b>	<b>32.353</b>	<b>49.043</b>	<b>39.808</b>	-	<b>39.808</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	0.97	267,316K	258.762	0.44	67,258,515	29.594	0.45	101,660K	45.747	0.46	78,978,245	36.330	-	-	-	0.46	78,978,245	36.330
Subtotal: Recurring Cost	-	-	258.762	-	-	29.594	-	-	45.747	-	-	36.330	-	-	-	-	-	36.330
Subtotal: Hardware Cost	-	-	<b>258.762</b>	-	-	<b>29.594</b>	-	-	<b>45.747</b>	-	-	<b>36.330</b>	-	-	-	-	-	<b>36.330</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.010	-	-	0.061	-	-	0.055	-	-	0.060	-	-	-	-	-	0.060
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.010</b>	-	-	<b>0.061</b>	-	-	<b>0.055</b>	-	-	<b>0.060</b>	-	-	-	-	-	<b>0.060</b>
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	0.202	-	-	-	-	-	-	-	-	0.323	-	-	-	-	-	0.323
Subtotal: Support - Engineering Change Proposals Cost	-	-	<b>0.202</b>	-	-	-	-	-	-	-	-	<b>0.323</b>	-	-	-	-	-	<b>0.323</b>
Support - Product Improvement Cost																		
Environmental Initiatives	-	-	0.919	-	-	0.178	-	-	0.169	-	-	0.175	-	-	-	-	-	0.175
Safety	-	-	-	-	-	0.140	-	-	0.280	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.919</b>	-	-	<b>0.318</b>	-	-	<b>0.449</b>	-	-	<b>0.175</b>	-	-	-	-	-	<b>0.175</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	16.870	-	-	2.371	-	-	2.783	-	-	2.911	-	-	-	-	-	2.911

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	16.870	-	-	2.371	-	-	2.783	-	-	2.911	-	-	-	-	-	2.911
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.073	-	-	0.009	-	-	0.009	-	-	0.010	-	-	-	-	-	0.010
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.073	-	-	0.009	-	-	0.009	-	-	0.010	-	-	-	-	-	0.010
<b>Gross/Weapon System Cost</b>	-	-	276.807	-	-	32.353	-	-	49.043	-	-	39.808	-	-	-	-	-	39.808

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types				<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	67,258,515	0.44	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	101,660K	0.45	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Apr 2026	78,978,245	0.46	Y		

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

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Exhibit P-21, Production Schedule: PB 2025 Army

Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity:  
2034A / 01 / 30

P-1 Line Item Number / Title:  
0132E00700 / CTG, 5.56MM, All Types

Item Number / Title [DODIC]:  
E95700 / CTG, 5.56mm Ball, M855A1  
Clipped Bulk Pack [AB77]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2023												Fiscal Year 2024												B A L A N C E	
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 2	B A L D U E A S O F 1 O C T	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P

COMPLETE ROUND

Prior Years Deliveries: 267315675

1	2023	ARMY	67.259	.000	67.259					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.605	5.605	5.605	5.605	5.605	5.605	33.629
1	2024	ARMY	101.660	.000	101.660																																101.660	
1	2025	ARMY	78.978	.000	78.978																																78.978	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																																		
Prior Years Deliveries: 267315675																																		
1	2023	ARMY	67.259	33.629	33.629	5.605	5.605	5.605	5.605	5.605	5.605																							.000
1	2024	ARMY	101.660	.000	101.660	-	-	-	-	-	-	8.472	8.472	8.472	8.472	8.472	8.472	8.472	8.472	8.472	8.472	8.472	8.472										.000	
1	2025	ARMY	78.978	.000	78.978							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.489	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types										<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027															Fiscal Year 2028															BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

<b>COMPLETE ROUND</b>																																				
Prior Years Deliveries: 267315675																																				
1	2023	ARMY	67.259	67.259	.000																															.000
1	2024	ARMY	101.660	101.660	.000																															.000
1	2025	ARMY	78.978	39.489	39.489	6.582	6.582	6.582	6.582	6.582	6.582																									.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E95700 / CTG, 5.56mm Ball, M855A1 Clipped Bulk Pack [AB77]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	900	19,400,000	67,500,000	6	6	12	18	6	6	13	19

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E96110 / CTG, 5.56mm Marking, M1042 (Blue) [AC39]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	28.240	2.066	2.388	2.953	-	2.953
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	28.240	2.066	2.388	2.953	-	2.953
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>28.240</b>	<b>2.066</b>	<b>2.388</b>	<b>2.953</b>	<b>-</b>	<b>2.953</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(t)</sup>	0.71	36,198,002	25.718	0.92	2,188,226	2.013	0.94	2,420,395	2.275	0.80	3,470,020	2.776	-	-	-	0.80	3,470,020	2.776
Subtotal: Recurring Cost	-	-	25.701	-	-	2.013	-	-	2.275	-	-	2.776	-	-	-	-	-	2.776
Subtotal: Hardware Cost	-	-	25.701	-	-	2.013	-	-	2.275	-	-	2.776	-	-	-	-	-	2.776
Support - Production Engineering Cost																		
Production Engineering	-	-	2.522	-	-	0.053	-	-	0.113	-	-	0.163	-	-	-	-	-	0.163
Subtotal: Support - Production Engineering Cost	-	-	2.522	-	-	0.053	-	-	0.113	-	-	0.163	-	-	-	-	-	0.163
<b>Gross/Weapon System Cost</b>	-	-	<b>28.240</b>	-	-	<b>2.066</b>	-	-	<b>2.388</b>	-	-	<b>2.953</b>	-	-	-	-	-	<b>2.953</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types					<b>Item Number / Title [DODIC]:</b> E96110 / CTG, 5.56mm Marking, M1042 (Blue) [AC39]				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2023	Aug 2024	2,188,226	0.92	Y		
Complete Round		2024	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2024	Aug 2025	2,420,395	0.94	Y		
Complete Round		2025	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2025	Aug 2026	3,470,020	0.80	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E96111 / CTG, 5.56mm Marking, M1042 (Red) [AC40]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.018	1.385	0.899	1.763	-	1.763
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	16.018	1.385	0.899	1.763	-	1.763
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>16.018</b>	<b>1.385</b>	<b>0.899</b>	<b>1.763</b>	<b>-</b>	<b>1.763</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(t)</sup>	0.70	21,646,629	15.188	0.92	1,473,161	1.355	0.94	911,195	0.857	0.80	2,071,664	1.657	-	-	-	0.80	2,071,664	1.657
<i>Subtotal: Recurring Cost</i>	-	-	15.153	-	-	1.355	-	-	0.857	-	-	1.657	-	-	-	-	-	1.657
<i>Subtotal: Hardware Cost</i>	-	-	15.153	-	-	1.355	-	-	0.857	-	-	1.657	-	-	-	-	-	1.657
Support - Production Engineering Cost																		
Production Engineering	-	-	0.830	-	-	0.030	-	-	0.042	-	-	0.097	-	-	-	-	-	0.097
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.830	-	-	0.030	-	-	0.042	-	-	0.097	-	-	-	-	-	0.097
<b>Gross/Weapon System Cost</b>	-	-	<b>16.018</b>	-	-	<b>1.385</b>	-	-	<b>0.899</b>	-	-	<b>1.763</b>	-	-	-	-	-	<b>1.763</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types					<b>Item Number / Title [DODIC]:</b> E96111 / CTG, 5.56mm Marking, M1042 (Red) [AC40]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2023	Aug 2024	1,473,161	0.92	Y		
Complete Round		2024	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2024	Aug 2025	911,195	0.94	Y		
Complete Round		2025	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2025	Aug 2026	2,071,664	0.80	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types
		<b>Item Number / Title [DODIC]:</b> E96120 / CTG, 5.56mm Marking, M1071 (Blue) Linked f/SAW [AC42]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6.736	0.500	0.258	0.906	-	0.906
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	6.736	0.500	0.258	0.906	-	0.906
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>6.736</b>	<b>0.500</b>	<b>0.258</b>	<b>0.906</b>	<b>-</b>	<b>0.906</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(t)</sup>	0.81	6,355,304	5.148	1.17	429,110	0.502	1.19	208,149	0.248	1.13	759,157	0.858	-	-	-	1.13	759,157	0.858
Subtotal: Recurring Cost	-	-	5.148	-	-	0.500	-	-	0.248	-	-	0.858	-	-	-	-	-	0.858
Subtotal: Hardware Cost	-	-	5.148	-	-	0.500	-	-	0.248	-	-	0.858	-	-	-	-	-	0.858
Support - Production Engineering Cost																		
Production Engineering	-	-	1.588	-	-	-	-	-	0.010	-	-	0.048	-	-	-	-	-	0.048
Subtotal: Support - Production Engineering Cost	-	-	1.588	-	-	-	-	-	0.010	-	-	0.048	-	-	-	-	-	0.048
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>6.736</b>	<b>-</b>	<b>-</b>	<b>0.500</b>	<b>-</b>	<b>-</b>	<b>0.258</b>	<b>-</b>	<b>-</b>	<b>0.906</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.906</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types					<b>Item Number / Title [DODIC]:</b> E96120 / CTG, 5.56mm Marking, M1071 (Blue) Linked f/SAW [AC42]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2023	Aug 2024	429,110	1.16	Y		
Complete Round		2024	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2024	Aug 2025	208,149	1.19	Y		
Complete Round		2025	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Jul 2025	Aug 2026	759,157	1.13	Y		



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E96121 / CTG, 5.56mm Marking, M1071 (Red) Linked f/SAW [AC43]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	5.428	0.616	0.010	0.694	-	0.694
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	5.428	0.616	0.010	0.694	-	0.694
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>5.428</b>	<b>0.616</b>	<b>0.010</b>	<b>0.694</b>	<b>-</b>	<b>0.694</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(†)</sup>	0.79	6,065,625	4.784	1.17	526,973	0.617	1.19	8,067	0.010	1.10	593,603	0.653	-	-	-	1.10	593,603	0.653
<i>Subtotal: Recurring Cost</i>	-	-	<b>4.786</b>	-	-	<b>0.614</b>	-	-	<b>0.010</b>	-	-	<b>0.653</b>	-	-	-	-	-	<b>0.653</b>
<i>Subtotal: Hardware Cost</i>	-	-	<b>4.786</b>	-	-	<b>0.614</b>	-	-	<b>0.010</b>	-	-	<b>0.653</b>	-	-	-	-	-	<b>0.653</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.642	-	-	0.002	-	-	0.000	-	-	0.041	-	-	-	-	-	0.041
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.642</b>	-	-	<b>0.002</b>	-	-	<b>0.000</b>	-	-	<b>0.041</b>	-	-	-	-	-	<b>0.041</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>5.428</b>	-	-	<b>0.616</b>	-	-	<b>0.010</b>	-	-	<b>0.694</b>	-	-	-	-	-	<b>0.694</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types					<b>Item Number / Title [DODIC]:</b> E96121 / CTG, 5.56mm Marking, M1071 (Red) Linked f/SAW [AC43]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Apr 2024	526,973	1.16	Y		
Complete Round		2024	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Apr 2025	8,067	1.19	Y		
Complete Round		2025	ULTIMATE TRAINING MUNITIONS / BURY ST EDMUNDS, UNITED KINGDOM	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Apr 2026	593,603	1.10	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types	<b>Item Number / Title [DODIC]:</b> E96125 / Ctg, 5.56mm, Short Range Training, M1037, snl rd [AB67]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	14.243	2.635	2.558	1.503	-	1.503
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	14.243	2.635	2.558	1.503	-	1.503
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>14.243</b>	<b>2.635</b>	<b>2.558</b>	<b>1.503</b>	<b>-</b>	<b>1.503</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	1.04	12,779,614	13.340	1.31	1,921,809	2.518	1.33	1,837,574	2.444	1.37	1,036,588	1.420	-	-	-	1.37	1,036,588	1.420
<i>Subtotal: Recurring Cost</i>	-	-	13.342	-	-	2.509	-	-	2.444	-	-	1.420	-	-	-	-	-	1.420
<i>Subtotal: Hardware Cost</i>	-	-	13.342	-	-	2.509	-	-	2.444	-	-	1.420	-	-	-	-	-	1.420
Support - Production Engineering Cost																		
Production Engineering	-	-	0.904	-	-	0.126	-	-	0.114	-	-	0.083	-	-	-	-	-	0.083
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.904	-	-	0.126	-	-	0.114	-	-	0.083	-	-	-	-	-	0.083
<b>Gross/Weapon System Cost</b>	-	-	14.243	-	-	2.635	-	-	2.558	-	-	1.503	-	-	-	-	-	1.503

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0132E00700 / CTG, 5.56MM, All Types					<b>Item Number / Title [DODIC]:</b> E96125 / Ctg, 5.56mm, Short Range Training, M1037, sngr rd [AB67]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	CANADIAN COMMERCIAL CORP / OTTAWA, CANADA	SS / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Nov 2023	1,921,809	1.30	Y		
COMPLETE ROUND		2024	TO BE SELECTED / TO BE SELECTED	C / FFP	TO BE SELECTED	Mar 2024	Sep 2024	1,837,574	1.33	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TO BE SELECTED	C / FFP	TO BE SELECTED	Jun 2025	Jul 2026	1,036,588	1.37	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,622.058	92.406	65.370	41.519	-	41.519	82.541	91.039	96.615	92.215	-	3,183.763
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,622.058	92.406	65.370	41.519	-	41.519	82.541	91.039	96.615	92.215	-	3,183.763
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,622.058</b>	<b>92.406</b>	<b>65.370</b>	<b>41.519</b>	<b>-</b>	<b>41.519</b>	<b>82.541</b>	<b>91.039</b>	<b>96.615</b>	<b>92.215</b>	<b>-</b>	<b>3,183.763</b>

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

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

**Description:**

This budget line includes 7.62mm ALL TYPES.

(E01902) 7.62mm Blank, M82 w/M13 Link is linked in 100-round belts for training use in the M240 family of machine weapons. The M82 is a blank cartridge (no projectile) designed to mimic the sound and function of combat ammunition with the use of a blank-firing adaptor. It can be identified by its long neck and rosette-crimped mouth. It is intended for training use only and is not suitable for combat. This item is Code A, approved for service use.

(E02002) 7.62mm 4 Ball M80/1 Tracer M62, w/M13 Link consists of M80 Ball and M62 Tracer rounds linked four-to-one and is used in the M240 Machine Gun. It is intended for use against personnel and nonarmored targets. Bullet consisting of copper alloy clad steel jacket with lead antimony slug. This item is Code A, approved for service use.

(E02007) 7.62mm 4 BALL/1 TRACER F/OHF consists of an M80 Overhead Fire (OHF) ball and an M62 OHF tracer cartridge linked four to one and is used for overhead fire in the M240 Machine Gun family of weapons. Manufactured with unique bullet jackets and no base closure seals to reduce fragmentation or shrapnel risks to soldiers training underneath the flight path of these bullets. This item is Code A, approved for service use.

(E02011) 7.62mm M80A1 Enhanced Performance Round (EPR) Ball is linked in a 100-cartridge belt with the M13 link for use in the M240 Machine Gun family of weapons. The M80A1 Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. They are intended for use against personnel and light-armored targets. This Item is Code A, approved for service use.

(E02012) 7.62mm M80A1 Enhanced Performance Round (EPR) Ball Cartridges and M62A1 Tracer Cartridges are linked in a 100-cartridge belt in a 4 Ball/1 Tracer configuration with the M13 link for use in the M240 Machine Gun family of weapons. The M80A1 Ball Cartridge has a steel penetrator and a non-lead slug surrounded by a copper jacket. The M62A1 Tracer Cartridge also contains a lead-free projectile and provides a visible red light signature through its trajectory and is a ballistic match with the M80A1 trajectory. They are intended for use against personnel and light-armored targets. This Item is Code A, approved for service use.

(E89100) 7.62mm M118 Long Range cartridge is a match grade design intended for long-range accuracy and is packed in a 20-cartridge cardboard carton and intended for Sniper use in the M40, M110, M110A1, and MK21 Rifles. It is intended for use against personnel and non-armored targets. This Item is Code A, approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(F57510) 7.62mm M1158 Advanced Armor-Piercing (ADVAP) Ball Cartridges and M62A1 Tracer Cartridges are linked in a 100-cartridge belt in a 4 Ball/1 Tracer configuration with the M13 link for use in the M240 Machine Gun family of weapons. The M1158 Ball Cartridge uses projectiles with an exposed black metal tip surrounded by a copper jacket. The M62A1 Tracer Cartridge also contains a lead-free projectile and provides a visible red light signature through its trajectory and is a ballistic match with the M1158 trajectory. This item is intended for use against a broad spectrum of hard targets. This Item is Code A, approved for service use.</p> <p>(F57515) 7.62mm Reduced Range Cartridges, XM1164/XM1165, are issued in a 100 cartridge belt with the M13 link for use in the M240 machine gun family. These cartridges are conventional small-caliber munitions with a modified projectile designed for live fire training on ranges with reduced Surface Danger Zones (SDZ). They are intended for training use only and are not suitable for combat. These items are Code B, not approved for service use.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
0612E02000 / CTG, 7.62MM, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E01902 / CTG, 7.62mm Blank, M82 w/M13 Link [A111]	P-5a, P-21	A		- / 383.614	- / 4.733	- / 10.681	- / 7.052	- / -	- / 7.052
P-5	E02002 / CTG, 7.62mm 4 Ball M80 / 1 Tracer M62, w/M13 Link [A131]	P-5a	A		- / 767.438	- / 1.371	- / -	- / -	- / -	- / -
P-5	E02007 / CTG 7.62MM 4 BALL/1 TRACER F/OHF [A151]	P-5a	A		- / 748.675	- / -	- / 5.424	- / -	- / -	- / -
P-5	E02011 / CTG, 7.62mm Ball M80A1 LeadFree, w/M13 Link [AB79]	P-5a	A		- / 97.598	- / 1.075	- / 2.082	- / 2.126	- / -	- / 2.126
P-5	E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]	P-5a, P-21	A		- / 486.599	- / 46.247	- / 45.585	- / 22.150	- / -	- / 22.150
P-5	E89100 / CTG, 7.62mm Special Ball, M118 Long Range [AA11]	P-5a	A		- / 49.996	- / 0.980	- / 0.598	- / 0.601	- / -	- / 0.601
P-5	F57510 / CTG, 7.62MM ADVANCED ARMOR PIERCING, M1158	P-5a	A		- / 88.138	- / 38.000	- / -	- / -	- / -	- / -
P-5	F57515 / CTG, 7.62 REDUCED RANGE AMMUNITION	P-5a, P-21	B		- / -	- / -	- / 1.000	- / 9.590	- / -	- / 9.590
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,622.058</b>	<b>- / 92.406</b>	<b>- / 65.370</b>	<b>- / 41.519</b>	<b>- / -</b>	<b>- / 41.519</b>

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

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

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY2025 Base Budget supports the Minimum Sustaining Rates at both Lake City Army Ammunition Plant (LCAAP) as well as the Second Source facility in Oxford, MS.

FY 2025 Total Base dollars in the amount of \$41.519 million supports the procurement of 37.803 million cartridges. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or Foreign Military Sales (FMS) to increase procurement of 7.62MM ALL TYPES when possible.

The FY 2023 actuals for base include \$1.781 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E01902) 7.62mm Blank, M82 w/M13 Link is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$7.052 million supports the procurement of 10.402 million Blank M82 cartridges.

Type classification date: 1960

(E02002) 7.62mm 4 Ball M80/1 Tracer M62, w/M13 Link is a training standard item used in training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.

Type classification date: 1962

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E02007) 7.62mm 4 BALL/1 TRACER F/OHF is a training unique item and is not used in combat. The request supports annual training and builds a depot level in accordance with the Army's procurement goal. TYPE CLASSIFICATION DATE: 1975</p> <p>(E02011) 7.62mm M80A1 Enhanced Performance Round (EPR) Lead Free Slug (LFS) Ball Cartridge is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$2.126 million supports the procurement of 1.981 million 7.62mm M80A1 1 Ball (EPR) (LFS) Cartridges. Type classification date: 1962</p> <p>(E02012) 7.62mm M80A1 Enhanced Performance Round (EPR) 4 Ball /1 Trace, Lead Free Slug (LFS) Cartridge /M62A1 LFS Tracer Cartridge is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$22.150 million supports the procurement of 18.809 million 7.62mm M80A1 4 Ball/1Trace (EPR) (LFS) Cartridges. Type classification date: 1962</p> <p>(E89100) 7.62mm M118 Long Range Round is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$0.601 million supports the procurement of 0.503 million 7.62mm M118 Long Range Cartridges. Type classification date: Prior to 1997</p> <p>(F57510) 7.62mm M1158 Advanced Armor-Piercing (ADVAP) Ball Cartridges and M62A1 Tracer Cartridges are linked in a 100 cartridge belt in a 4 Ball/1 Tracer configuration with the M13 link. This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. Type classification date: 2020</p> <p>(F57515) 7.62mm Reduced Range Cartridges - These are training unique items not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$9.590 million supports the procurement of 6.107 million 7.62mm Reduced Range Cartridges. Type classification date: Pending 2024</p>		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E01902 / CTG, 7.62mm Blank, M82 w/ M13 Link [A111]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		383.614	4.733	10.681	7.052	-	7.052
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		383.614	4.733	10.681	7.052	-	7.052
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>383.614</b>	<b>4.733</b>	<b>10.681</b>	<b>7.052</b>	<b>-</b>	<b>7.052</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	0.40	943,609K	378.387	0.48	8,803,726	4.226	0.55	16,855,230	9.270	0.56	10,402,398	5.825	-	-	-	0.56	10,402,398	5.825
Subtotal: Recurring Cost	-	-	378.387	-	-	4.226	-	-	9.270	-	-	5.825	-	-	-	-	-	5.825
Subtotal: Hardware Cost	-	-	<b>378.387</b>	-	-	<b>4.226</b>	-	-	<b>9.270</b>	-	-	<b>5.825</b>	-	-	-	-	-	<b>5.825</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.116	-	-	0.502	-	-	1.406	-	-	1.222	-	-	-	-	-	1.222
Subtotal: Support - Production Engineering Cost	-	-	<b>5.116</b>	-	-	<b>0.502</b>	-	-	<b>1.406</b>	-	-	<b>1.222</b>	-	-	-	-	-	<b>1.222</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.051	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.051</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	-	-	-	<b>0.005</b>
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>383.614</b>	<b>-</b>	<b>-</b>	<b>4.733</b>	<b>-</b>	<b>-</b>	<b>10.681</b>	<b>-</b>	<b>-</b>	<b>7.052</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7.052</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> E01902 / CTG, 7.62mm Blank, M82 w/ M13 Link [A111]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	8,803,726	0.48	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	16,855,230	0.55	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	10,402,398	0.56	Y		

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



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types										<b>Item Number / Title [DODIC]:</b> E01902 / CTG, 7.62mm Blank, M82 w/ M13 Link [A111]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																																		
Prior Years Deliveries: 943609274																																		
1	2023	ARMY	8.804	5.136	3.668	.734	.734	.734	.734	.734																							.000	
1	2024	ARMY	16.855	.000	16.855	-	-	-	-	-	-	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405	1.405		.000		
1	2025	ARMY	10.402	.000	10.402							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.867	.867	.867	.867	.867	.867	4.334
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
		<b>Item Number / Title [DODIC]:</b> E01902 / CTG, 7.62mm Blank, M82 w/ M13 Link [A111]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	800	5,160,000	17,700,000	6	6	18	24	6	6	12	18

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E02002 / CTG, 7.62mm 4 Ball M80 / 1 Tracer M62, w/M13 Link [A131]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	767.438	1.371	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	767.438	1.371	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>767.438</b>	<b>1.371</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND <sup>(†)</sup>	0.79	972,005K	767.884	0.74	1,562,400	1.156	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	767.884	-	-	1.156	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>767.884</b>	-	-	<b>1.156</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.086	-	-	0.215	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>0.086</b>	-	-	<b>0.215</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>767.438</b>	-	-	<b>1.371</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> E02002 / CTG, 7.62mm 4 Ball M80 / 1 Tracer M62, w/M13 Link [A131]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Apr 2024	1,562,400	0.74	Y		



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E02007 / CTG 7.62MM 4 BALL/1 TRACER F/OHF [A151]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	748.675	-	5.424	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	748.675	-	5.424	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>748.675</b>	-	<b>5.424</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	0.55	1,361,117K	748.614	-	-	-	0.89	5,536,880	4.928	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	748.614	-	-	-	-	-	4.928	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>748.614</b>	-	-	-	-	-	<b>4.928</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.203	-	-	-	-	-	0.496	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>0.203</b>	-	-	-	-	-	<b>0.496</b>	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	-	-	-	-	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>748.675</b>	-	-	-	-	-	<b>5.424</b>	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> E02007 / CTG 7.62MM 4 BALL/1 TRACER F/OHF [A151]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	5,536,880	0.89	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
		<b>Item Number / Title [DODIC]:</b> E02011 / CTG, 7.62mm Ball M80A1 LeadFree, w/M13 Link [AB79]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				97.598	1.075	2.082	2.126	-	2.126
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				97.598	1.075	2.082	2.126	-	2.126
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>97.598</b>	<b>1.075</b>	<b>2.082</b>	<b>2.126</b>	<b>-</b>	<b>2.126</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	0.79	114,917K	91.244	0.90	1,113,489	1.002	0.91	2,070,516	1.884	0.94	1,980,592	1.862	-	-	-	0.94	1,980,592	1.862
Subtotal: Recurring Cost	-	-	91.244	-	-	1.002	-	-	1.884	-	-	1.862	-	-	-	-	-	1.862
Subtotal: Hardware Cost	-	-	<b>91.244</b>	-	-	<b>1.002</b>	-	-	<b>1.884</b>	-	-	<b>1.862</b>	-	-	-	-	-	<b>1.862</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.115</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	6.236	-	-	0.071	-	-	0.192	-	-	0.254	-	-	-	-	-	0.254
Subtotal: Support - Production Engineering Cost	-	-	<b>6.236</b>	-	-	<b>0.071</b>	-	-	<b>0.192</b>	-	-	<b>0.254</b>	-	-	-	-	-	<b>0.254</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.053	-	-	0.005	-	-	0.005	-	-	0.010	-	-	-	-	-	0.010
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.053</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	<b>0.010</b>	-	-	-	-	-	<b>0.010</b>
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>97.598</b>	<b>-</b>	<b>-</b>	<b>1.075</b>	<b>-</b>	<b>-</b>	<b>2.082</b>	<b>-</b>	<b>-</b>	<b>2.126</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.126</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> E02011 / CTG, 7.62mm Ball M80A1 LeadFree, w/M13 Link [AB79]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	1,113,489	0.90	Y		
COMPLETE ROUND		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	517,629	0.91	Y		
COMPLETE ROUND		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	1,552,887	0.91	Y		
COMPLETE ROUND		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	495,148	0.94	Y		
COMPLETE ROUND		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,485,444	0.94	Y		

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				486.599	46.247	45.585	22.150	-	22.150
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				486.599	46.247	45.585	22.150	-	22.150
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>486.599</b>	<b>46.247</b>	<b>45.585</b>	<b>22.150</b>	-	<b>22.150</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	0.97	469,077K	456.412	1.01	40,799,776	41.051	0.98	42,000,391	41.160	0.99	18,809,499	18.621	-	-	-	0.99	18,809,499	18.621
Subtotal: Recurring Cost	-	-	456.412	-	-	41.051	-	-	41.160	-	-	18.621	-	-	-	-	-	18.621
Subtotal: Hardware Cost	-	-	<b>456.412</b>	-	-	<b>41.051</b>	-	-	<b>41.160</b>	-	-	<b>18.621</b>	-	-	-	-	-	<b>18.621</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.528	-	-	0.115	-	-	0.115	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.528</b>	-	-	<b>0.115</b>	-	-	<b>0.115</b>	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Environmental Initiatives	-	-	1.685	-	-	-	-	-	0.105	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>1.685</b>	-	-	-	-	-	<b>0.105</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	27.726	-	-	5.062	-	-	4.185	-	-	3.500	-	-	-	-	-	3.500
Subtotal: Support - Production Engineering Cost	-	-	<b>27.726</b>	-	-	<b>5.062</b>	-	-	<b>4.185</b>	-	-	<b>3.500</b>	-	-	-	-	-	<b>3.500</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.096	-	-	0.019	-	-	0.019	-	-	0.029	-	-	-	-	-	0.029
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.096</b>	-	-	<b>0.019</b>	-	-	<b>0.019</b>	-	-	<b>0.029</b>	-	-	-	-	-	<b>0.029</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	486.599	-	-	46.247	-	-	45.585	-	-	22.150	-	-	-	-	-	22.150

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	6,119,966	0.82	Y		
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	34,679,810	0.99	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	31,500,293	0.98	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	10,500,098	0.98	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	14,107,124	0.99	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	4,702,375	0.99	Y		

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

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army			<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2023													Fiscal Year 2024													B A L A N C E																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024																											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	
COMPLETE ROUND																																															
Prior Years Deliveries: 469077478																																															
	1	2023	ARMY	6.120	.000	6.120																						A	-	-	-	-	-	-	-	-	-	-	.510	.510	.510	.510	.510	.510	.510	.510	2.550
	2	2023	ARMY	34.680	.000	34.680																						A	-	-	-	-	-	-	-	-	-	-	2.910	2.672	2.910	2.910	2.910	2.910	2.910	2.910	14.549
	1	2024	ARMY	31.500	.000	31.500																						A	-	-	-	-	-	-	-	-	-	-									31.500
	2	2024	ARMY	10.500	.000	10.500																						A	-	-	-	-	-	-	-	-	-	-									10.500
	1	2025	ARMY	14.107	.000	14.107																																								14.107	
	2	2025	ARMY	4.702	.000	4.702																																								4.702	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types										<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									
COMPLETE ROUND																																							
Prior Years Deliveries: 469077478																																							
	1	2023	ARMY	6.120	3.570	2.550	.510	.510	.510	.510	.510																							.000					
	2	2023	ARMY	34.680	20.131	14.549	2.910	2.910	2.910	2.910	2.910																							.000					
	1	2024	ARMY	31.500	.000	31.500	-	-	-	-	-	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625	2.625		.000					
	2	2024	ARMY	10.500	.000	10.500	-	-	-	-	-	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875	.875		.000						
	1	2025	ARMY	14.107	.000	14.107						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.176	1.176	1.176	1.176	1.176	1.176	1.176	5.878
	2	2025	ARMY	4.702	.000	4.702						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.392	.392	.392	.392	.392	.392	.392	1.959	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army			<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	
<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]			

Cost Elements <small>(Units in Millions, * = &lt; 500)</small>						Fiscal Year 2027											Fiscal Year 2028											B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027											Calendar Year 2028											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L

COMPLETE ROUND																													
Prior Years Deliveries: 469077478																													
1	2023	ARMY	6.120	6.120	.000																								.000
2	2023	ARMY	34.680	34.680	.000																								.000
1	2024	ARMY	31.500	31.500	.000																								.000
2	2024	ARMY	10.500	10.500	.000																								.000
1	2025	ARMY	14.107	8.229	5.878	1.176	1.176	1.176	1.176	1.176																			.000
2	2025	ARMY	4.702	2.743	1.959	.392	.392	.392	.392	.392																			.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
		<b>Item Number / Title [DODIC]:</b> E02012 / CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree [AB86]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	500,000	2,000,000	10,000,000	6	6	18	24	6	6	12	18
2	OLIN CORPORATION WINCHESTER - OXFORD, MS	500,000	2,000,000	6,000,000	6	6	18	24	6	6	12	18

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> E89100 / CTG, 7.62mm Special Ball, M118 Long Range [AA11]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				49.996	0.980	0.598	0.601	-	0.601
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				49.996	0.980	0.598	0.601	-	0.601
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>49.996</b>	<b>0.980</b>	<b>0.598</b>	<b>0.601</b>	<b>-</b>	<b>0.601</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
BOX METAL M2A2	13.21	11,213	0.148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPLETE ROUND <sup>(†)</sup>	0.97	47,184,964	45.533	1.01	914,604	0.924	1.03	526,541	0.542	1.05	503,075	0.528	-	-	-	1.05	503,075	0.528
<i>Subtotal: Recurring Cost</i>	-	-	45.682	-	-	0.924	-	-	0.542	-	-	0.528	-	-	-	-	-	0.528
<i>Subtotal: Hardware Cost</i>	-	-	45.682	-	-	0.924	-	-	0.542	-	-	0.528	-	-	-	-	-	0.528
Support - Production Engineering Cost																		
Production Engineering	-	-	4.272	-	-	0.048	-	-	0.051	-	-	0.067	-	-	-	-	-	0.067
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	4.272	-	-	0.048	-	-	0.051	-	-	0.067	-	-	-	-	-	0.067
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.028	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.028	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
<b>Gross/Weapon System Cost</b>	-	-	49.996	-	-	0.980	-	-	0.598	-	-	0.601	-	-	-	-	-	0.601

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types					<b>Item Number / Title [DODIC]:</b> E89100 / CTG, 7.62mm Special Ball, M118 Long Range [AA11]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	914,604	1.01	Y		
COMPLETE ROUND		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	526,541	1.03	Y		
COMPLETE ROUND		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	503,075	1.05	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> F57510 / CTG, 7.62MM ADVANCED ARMOR PIERCING, M1158

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	88.138	38.000	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	88.138	38.000	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>88.138</b>	<b>38.000</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND(†)	16.78	4,914,256	82.456	14.30	2,562,048	36.637	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	82.456	-	-	36.637	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>82.456</b>	-	-	<b>36.637</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	-	-	-	0.285	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Engineering Change Proposals Cost	-	-	-	-	-	<b>0.285</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	0.689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	<b>0.689</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	4.959	-	-	1.073	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>4.959</b>	-	-	<b>1.073</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.033	-	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> F57510 / CTG, 7.62MM ADVANCED ARMOR PIERCING, M1158
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.033	-	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	88.138	-	-	38.000	-	-	-	-	-	-	-	-	-	-	-	-

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> F57510 / CTG, 7.62MM ADVANCED ARMOR PIERCING, M1158					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2025	2,562,048	14.30	Y		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types	<b>Item Number / Title [DODIC]:</b> F57515 / CTG, 7.62 REDUCED RANGE AMMUNITION

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	-	1.000	9.590	-	9.590
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	-	1.000	9.590	-	9.590
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	-	<b>1.000</b>	<b>9.590</b>	-	<b>9.590</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	1.42	676,059	0.960	1.42	6,107,010	8.672	-	-	-	1.42	6,107,010	8.672
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.960	-	-	8.672	-	-	-	-	-	8.672
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	0.960	-	-	8.672	-	-	-	-	-	8.672
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.040	-	-	0.918	-	-	-	-	-	0.918
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.040	-	-	0.918	-	-	-	-	-	0.918
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	1.000	-	-	9.590	-	-	-	-	-	9.590

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types				<b>Item Number / Title [DODIC]:</b> F57515 / CTG, 7.62 REDUCED RANGE AMMUNITION					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER LLC / INDEPENDENCE MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	6,107,010	1.42	Y		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types										<b>Item Number / Title [DODIC]:</b> F57515 / CTG, 7.62 REDUCED RANGE AMMUNITION									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P

COMPLETE ROUND																																
1	2025	ARMY		6.107	3.562	2.545	.509	.509	.509	.509																						.000

							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 0612E02000 / CTG, 7.62MM, All Types
		<b>Item Number / Title [DODIC]:</b> F57515 / CTG, 7.62 REDUCED RANGE AMMUNITION

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER LLC - INDEPENDENCE MO	1,000	1,000,000	2,000,000	6	6	12	18	6	6	12	18

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

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	85.620	96.496	191.244	205.889	-	205.889	286.229	286.220	336.320	339.684	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	85.620	96.496	191.244	205.889	-	205.889	286.229	286.220	336.320	339.684	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>85.620</b>	<b>96.496</b>	<b>191.244</b>	<b>205.889</b>	<b>-</b>	<b>205.889</b>	<b>286.229</b>	<b>286.220</b>	<b>336.320</b>	<b>339.684</b>	<b>Continuing</b>	<b>Continuing</b>

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

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

**Description:**

This budget line includes NEXT GENERATION SQUAD WEAPON AMMUNITION

(E06002) NEXT GENERATION COMBAT ROUND is a 6.8mm Ball Cartridge / General Purpose (GP) ammunition packed in cartons and cartridge-linked belts. The ammunition is available in straight and linked configurations for use in the Next Generation Squad Weapons (NGSW) Rifle and Automatic Rifle. The GP Ball Cartridge has a steel penetrator and non-lead slug surrounded by a copper jacket. This ammunition is intended for use against personnel and light-armored targets. The GP ammunition is a training standard item used in both combat and training. This item is Code B, not approved for service use.

(E06014) NEXT GENERATION REDUCED RANGE ROUND is a 6.8mm Ball Cartridge; a training standard item used for training purposes only. The ammunition is packed in cartons and linked belts for use in the NGSW Rifle and Automatic Rifle. The Cartridge is intended to perform similarly to the combat variants and is intended for use on military installations with Surface Danger Zone (SDZ) restrictions. This item is Code B, not approved for service use.

(E06015) NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND is a 6.8mm Ball Cartridge. The Special Purpose (SP) ammunition is packed in cartons and linked belts; for use in the NGSW Rifle and Automatic Rifle. The SP Ball Cartridge utilizes projectiles with an exposed black tip surrounded by a copper jacket. This ammunition is intended for use against a broad spectrum of hard targets. The SP ammunition is a combat-only war reserve item. This item is Code B, not approved for service use.

(E60011) NEXT GENERATION BLANK ROUND is a 6.8mm BLANK cartridge that does not have a projectile. It is designed to mimic the sound and function of the combat ammunition variants. It is intended for training use only and is not suitable for combat. The Blank ammunition is packed in cartons for use in the NGSW Rifle and Automatic Rifle. This item is Code B, not approved for service use.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E06002 / NEXT GENERATION COMBAT ROUND	P-5a, P-21	B		- / 67.845	- / 52.623	- / 35.896	- / 38.140	- / -	- / 38.140
P-5	E06014 / NEXT GENERATION REDUCED RANGE ROUND	P-5a, P-21	B		- / 13.159	- / 22.543	- / 107.341	- / 112.406	- / -	- / 112.406
P-5	E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND	P-5a, P-21	B		- / 0.427	- / 13.858	- / 14.488	- / 21.550	- / -	- / 21.550
P-5	E60011 / NEXT GENERATION BLANK ROUND	P-5a, P-21	B		- / 4.189	- / 7.472	- / 33.519	- / 33.793	- / -	- / 33.793
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 85.620</b>	<b>- / 96.496</b>	<b>- / 191.244</b>	<b>- / 205.889</b>	<b>- / -</b>	<b>- / 205.889</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense (DoD) Instruction 3000.04 (Munitions Requirements Process) and Army Regulation (AR) 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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

The FY 2025 Base procurement dollars in the amount of \$205.889 million supports procurement of 79.082 million cartridges. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or Foreign Military Sales (FMS) to increase procurement of NEXT GENERATION SQUAD WEAPON AMMUNITION when possible. Funding for this ammunition procurement budget item aligns with the Army's modernization priorities in support of the National Defense Strategy. The NGSW-A program is a key Army Modernization Priority and supports the Soldier Lethality Cross Functional Team (CFT) objectives.

(E06002) NEXT GENERATION COMBAT ROUND / General Purpose (GP) ammunition is a training standard item used in both combat and training. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$38.140 million supports the procurement of 13.538 million GP cartridges. Type classification date: Projected 3rd Quarter FY2025.

(E06014) NEXT GENERATION REDUCED RANGE ROUND is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$112.406 million supports the procurement of 40.851 million Reduced Range cartridges. Type classification date: Projected 1st Quarter FY2026.

(E06015) NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND / Special Purpose (SP) ammunition is a war reserve item used in combat. FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$21.550 million supports the procurement of 0.891 million SP cartridges. Type classification date: Projected 3rd Quarter FY2026.

(E60011) NEXT GENERATION BLANK ROUND is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$33.793 million supports the procurement of 23.802 million BLANK cartridges.

LI 1065E06001 - NEXT GENERATION SQUAD WEAPON AMMUNITION  
Army

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Type classification date: Projected 3rd Quarter FY2025.		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION	<b>Item Number / Title [DODIC]:</b> E06002 / NEXT GENERATION COMBAT ROUND

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				67.845	52.623	35.896	38.140	-	38.140
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				67.845	52.623	35.896	38.140	-	38.140
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>67.845</b>	<b>52.623</b>	<b>35.896</b>	<b>38.140</b>	-	<b>38.140</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	3.31	19,287,685	63.823	1.97	25,799,587	50.825	2.15	15,704,798	33.765	2.60	13,537,788	35.198	-	-	-	2.60	13,537,788	35.198
Subtotal: Recurring Cost	-	-	63.823	-	-	50.825	-	-	33.765	-	-	35.198	-	-	-	-	-	35.198
Subtotal: Hardware Cost	-	-	<b>63.823</b>	-	-	<b>50.825</b>	-	-	<b>33.765</b>	-	-	<b>35.198</b>	-	-	-	-	-	<b>35.198</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	4.017	-	-	1.798	-	-	2.131	-	-	2.942	-	-	-	-	-	2.942
Subtotal: Support - Production Engineering Cost	-	-	<b>4.017</b>	-	-	<b>1.798</b>	-	-	<b>2.131</b>	-	-	<b>2.942</b>	-	-	-	-	-	<b>2.942</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.005</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>67.845</b>	-	-	<b>52.623</b>	-	-	<b>35.896</b>	-	-	<b>38.140</b>	-	-	-	-	-	<b>38.140</b>

**Remarks:**  
 Unit price is an average between carton pack and linked configuration. Unit price increase from FY 2024 to FY 2025 due to increasing production of linked configuration as well as establishing a second source. Production Engineering changes from FY 2024 to FY 2025 are commensurate with changes in procurement quantities.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION					<b>Item Number / Title [DODIC]:</b> E06002 / NEXT GENERATION COMBAT ROUND				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2023	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	25,799,587	1.97	N		
COMPLETE ROUND <sup>(†)</sup>		2024	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL NJ	Mar 2024	Mar 2025	15,704,798	2.15	N		
COMPLETE ROUND <sup>(†)</sup>		2025	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	6,768,894	2.60	N		
COMPLETE ROUND <sup>(†)</sup>		2025	TBS01 / TBS	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	6,768,894	2.60	N		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06002 / NEXT GENERATION COMBAT ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 19287685																																					
1	2023	ARMY	25.800	15.050	10.750	2.150	2.150	2.150	2.150	2.150																									.000		
1	2024	ARMY	15.705	.000	15.705	-	-	-	-	-	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309	1.309							.000			
1	2025	ARMY	6.769	.000	6.769						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.564	.564	.564	.564	.564	.564	.564	2.820		
2	2025	ARMY	6.769	.000	6.769						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.564	.564	.564	.564	.564	.564	.564	.564	2.820		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06002 / NEXT GENERATION COMBAT ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
COMPLETE ROUND																															
Prior Years Deliveries: 19287685																															
	1	2023	ARMY	25.800	25.800	.000																							.000		
	1	2024	ARMY	15.705	15.705	.000																							.000		
	1	2025	ARMY	6.769	3.949	2.820	.564	.564	.564	.564	.564																		.000		
	2	2025	ARMY	6.769	3.949	2.820	.564	.564	.564	.564	.564																		.000		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION
		<b>Item Number / Title [DODIC]:</b> E06002 / NEXT GENERATION COMBAT ROUND

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG SAUER, INC. - NEWINGTON, NH	100,000	500,000	3,000,000	6	6	12	18	6	6	12	18
2	TBS01 - TBS	100,000	500,000	3,000,000	6	6	12	18	6	6	12	18

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION	<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	13.159	22.543	107.341	112.406	-	112.406
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	13.159	22.543	107.341	112.406	-	112.406
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>13.159</b>	<b>22.543</b>	<b>107.341</b>	<b>112.406</b>	<b>-</b>	<b>112.406</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	3.39	3,795,095	12.865	3.15	5,952,411	18.750	2.08	48,226,868	100.312	2.52	40,850,521	102.943	-	-	-	2.52	40,850,521	102.943
<i>Subtotal: Recurring Cost</i>	-	-	<i>12.865</i>	-	-	<i>18.750</i>	-	-	<i>100.312</i>	-	-	<i>102.943</i>	-	-	-	-	-	<i>102.943</i>
<i>Subtotal: Hardware Cost</i>	-	-	<b>12.865</b>	-	-	<b>18.750</b>	-	-	<b>100.312</b>	-	-	<b>102.943</b>	-	-	-	-	-	<b>102.943</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.294	-	-	3.793	-	-	7.029	-	-	9.463	-	-	-	-	-	9.463
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.294</b>	-	-	<b>3.793</b>	-	-	<b>7.029</b>	-	-	<b>9.463</b>	-	-	-	-	-	<b>9.463</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>13.159</b>	-	-	<b>22.543</b>	-	-	<b>107.341</b>	-	-	<b>112.406</b>	-	-	-	-	-	<b>112.406</b>

**Remarks:**

Unit price is an average between carton pack and linked configuration. Unit price increase from FY 2024 to FY 2025 due to increasing production of linked configuration as well as establishing a second source. Production Engineering changes from FY 2024 to FY 2025 are commensurate with changes in procurement quantities.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION				<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	5,952,411	3.15	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL NJ	Mar 2024	Mar 2025	48,226,868	2.08	N		
COMPLETE ROUND <sup>(†)</sup>		2025	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	20,425,261	2.52	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS02	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	20,425,260	2.52	Y		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		
<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION		<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>		Fiscal Year 2023													Fiscal Year 2024												B A L A N C E												
O C C O #	M F R #	FY	SERVICE	PROC QTY	ACCE PT PRI OR T O 1 O C T 2 0 2 2	BAL DUE AS O F 1 O C T	Calendar Year 2023													Calendar Year 2024																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P								
COMPLETE ROUND																																							
Prior Years Deliveries: 3795095																																							
1		2023	ARMY	5.952	.000	5.952																									.496	.496	.496	.496	.496	.496	.496	.496	2.480
1		2024	ARMY	48.227	.000	48.227																																48.227	
1		2025	ARMY	20.425	.000	20.425																																	20.425
2		2025	ARMY	20.425	.000	20.425																																	20.425

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
COMPLETE ROUND																																									
Prior Years Deliveries: 3795095																																									
1	2023	ARMY	5.952	3.472	2.480	.496	.496	.496	.496	.496																								.000							
1	2024	ARMY	48.227	.000	48.227	-	-	-	-	-	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019												.000								
1	2025	ARMY	20.425	.000	20.425						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.702	1.702	1.702	1.702	1.702	1.702	1.702	1.702	8.511
2	2025	ARMY	20.425	.000	20.425						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.702	1.702	1.702	1.702	1.702	1.702	1.702	1.702	8.511
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																														
Prior Years Deliveries: 3795095																														
1	2023	ARMY	5.952	5.952	.000																									.000
1	2024	ARMY	48.227	48.227	.000																									.000
1	2025	ARMY	20.425	11.915	8.511	1.702	1.702	1.702	1.702	1.702																				.000
2	2025	ARMY	20.425	11.915	8.511	1.702	1.702	1.702	1.702	1.702																				.000

O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION
		<b>Item Number / Title [DODIC]:</b> E06014 / NEXT GENERATION REDUCED RANGE ROUND

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG SAUER, INC. - NEWINGTON, NH	250,000	5,000,000	12,000,000	6	6	12	18	6	6	12	18
2	TO BE SELECTED - TBS02	250,000	5,000,000	12,000,000	6	6	12	18	6	6	12	18

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION	<b>Item Number / Title [DODIC]:</b> E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		0.427	13.858	14.488	21.550	-	21.550
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		0.427	13.858	14.488	21.550	-	21.550
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>0.427</b>	<b>13.858</b>	<b>14.488</b>	<b>21.550</b>	<b>-</b>	<b>21.550</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	13.26	25,000	0.332	21.47	633,229	13.595	12.37	1,129,902	13.977	23.00	890,957	20.492	-	-	-	23.00	890,957	20.492
<i>Subtotal: Recurring Cost</i>	-	-	0.332	-	-	13.595	-	-	13.977	-	-	20.492	-	-	-	-	-	20.492
<i>Subtotal: Hardware Cost</i>	-	-	0.332	-	-	13.595	-	-	13.977	-	-	20.492	-	-	-	-	-	20.492
Support - Production Engineering Cost																		
Production Engineering	-	-	0.095	-	-	0.261	-	-	0.511	-	-	1.058	-	-	-	-	-	1.058
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.095	-	-	0.261	-	-	0.511	-	-	1.058	-	-	-	-	-	1.058
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>0.427</b>	<b>-</b>	<b>-</b>	<b>13.858</b>	<b>-</b>	<b>-</b>	<b>14.488</b>	<b>-</b>	<b>-</b>	<b>21.550</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21.550</b>

**Remarks:**

Unit price changes from FY 2024 to FY 2025 are due substantial cost increases on estimates from vendors. Production Engineering changes from FY 2024 to FY 2025 are commensurate with changes in procurement quantities.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION				<b>Item Number / Title [DODIC]:</b> E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	633,229	21.47	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL NJ	Mar 2024	Mar 2025	1,129,902	12.37	N		
COMPLETE ROUND <sup>(†)</sup>		2025	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	890,957	23.00	N		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 25000																																					
	1	2023	ARMY	.633	.369	.264	.053	.053	.053	.053	.053																							.000			
	1	2024	ARMY	1.130	.000	1.130	-	-	-	-	-	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094	.094											.000			
	1	2025	ARMY	.891	.000	.891						A	-	-	-	-	-	-	-	-	-	-	-	-	.074	.074	.074	.074	.074	.074	.074	.074	.371				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 25000																																					
	1	2023	ARMY	.633	.633	.000																															.000
	1	2024	ARMY	1.130	1.130	.000																															.000
	1	2025	ARMY	.891	.520	.371	.074	.074	.074	.074	.074																									.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army				<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION				<b>Item Number / Title [DODIC]:</b> E06015 / NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND	

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG SAUER, INC. - NEWINGTON, NH	100,000	500,000	2,000,000	6	6	12	18	6	6	12	18

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION	<b>Item Number / Title [DODIC]:</b> E60011 / NEXT GENERATION BLANK ROUND

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

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.189	7.472	33.519	33.793	-	33.793
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.189	7.472	33.519	33.793	-	33.793
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.189</b>	<b>7.472</b>	<b>33.519</b>	<b>33.793</b>	<b>-</b>	<b>33.793</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	1.58	2,501,117	3.952	1.47	4,193,707	6.165	0.77	40,326,895	31.052	1.30	23,802,081	30.943	-	-	-	1.30	23,802,081	30.943
<i>Subtotal: Recurring Cost</i>	-	-	3.952	-	-	6.165	-	-	31.052	-	-	30.943	-	-	-	-	-	30.943
<i>Subtotal: Hardware Cost</i>	-	-	<b>3.952</b>	-	-	<b>6.165</b>	-	-	<b>31.052</b>	-	-	<b>30.943</b>	-	-	-	-	-	<b>30.943</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.237	-	-	1.307	-	-	2.467	-	-	2.850	-	-	-	-	-	2.850
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.237</b>	-	-	<b>1.307</b>	-	-	<b>2.467</b>	-	-	<b>2.850</b>	-	-	-	-	-	<b>2.850</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>4.189</b>	-	-	<b>7.472</b>	-	-	<b>33.519</b>	-	-	<b>33.793</b>	-	-	-	-	-	<b>33.793</b>

**Remarks:**

Unit price is an average between carton pack and linked configuration. Unit price changes from FY 2024 to FY 2025 are due substantial cost increases on estimates from vendors. Production Engineering changes from FY 2024 to FY 2025 are commensurate with changes in procurement quantities.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION				<b>Item Number / Title [DODIC]:</b> E60011 / NEXT GENERATION BLANK ROUND				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	4,193,707	1.47	N		
COMPLETE ROUND <sup>(†)</sup>		2024	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL NJ	Mar 2024	Mar 2025	40,326,895	0.77	N		
COMPLETE ROUND <sup>(†)</sup>		2025	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	23,802,081	1.30	N		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E60011 / NEXT GENERATION BLANK ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
COMPLETE ROUND																																									
Prior Years Deliveries: 2501117																																									
1	2023	ARMY	4.194	2.446	1.747	.349	.349	.349	.349	.349																									.000						
1	2024	ARMY	40.327	.000	40.327	-	-	-	-	-	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361	3.361					.000								
1	2025	ARMY	23.802	.000	23.802						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.984	1.984	1.984	1.984	1.984	1.984	1.984	1.984	9.918
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION										<b>Item Number / Title [DODIC]:</b> E60011 / NEXT GENERATION BLANK ROUND									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																																					
Prior Years Deliveries: 2501117																																					
1	2023	ARMY	4.194	4.194	.000																																.000
1	2024	ARMY	40.327	40.327	.000																																.000
1	2025	ARMY	23.802	13.885	9.918	1.984	1.984	1.984	1.984	1.984																											.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1065E06001 / NEXT GENERATION SQUAD WEAPON AMMUNITION
		<b>Item Number / Title [DODIC]:</b> E60011 / NEXT GENERATION BLANK ROUND

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG SAUER, INC. - NEWINGTON, NH	500,000	4,000,000	9,000,000	6	6	12	18	6	6	12	18

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

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



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types
---	--

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

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

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	137.526	0.317	6.597	6.461	-	6.461	6.590	6.721	6.857	6.931	-	178.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	137.526	0.317	6.597	6.461	-	6.461	6.590	6.721	6.857	6.931	-	178.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>137.526</b>	<b>0.317</b>	<b>6.597</b>	<b>6.461</b>	<b>-</b>	<b>6.461</b>	<b>6.590</b>	<b>6.721</b>	<b>6.857</b>	<b>6.931</b>	<b>-</b>	<b>178.000</b>

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

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

**Description:**

This budget line includes CTG, Handgun, ALL TYPES.

(E05210) CTG, 9MM BALL M882 (Combat Pack) cartridge contains a bullet comprised of a copper alloy jacket and a lead alloy core. The cartridge is identified by the plain bullet tip. The ammunition complies with North Atlantic Treaty Organization (NATO) Standard Agreement (STANAG) 4090 and is packed in military type packaging. It is used in the M9 and M11 pistols. This item is Code A, approved for service use.

(E05218) CTG, MODULAR HANDGUN SYSTEM (MHS) AMMUNITION for the M17 and M18 (compact version) of the Modular Handgun System consists of four new 9MM cartridges - Ball M1152, Special Purpose M1153, Drill Dummy Inert (DDI) M1156 and Blank XM1157. The Ball cartridge is intended for use against enemy personnel, for training, and for force protection. The Special Purpose cartridge is required for use in situations where limited over-penetration of targets is necessary to reduce collateral damage. DDI cartridges are completely inert, plated and drilled for easy identification and used for training and weapon familiarization. Blank cartridges are used for K-9 training through the use of a weapon adapter kit. These items are type classified, Code A, approved for service use except for Blank XM1157 which is Code B, not approved for service use.

(E96105) CTG, 9MM MARKING, M1041 (BLUE) is used for force on force training engagements. The cartridge can be fired with existing M9/M11/MHS pistols and M4 rifles with use of a conversion kit. The M9 kit consists of a replacement barrel only. The M11 kit consists of a replacement barrel and recoil spring guide. The M4 kit consist of a replacement upper receiver for 9mm. A blue enameled portion of the M9, M11, and M4 barrels is visible through the ejection port of the weapons. The projectile leaves a mark upon impact (similar to paintball), enabling after action evaluation of training scenarios. It differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. The M1041 is required to hit targets accurately out to 12 meters. The cartridge has been safety certified to be fired in close proximity at properly protected human subjects. This item is Code A, approved for service use.

(E96107) CTG, 9MM MARKING, M1041 (RED) is used for force on force training engagements. The cartridge can be fired with existing M9/M11/MHS pistols, and M4 rifles with use of a conversion kit. The M9 kit consists of a replacement barrel only. The M11 kit consists of a replacement barrel and recoil spring guide. The M4 kit consist of a replacement upper receiver for 9mm. A blue enameled portion of the M9, M11 and M4 barrels is visible through the ejection port of the weapons. The projectile leaves a mark upon impact (similar to paintball), enabling after action evaluation of training scenarios. It differs from paintball in that it is a full complete cartridge with projectile and cartridge case containing a propulsion system for a low velocity launch. The M1041 is required to hit targets accurately out to 12 meters. The cartridge has been safety certified to be fired in close proximity at properly protected human subjects. This item is Code A, approved for service use.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
1450EA3000 / CTG, Handgun, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E05210 / CTG, 9mm Ball, M882 (Combat Pack) [A363]		A		- / 84.374	- / 0.018	- / 0.001	- / -	- / -	- / -
P-5	E05218 / CTG, Modular Handgun Ammo	P-5a, P-21	B		- / 46.592	- / -	- / 6.186	- / 6.323	- / -	- / 6.323
P-5	E96105 / CTG, 9mm Marking, M1041 (Blue) [AB13]		A		- / 3.851	- / 0.299	- / 0.120	- / 0.071	- / -	- / 0.071
P-5	E96107 / CTG, 9mm Marking, M1041 (Red) [AB14]		A		- / 2.709	- / -	- / 0.290	- / 0.067	- / -	- / 0.067
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 137.526</b>	<b>- / 0.317</b>	<b>- / 6.597</b>	<b>- / 6.461</b>	<b>- / -</b>	<b>- / 6.461</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense (DoD) Instruction 3000.04 (Munitions Requirements Process) and Army Regulation (AR) 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$6.461 million supports the procurement of 21.770 million cartridges.

(E05210) CTG 9MM BALL, M882 (Combat Pack) is a training standard item used in both training and combat. There is no FY 2025 budget request for this item.  
 Type Classification Date: 1985

(E05218) CTG MODULAR HANDGUN SYSTEM AMMUNITION is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$6.323 million supports the procurement of 21.548 million 9mm Modular Handgun Ammo M1152 Ball, Military Pack cartridges.  
 Type Classification Date: M1152/M1153/M156 June 2019; XM1157 Blank pending.

(E96105) CTG 9MM MARKING, M1041 (BLUE) is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.071 million supports the procurement of 0.114 million 9mm Marking, M1041 (Blue) cartridges.  
 Type Classification Date: 2009

(E96107) CTG, 9MM MARKING, M1041 (RED) is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.067 million supports the procurement of 0.108 million 9mm Marking, M1041 (Red) cartridges.  
 Type Classification Date: 2009

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E05210 / CTG, 9mm Ball, M882 (Combat Pack) [A363]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				84.374	0.018	0.001	-	-	-
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				84.374	0.018	0.001	-	-	-
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>84.374</b>	<b>0.018</b>	<b>0.001</b>	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND	0.16	521,482K	83.644	0.22	77,819	0.017	0.22	4,012	0.001	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	83.437	-	-	0.017	-	-	0.001	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>83.437</b>	-	-	<b>0.017</b>	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.010</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.818	-	-	0.001	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.818</b>	-	-	<b>0.001</b>	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.010	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.010</b>	-	-	-	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>84.374</b>	-	-	<b>0.018</b>	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E05218 / CTG, Modular Handgun Ammo

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				46.592	-	6.186	6.323	-	6.323
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				46.592	-	6.186	6.323	-	6.323
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>46.592</b>	<b>-</b>	<b>6.186</b>	<b>6.323</b>	<b>-</b>	<b>6.323</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	0.20	209,785K	41.078	-	-	-	0.23	24,377,968	5.607	0.25	21,547,853	5.387	-	-	-	0.25	21,547,853	5.387
<i>Subtotal: Recurring Cost</i>	-	-	41.118	-	-	-	-	-	5.607	-	-	5.387	-	-	-	-	-	5.387
<i>Subtotal: Hardware Cost</i>	-	-	<b>41.118</b>	-	-	-	-	-	<b>5.607</b>	-	-	<b>5.387</b>	-	-	-	-	-	<b>5.387</b>
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	0.020	-	-	-	-	-	-	-	-	0.012	-	-	-	-	-	0.012
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.023</b>	-	-	-	-	-	-	-	-	<b>0.012</b>	-	-	-	-	-	<b>0.012</b>
Support - Product Improvement Cost																		
Reliability	-	-	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Environmental Initiatives	-	-	-	-	-	-	-	-	0.038	-	-	0.035	-	-	-	-	-	0.035
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>0.030</b>	-	-	-	-	-	<b>0.038</b>	-	-	<b>0.035</b>	-	-	-	-	-	<b>0.035</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	5.454	-	-	-	-	-	0.537	-	-	0.881	-	-	-	-	-	0.881
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>5.454</b>	-	-	-	-	-	<b>0.537</b>	-	-	<b>0.881</b>	-	-	-	-	-	<b>0.881</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.076	-	-	-	-	-	0.004	-	-	0.008	-	-	-	-	-	0.008

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types						<b>Item Number / Title [DODIC]:</b> E05218 / CTG, Modular Handgun Ammo					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.076	-	-	-	-	-	0.004	-	-	0.008	-	-	-	-	-	0.008
<b>Gross/Weapon System Cost</b>	-	-	46.592	-	-	-	-	-	6.186	-	-	6.323	-	-	-	-	-	6.323

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E05218 / CTG, Modular Handgun Ammo
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	24,377,968	0.23	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	21,547,853	0.25	Y		

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

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Exhibit P-21, Production Schedule: PB 2025 Army Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30 P-1 Line Item Number / Title: 1450EA3000 / CTG, Handgun, All Types Item Number / Title [DODIC]: E05218 / CTG, Modular Handgun Ammo

Table with columns for Cost Elements, Fiscal Year 2024, Fiscal Year 2025, and BALANCE. Rows include AF, ARMY, CG, MC, NAVSEA, NSOF, and Total for years 2024 and 2025.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 1450EA3000 / CTG, Handgun, All Types **Item Number / Title [DODIC]:** E05218 / CTG, Modular Handgun Ammo

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2026													Fiscal Year 2027													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
Prior Years Deliveries: 209784917																																	
1	2024	AF (+)		12.009	12.009	.000																							.000				
1	2024	ARMY		24.378	24.378	.000																							.000				
1	2024	CG (+)		.904	.904	.000																							.000				
1	2024	MC (+)		16.804	16.804	.000																							.000				
1	2024	NAVSEA (+)		6.805	6.805	.000																							.000				
1	2024	NSOF (+)		6.085	6.085	.000																							.000				
1	2024	<b>Total</b>		<b>66.985</b>	<b>66.985</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
1	2025	AF (+)		10.904	.000	10.904	-	-	-	-	-	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.909	.000				
1	2025	ARMY		21.548	.000	21.548	-	-	-	-	-	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	1.796	.000					
1	2025	MC (+)		31.656	.000	31.656	-	-	-	-	-	2.595	2.595	2.595	2.595	2.595	2.595	2.595	2.681	2.681	2.681	2.681	2.681	2.681	2.681	2.681	2.681	.000					
1	2025	NAVSEA (+)		8.724	.000	8.724	-	-	-	-	-	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.000					
1	2025	NSOF (+)		5.016	.000	5.016	-	-	-	-	-	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.418	.000					
1	2025	<b>Total</b>		<b>77.848</b>	<b>.000</b>	<b>77.848</b>	-	-	-	-	-	<b>6.445</b>	<b>6.445</b>	<b>6.445</b>	<b>6.445</b>	<b>6.445</b>	<b>6.445</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>6.530</b>	<b>.000</b>					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			



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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E05218 / CTG, Modular Handgun Ammo
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN CORPORATION WINCHESTER - OXFORD, MS	1,000	7,500,000	12,000,000	6	6	6	12	6	6	12	18

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E96105 / CTG, 9mm Marking, M1041 (Blue) [AB13]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			3.851	0.299	0.120	0.071	-	0.071
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			3.851	0.299	0.120	0.071	-	0.071
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>3.851</b>	<b>0.299</b>	<b>0.120</b>	<b>0.071</b>	-	<b>0.071</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round	0.58	6,560,209	3.785	0.54	500,231	0.272	0.56	197,461	0.111	0.57	114,247	0.065	-	-	-	0.57	114,247	0.065
<i>Subtotal: Recurring Cost</i>	-	-	3.785	-	-	0.272	-	-	0.111	-	-	0.065	-	-	-	-	-	0.065
<i>Subtotal: Hardware Cost</i>	-	-	3.785	-	-	0.272	-	-	0.111	-	-	0.065	-	-	-	-	-	0.065
Support - Production Engineering Cost																		
Production Engineering	-	-	0.067	-	-	0.027	-	-	0.009	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.067	-	-	0.027	-	-	0.009	-	-	0.005	-	-	-	-	-	0.005
<b>Gross/Weapon System Cost</b>	-	-	3.851	-	-	0.299	-	-	0.120	-	-	0.071	-	-	-	-	-	0.071

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1450EA3000 / CTG, Handgun, All Types	<b>Item Number / Title [DODIC]:</b> E96107 / CTG, 9mm Marking, M1041 (Red) [AB14]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			2.709	-	0.290	0.067	-	0.067
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			2.709	-	0.290	0.067	-	0.067
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			<b>2.709</b>	<b>-</b>	<b>0.290</b>	<b>0.067</b>	<b>-</b>	<b>0.067</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round	0.59	4,392,861	2.574	-	-	-	0.56	477,199	0.267	0.57	107,811	0.061	-	-	-	0.57	107,811	0.061
<i>Subtotal: Recurring Cost</i>	-	-	2.574	-	-	-	-	-	0.267	-	-	0.061	-	-	-	-	-	0.061
<i>Subtotal: Hardware Cost</i>	-	-	2.574	-	-	-	-	-	0.267	-	-	0.061	-	-	-	-	-	0.061
Support - Production Engineering Cost																		
Production Engineering	-	-	0.136	-	-	-	-	-	0.023	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.136	-	-	-	-	-	0.023	-	-	0.005	-	-	-	-	-	0.005
<b>Gross/Weapon System Cost</b>	-	-	2.709	-	-	-	-	-	0.290	-	-	0.067	-	-	-	-	-	0.067

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,658.891	108.556	41.534	50.002	-	50.002	80.399	74.199	87.990	89.770	-	3,191.341
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,658.891	108.556	41.534	50.002	-	50.002	80.399	74.199	87.990	89.770	-	3,191.341
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,658.891</b>	<b>108.556</b>	<b>41.534</b>	<b>50.002</b>	<b>-</b>	<b>50.002</b>	<b>80.399</b>	<b>74.199</b>	<b>87.990</b>	<b>89.770</b>	<b>-</b>	<b>3,191.341</b>

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

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

**Description:**

This budget line includes .50 CAL ALL TYPES.

(E06700) CTG .50 Caliber M8, Armor Piercing Incendiary (API) Cartridge, packed single round, is used in the M107 and M82A1 Long Range Sniper Rifles. This cartridge is identified with a gray bullet tip. This is used in .50 Caliber Sniper training, a cost-effective training round over the more expensive MK211 Long Range Sniper ammunition, and minimizes training range limitations. This item is Code A, approved for service use.

(E06903) CTG .50 Caliber M8/M20 Tracer, Armor Piercing Incendiary (API) linked 4 to 1 in a 100 cartridge belt with the M9 link for use in the M2, M2A1, and M3 Machine Gun. M8 is identified with a gray bullet tip. M20 is identified with a red bullet tip with a gray annulus. This item is Code A, approved for service use.

(E07100) CTG .50 Caliber Cartridge Ball M33 is linked in 100 cartridge belts with the M9 link, for use in the M2, M2A1, and M3 Machine Gun. M33 is identified with a plain bullet tip. This item is Code A, approved for service use.

(E07200) CTG .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked 4 to 1 in a 100 cartridge belt with the M9 link for use in M2, M2A1, and M3 Machine Gun against unarmored targets. The tracer cartridge permits observation of the bullet's trajectory to the point of impact. M17 is identified with a brown bullet tip. M33 is identified with a plain bullet tip. This item is Code A, approved for service use.

(E07302) CTG .50 Caliber Blank Cartridge, M1A1 linked in a 100 cartridge belt with the M9 link for use in the M2 and M2A1 Machine Gun. This cartridge is a blank cartridge with a rosette crimp at the mouth used to simulate firing in training exercises in conjunction with the M19 Blank Firing Attachment (BFA). This item is Code A, approved for service use.

(E07307) .50 Caliber Reduced Range Cartridges, XM1181/XM1199, are issued in a 100 cartridge belt with the M9 link for use in the M2 machine gun family. These cartridges are conventional small-caliber munitions with a newly designed projectile used for live fire training on ranges with reduced Surface Danger Zones (SDZ). They are intended for training use only and are not suitable for combat. These items are Code B, not approved for service use.

(F88000) .50 Caliber Saboted Light Armor Penetrator (SLAP), M903 cartridge consists of a low-drag, tungsten-alloy penetrator encased in a lightweight plastic sabot loaded into otherwise conventional Caliber .50 cartridge components. The projectile assembly is launched at high velocity and the sabot is discarded shortly after muzzle exit. The companion M962 SLAP-Tracer cartridge is similar in configuration

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A

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

to the M903 except that the penetrator has a cavity containing tracer mix. The M962 provides the precision of delivery necessary to take full advantage of the penetrator cartridge capability. This ammunition is linked to four M903 SLAP to one M962 tracer for use in the M2 Heavy Barrel Machine Gun. The SLAP is used in combat against current and future light armored targets and Armored Attack Helicopters (AAHs). The M903 provides the M2 Machine Gun with a more effective capability against improved armored vehicles increasing penetration of light armor by a factor of two to three times at any given range over that of currently available ammunition. The item is Code A, approved for service use.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
1722E08000 / CTG, .50 Cal, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E06700 / CTG, .50cal API, M8, Single Round [A531]		A		- / 5.690	- / 0.013	- / 0.001	- / -	- / -	- / -
P-5	E06903 / CTG, .50Cal Linked, 4 API M8/1 Tracer M20 w/M9Link	P-5a	A		- / 397.279	- / 10.943	- / -	- / -	- / -	- / -
P-5	E07100 / CTG, .50cal Ball, M2 w/ M33 Link [A555]	P-5a	A		- / 300.074	- / 0.181	- / 1.719	- / 4.144	- / -	- / 4.144
P-5	E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]	P-5a, P-21	A		- / 1,550.789	- / 80.056	- / 34.136	- / 21.652	- / -	- / 21.652
P-5	E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]	P-5a, P-21	A		- / 138.168	- / 5.193	- / 4.678	- / 5.886	- / -	- / 5.886
P-5	E07307 / CTG, .50CAL REDUCE RANGE AMMUNITION (RRA)	P-5a	B		- / -	- / -	- / 1.000	- / 5.412	- / -	- / 5.412
P-5	F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link	P-5a, P-21	A		- / 266.891	- / 12.170	- / -	- / 12.908	- / -	- / 12.908
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,658.891</b>	<b>- / 108.556</b>	<b>- / 41.534</b>	<b>- / 50.002</b>	<b>- / -</b>	<b>- / 50.002</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY2025 Base Budget supports the Minimum Sustaining Rates at both Lake City Army Ammunition Plant (LCAAP) as well as the Second Source facility in Oxford, MS.

FY 2025 Total Base dollars in the amount of \$50.002 million support procurement of 12.103 million rounds in support of the National Defense Strategy and Combatant Command (COCOM) requirements. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or Foreign Military Sales (FMS) to increase procurement of .50 CAL ALL TYPES when possible.

The FY 2023 actuals for base include \$48.373 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E06700) CTG .50 Caliber M8, Armor Piercing Incendiary (API) Cartridge is a training standard item used in training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.  
 Type classification date: 1944

(E06903) CTG .50 Caliber M8/M20 Tracer, Armor Piercing Incendiary (API) linked 4 to 1 in a 100 round belt with the M9 link. This is a training standard item used in training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.  
 Type classification date: M8 1944, M17 1950, M20 1953.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

(E07100) CTG .50 Caliber Cartridge Ball M33 is linked in 100 round belts with the M9 link. This is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 procurement dollars in the amount of \$3.962 million support the procurement of 1.279 million .50 Caliber Cartridge Ball M33 Cartridges. FY 2025 Base dollars in the amount of \$0.182 million support the enduring COCOM requirement for procurement of 0.065 million .50 Caliber Cartridge Ball M33 Cartridges to deter potential adversaries and support the European Deterrence Initiative.  
Type classification date: 1951

(E07200) CTG .50 Caliber Cartridge, Ball M33 and Cartridge, Tracer M17 linked 4 to 1 in a 100 round belt with the M9 link. This is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$21.652 million supports the procurement of 6.612 million M33 .50 Caliber Ball Cartridges linked with M17 Tracer Cartridges.  
Type classification date: 1968

(E07302) CTG .50 Caliber Blank Cartridge, M1A1 linked with the M9 link. This is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$5.886 million supports the procurement of 2.557 million .50 Caliber Blank Cartridge, M1A1 Cartridges.  
Type classification date: 1980

(E07307).50 Caliber Reduced Range Cartridges - These are training unique items, not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$5.412 million supports the procurement of 1.110 million .50 Caliber Reduced Range Cartridges.  
Type classification date: Pending 2024

(F88000) .50 Caliber Saboted Light Armor Penetrator (SLAP), M903 cartridge. This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$12.908 million supports the procurement of 0.480 million Cartridges.  
TYPE CLASSIFICATION DATE: March 1993

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E06700 / CTG, .50cal API, M8, Single Round [A531]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	5.690	0.013	0.001	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	5.690	0.013	0.001	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>5.690</b>	<b>0.013</b>	<b>0.001</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round	409.70	13,877	5.685	2.96	2,543	0.008	2.99	322	0.001	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	5.685	-	-	0.008	-	-	0.001	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>5.685</b>	-	-	<b>0.008</b>	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.000	-	-	0.001	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	0.001	-	-	0.000	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>5.690</b>	-	-	<b>0.013</b>	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E06903 / CTG, .50Cal Linked, 4 API M8/1 Tracer M20 w/M9Link

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	397.279	10.943	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	397.279	10.943	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>397.279</b>	<b>10.943</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	397.279	2.96	3,454,215	10.238	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	397.279	-	-	10.224	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>397.279</b>	-	-	<b>10.224</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	0.704	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	<b>0.704</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	-	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>397.279</b>	-	-	<b>10.943</b>	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> E06903 / CTG, .50Cal Linked, 4 API M8/1 Tracer M20 w/M9Link					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Apr 2024	3,454,215	2.95	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> E07100 / CTG, .50cal Ball, M2 w/ M33 Link [A555]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				300.074	0.181	1.719	4.144	-	4.144
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				300.074	0.181	1.719	4.144	-	4.144
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>300.074</b>	<b>0.181</b>	<b>1.719</b>	<b>4.144</b>	<b>-</b>	<b>4.144</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	35.74	8,337,807	297.993	2.74	60,205	0.165	2.77	566,311	1.569	2.78	1,343,853	3.736	-	-	-	2.78	1,343,853	3.736
<i>Subtotal: Recurring Cost</i>	-	-	297.993	-	-	0.165	-	-	1.569	-	-	3.736	-	-	-	-	-	3.736
<i>Subtotal: Hardware Cost</i>	-	-	<b>297.993</b>	-	-	<b>0.165</b>	-	-	<b>1.569</b>	-	-	<b>3.736</b>	-	-	-	-	-	<b>3.736</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	2.079	-	-	0.016	-	-	0.148	-	-	0.408	-	-	-	-	-	0.408
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>2.079</b>	-	-	<b>0.016</b>	-	-	<b>0.148</b>	-	-	<b>0.408</b>	-	-	-	-	-	<b>0.408</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.002	-	-	0.000	-	-	0.002	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.002</b>	-	-	-	-	-	<b>0.002</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>300.074</b>	-	-	<b>0.181</b>	-	-	<b>1.719</b>	-	-	<b>4.144</b>	-	-	-	-	-	<b>4.144</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> E07100 / CTG, .50cal Ball, M2 w/ M33 Link [A555]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Apr 2024	60,205	2.74	Y		
COMPLETE ROUND		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	566,311	2.77	Y		
COMPLETE ROUND		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2025	1,343,853	2.78	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			1,550.789	80.056	34.136	21.652	-	21.652
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			1,550.789	80.056	34.136	21.652	-	21.652
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>1,550.789</b>	<b>80.056</b>	<b>34.136</b>	<b>21.652</b>	-	<b>21.652</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	2.62	576,540K	1,509.381	2.83	26,238,111	74.254	3.00	10,418,398	31.255	2.96	6,611,823	19.571	-	-	-	2.96	6,611,823	19.571
Subtotal: Recurring Cost	-	-	1,509.381	-	-	74.254	-	-	31.255	-	-	19.571	-	-	-	-	-	19.571
Subtotal: Hardware Cost	-	-	<b>1,509.381</b>	-	-	<b>74.254</b>	-	-	<b>31.255</b>	-	-	<b>19.571</b>	-	-	-	-	-	<b>19.571</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	0.125	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	-	-	-	-	-	-	<b>0.125</b>	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	41.313	-	-	5.899	-	-	2.749	-	-	2.072	-	-	-	-	-	2.072
Subtotal: Support - Production Engineering Cost	-	-	<b>41.313</b>	-	-	<b>5.899</b>	-	-	<b>2.749</b>	-	-	<b>2.072</b>	-	-	-	-	-	<b>2.072</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.095	-	-	0.006	-	-	0.007	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.095</b>	-	-	<b>0.006</b>	-	-	<b>0.007</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>1,550.789</b>	-	-	<b>80.056</b>	-	-	<b>34.136</b>	-	-	<b>21.652</b>	-	-	-	-	-	<b>21.652</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Apr 2024	19,533,150	2.70	Y		
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Mar 2024	6,704,961	2.95	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	8,855,638	3.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	1,562,760	3.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	5,664,743	2.96	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN CORPORATION WINCHESTER / OXFORD, MS	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	947,080	3.06	Y		

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

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]									

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2023												Fiscal Year 2024												B A L A N C E								
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									
2		2025	NSOF (*)	.013	.000	.013																																	.013
2		2025	<b>Total</b>	<b>1.612</b>	<b>.000</b>	<b>1.612</b>																																<b>1.612</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									



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<b>Exhibit P-21, Production Schedule: PB 2025 Army</b>															<b>Date: March 2024</b>														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>				Fiscal Year 2025												Fiscal Year 2026												BALANCE							
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P				
COMPLETE ROUND																																			
Prior Years Deliveries: 576539694																																			
1	2023	AF (+)		.918	.459	.459	.076	.076	.076	.076	.076	.076																						.000	
1	2023	ARMY		19.533	9.767	9.767	1.628	1.628	1.628	1.628	1.628	1.628																							.000
1	2023	CG (+)		.079	.040	.040	.007	.007	.007	.007	.007	.007																						.000	
1	2023	NAVSEA (+)		2.786	1.393	1.393	.232	.232	.232	.232	.232	.232																						.000	
1	2023	NSOF (+)		.170	.085	.085	.014	.014	.014	.014	.014	.014																						.000	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>23.486</b>	<b>11.743</b>	<b>11.743</b>	<b>1.957</b>	<b>1.957</b>	<b>1.957</b>	<b>1.957</b>	<b>1.957</b>	<b>1.957</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
2	2023	AF (+)		.162	.094	.067	.013	.013	.013	.013	.013																							.000	
2	2023	ARMY		6.705	3.911	2.794	.559	.559	.559	.559	.559																							.000	
2	2023	CG (+)		.012	.007	.005	*	*	*	*	*																							.000	
2	2023	NAVSEA (+)		.492	.287	.205	.041	.041	.041	.041	.041																							.000	
2	2023	NSOF (+)		.030	.018	.012	.002	.002	.002	.002	.002																							.000	
<b>2</b>	<b>2023</b>	<b>Total</b>		<b>7.400</b>	<b>4.317</b>	<b>3.084</b>	<b>.617</b>	<b>.617</b>	<b>.617</b>	<b>.617</b>	<b>.617</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
1	2024	ARMY		8.856	.000	8.856	-	-	-	-	-																							.000	
2	2024	ARMY		1.563	.000	1.563	-	-	-	-	-	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130	.130										.000		
1	2025	AF (+)		1.062	.000	1.062						A -	-	-	-	-	-	-	-	-	-	-											.443		
1	2025	ARMY		5.665	.000	5.665						A -	-	-	-	-	-	-	-	-	-	-											2.360		
1	2025	CG (+)		.068	.000	.068						A -	-	-	-	-	-	-	-	-	-	-											.028		
1	2025	NAVSEA (+)		2.947	.000	2.947						A -	-	-	-	-	-	-	-	-	-	-											1.228		
1	2025	NSOF (+)		.075	.000	.075						A -	-	-	-	-	-	-	-	-	-	-											.031		
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>9.817</b>	<b>.000</b>	<b>9.817</b>						-	-	-	-	-	-	-	-	-	-	-											<b>4.090</b>		
2	2025	AF (+)		.170	.000	.170						A -	-	-	-	-	-	-	-	-	-	-											.071		
2	2025	ARMY		.947	.000	.947						A -	-	-	-	-	-	-	-	-	-	-											.395		
2	2025	CG (+)		.011	.000	.011						A -	-	-	-	-	-	-	-	-	-	-											.005		
2	2025	NAVSEA (+)		.471	.000	.471						A -	-	-	-	-	-	-	-	-	-	-											.196		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2025 Army Date: March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]
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Cost Elements <small>(Units in Millions, * = &lt; 500)</small>							Fiscal Year 2025															Fiscal Year 2026															BALANCE		
O C C #	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 4	B A L D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									
2	2025	NSOF (+)		.013	.000	.013																																	
2	2025	Total		1.612	.000	1.612																																	.672
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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<b>Exhibit P-21, Production Schedule: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2027													Fiscal Year 2028													B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
Prior Years Deliveries: 576539694																																	
1	2023		AF (+)	.918	.918	.000																							.000				
1	2023		ARMY	19.533	19.533	.000																							.000				
1	2023		CG (+)	.079	.079	.000																							.000				
1	2023		NAVSEA (+)	2.786	2.786	.000																							.000				
1	2023		NSOF (+)	.170	.170	.000																							.000				
<b>1</b>	<b>2023</b>		<b>Total</b>	<b>23.486</b>	<b>23.486</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
2	2023		AF (+)	.162	.162	.000																							.000				
2	2023		ARMY	6.705	6.705	.000																							.000				
2	2023		CG (+)	.012	.012	.000																							.000				
2	2023		NAVSEA (+)	.492	.492	.000																							.000				
2	2023		NSOF (+)	.030	.030	.000																							.000				
<b>2</b>	<b>2023</b>		<b>Total</b>	<b>7.400</b>	<b>7.400</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
1	2024		ARMY	8.856	8.856	.000																							.000				
2	2024		ARMY	1.563	1.563	.000																							.000				
1	2025		AF (+)	1.062	.620	.443	.089	.089	.089	.089	.089																		.000				
1	2025		ARMY	5.665	3.304	2.360	.472	.472	.472	.472	.472																		.000				
1	2025		CG (+)	.068	.040	.028	.006	.006	.006	.006	.006																		.000				
1	2025		NAVSEA (+)	2.947	1.719	1.228	.246	.246	.246	.246	.246																		.000				
1	2025		NSOF (+)	.075	.044	.031	.006	.006	.006	.006	.006																		.000				
<b>1</b>	<b>2025</b>		<b>Total</b>	<b>9.817</b>	<b>5.726</b>	<b>4.090</b>	<b>.818</b>	<b>.818</b>	<b>.818</b>	<b>.818</b>	<b>.818</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
2	2025		AF (+)	.170	.099	.071	.014	.014	.014	.014	.014																		.000				
2	2025		ARMY	.947	.552	.395	.079	.079	.079	.079	.079																		.000				
2	2025		CG (+)	.011	.007	.005	*	*	*	*	*																		.000				
2	2025		NAVSEA (+)	.471	.275	.196	.039	.039	.039	.039	.039																		.000				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>							Fiscal Year 2027										Fiscal Year 2028										B A L A N C E								
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027										Calendar Year 2028																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P				
	2	2025	NSOF (+)	.013	.007	.005	.001	.001	.001	.001	.001																								.000
	2	2025	<b>Total</b>	<b>1.612</b>	<b>.940</b>	<b>.672</b>	<b>.134</b>	<b>.134</b>	<b>.134</b>	<b>.134</b>	<b>.134</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> E07200 / CTG, .50cal 4 Ball M33 / 1 Tracer M17 w/M9 Link [A557]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	1,680	19,400,000	67,500,000	6	6	12	18	6	6	12	18
2	OLIN CORPORATION WINCHESTER - OXFORD, MS	1,680	19,400,000	67,500,000	6	6	12	18	6	6	12	18

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	138.168	5.193	4.678	5.886	-	5.886
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	138.168	5.193	4.678	5.886	-	5.886
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>138.168</b>	<b>5.193</b>	<b>4.678</b>	<b>5.886</b>	<b>-</b>	<b>5.886</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	1.07	125,401K	133.677	1.94	2,432,188	4.718	1.97	2,124,433	4.185	2.02	2,556,577	5.164	-	-	-	2.02	2,556,577	5.164
<i>Subtotal: Recurring Cost</i>	-	-	133.677	-	-	4.718	-	-	4.185	-	-	5.164	-	-	-	-	-	5.164
<i>Subtotal: Hardware Cost</i>	-	-	<b>133.677</b>	-	-	<b>4.718</b>	-	-	<b>4.185</b>	-	-	<b>5.164</b>	-	-	-	-	-	<b>5.164</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	4.517	-	-	0.475	-	-	0.482	-	-	0.710	-	-	-	-	-	0.710
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>4.517</b>	-	-	<b>0.475</b>	-	-	<b>0.482</b>	-	-	<b>0.710</b>	-	-	-	-	-	<b>0.710</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.017	-	-	0.006	-	-	0.009	-	-	0.008	-	-	-	-	-	0.008
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.017</b>	-	-	<b>0.006</b>	-	-	<b>0.009</b>	-	-	<b>0.008</b>	-	-	-	-	-	<b>0.008</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>138.168</b>	-	-	<b>5.193</b>	-	-	<b>4.678</b>	-	-	<b>5.886</b>	-	-	-	-	-	<b>5.886</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]				

Cost Elements	O 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
Complete Round <sup>(†)</sup>		2023	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Apr 2024	2,432,188	1.94	Y		
Complete Round <sup>(†)</sup>		2024	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Apr 2025	2,124,433	1.97	Y		
Complete Round <sup>(†)</sup>		2025	OLIN WINCHESTER, LLC - LCAAP / INDEPENDENCE, MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	2,556,577	2.02	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E																						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024																																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																								
Complete Round																																																						
Prior Years Deliveries: 125400680																																																						
1		2023	ARMY	2.432	.000	2.432																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.203	.203	.203	.203	.203	.203	.203	1.216
1		2023	NSOF (+)	.804	.000	.804																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.067	.067	.067	.067	.067	.067	.067	.402
<b>1</b>		<b>2023</b>	<b>Total</b>	<b>3.236</b>	<b>.000</b>	<b>3.236</b>																							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.270	.270	.270	.270	.270	.270	.270	<b>1.618</b>
1		2024	ARMY	2.124	.000	2.124																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.124	
1		2025	ARMY	2.557	.000	2.557																																															2.557	
1		2025	NAVSEA (+)	.169	.000	.169																																															.169	
1		2025	NSOF (+)	.364	.000	.364																																														.364		
<b>1</b>		<b>2025</b>	<b>Total</b>	<b>3.089</b>	<b>.000</b>	<b>3.089</b>																																														<b>3.089</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																								



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
Complete Round																																					
Prior Years Deliveries: 125400680																																					
1	2023	ARMY	2.432	1.216	1.216	.203	.203	.203	.203	.203	.203																							.000			
1	2023	NSOF (+)	.804	.402	.402	.067	.067	.067	.067	.067	.067																							.000			
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>3.236</b>	<b>1.618</b>	<b>1.618</b>	<b>.270</b>	<b>.270</b>	<b>.270</b>	<b>.270</b>	<b>.270</b>	<b>.270</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
1	2024	ARMY	2.124	.000	2.124	-	-	-	-	-	-	.177	.177	.177	.177	.177	.177	.177	.177	.177	.177	.177												.000			
1	2025	ARMY	2.557	.000	2.557							A -	-	-	-	-	-	-	-	-	-	-	.213	.213	.213	.213	.213	.213	.213	.213	.213		1.065				
1	2025	NAVSEA (+)	.169	.000	.169							A -	-	-	-	-	-	-	-	-	-	.014	.014	.014	.014	.014	.014	.014	.014	.014		.070					
1	2025	NSOF (+)	.364	.000	.364							A -	-	-	-	-	-	-	-	-	-	.030	.030	.030	.030	.030	.030	.030	.030	.030		.152					
<b>1</b>	<b>2025</b>	<b>Total</b>	<b>3.089</b>	<b>.000</b>	<b>3.089</b>							-	-	-	-	-	-	-	-	-	-	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>1.287</b>				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2027													Fiscal Year 2028													BALANCE				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Complete Round																																			
Prior Years Deliveries: 125400680																																			
	1	2023	ARMY	2.432	2.432	.000																													.000
	1	2023	NSOF (+)	.804	.804	.000																													.000
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>3.236</b>	<b>3.236</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
	1	2024	ARMY	2.124	2.124	.000																													.000
	1	2025	ARMY	2.557	1.491	1.065	.213	.213	.213	.213	.213																								.000
	1	2025	NAVSEA (+)	.169	.099	.070	.014	.014	.014	.014	.014																								.000
	1	2025	NSOF (+)	.364	.212	.152	.030	.030	.030	.030	.030																								.000
	<b>1</b>	<b>2025</b>	<b>Total</b>	<b>3.089</b>	<b>1.802</b>	<b>1.287</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	<b>.257</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> E07302 / CTG, .50cal Blank, M1A1 w/M9 Link [A598]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER, LLC - LCAAP - INDEPENDENCE, MO	200	1,670,000	5,000,000	6	6	18	24	6	6	12	18

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> E07307 / CTG, .50CAL REDUCE RANGE AMMUNITION (RRA)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	1.000	5.412	-	5.412
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	1.000	5.412	-	5.412
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	-	<b>1.000</b>	<b>5.412</b>	-	<b>5.412</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	4.60	203,061	0.934	4.48	1,109,803	4.972	-	-	-	4.48	1,109,803	4.972
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.934	-	-	4.972	-	-	-	-	-	4.972
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	0.934	-	-	4.972	-	-	-	-	-	4.972
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.066	-	-	0.440	-	-	-	-	-	0.440
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.066	-	-	0.440	-	-	-	-	-	0.440
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	1.000	-	-	5.412	-	-	-	-	-	5.412

**Remarks:**

Production Engineering changes from FY 2024 to FY 2025 are commensurate with changes in procurement quantities.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> E07307 / CTG, .50CAL REDUCE RANGE AMMUNITION (RRA)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	203,061	4.60	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	1,109,803	4.48	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types	<b>Item Number / Title [DODIC]:</b> F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	266.891	12.170	-	12.908	-	12.908
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	266.891	12.170	-	12.908	-	12.908
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>266.891</b>	<b>12.170</b>	<b>-</b>	<b>12.908</b>	<b>-</b>	<b>12.908</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	156.24	1,708,200	266.893	30.00	365,100	10.953	-	-	-	25.52	479,539	12.238	-	-	-	25.52	479,539	12.238
Subtotal: Recurring Cost	-	-	266.893	-	-	10.953	-	-	-	-	-	12.238	-	-	-	-	-	12.238
Subtotal: Hardware Cost	-	-	<b>266.893</b>	-	-	<b>10.953</b>	-	-	-	-	-	<b>12.238</b>	-	-	-	-	-	<b>12.238</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.000	-	-	1.217	-	-	-	-	-	0.663	-	-	-	-	-	0.663
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	<b>1.217</b>	-	-	-	-	-	<b>0.663</b>	-	-	-	-	-	<b>0.663</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	0.004
Subtotal: Support - Quality Assurance Cost	-	-	-	-	-	-	-	-	-	-	-	<b>0.004</b>	-	-	-	-	-	<b>0.004</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>266.891</b>	-	-	<b>12.170</b>	-	-	-	-	-	<b>12.908</b>	-	-	-	-	-	<b>12.908</b>

**Remarks:**  
Prior Year unit cost included cost to reestablish production capability not used since 2012.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types				<b>Item Number / Title [DODIC]:</b> F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	OLIN WINCHESTER LLC- LCAAP / INDEPENDENCE MO	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Mar 2024	365,100	30.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	OLIN WINCHESTER LLC- LCAAP / INDEPENDENCE MO	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	479,539	25.52	Y		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																					<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link															
Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025										Fiscal Year 2026										B A L A N C E									
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025										Calendar Year 2026																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y	J U N	J U L	A U G	S E P				
COMPLETE ROUND																																			
Prior Years Deliveries: 1708200																																			
1		2023	ARMY	365.100	212.975	152.125	30.425	30.425	30.425	30.425	30.425																		.000						
1		2025	ARMY	479.539	.000	479.539						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.968	39.961	39.961	39.961	39.961	39.961	39.961	39.961	199.805
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S				
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	E	A	A	A	U	U	A	S				
							T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	U	G	P				

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types										<b>Item Number / Title [DODIC]:</b> F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R  T O 1 O C T  2 0 2 6	BAL D U E  A S O F  1 O C T	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																																					
Prior Years Deliveries: 1708200																																					
1	2023	ARMY	365.100	365.100	.000																																.000
1	2025	ARMY	479.539	279.734	199.805	39.961	39.961	39.961	39.961	39.961																											.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 1722E08000 / CTG, .50 Cal, All Types
		<b>Item Number / Title [DODIC]:</b> F88000 / CTG, .50cal 4 SLAP M903 / 1 SLAP-T M962, w/M9 Link

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN WINCHESTER LLC-LCAAP - INDEPENDENCE MO	50,000	80,000	2,025,000	6	6	15	21	6	6	12	18

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

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

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	224.183	21.761	7.925	7.012	-	7.012	7.181	7.318	7.457	7.568	-	290.405
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	224.183	21.761	7.925	7.012	-	7.012	7.181	7.318	7.457	7.568	-	290.405
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>224.183</b>	<b>21.761</b>	<b>7.925</b>	<b>7.012</b>	<b>-</b>	<b>7.012</b>	<b>7.181</b>	<b>7.318</b>	<b>7.457</b>	<b>7.568</b>	<b>-</b>	<b>290.405</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	49.28	71.43	80.70	-	80.70	80.24	81.99	83.78	84.42	-	291.34

**Description:**

This budget line includes 20MM ALL TYPES:

(E08909) The 20MM M940 Multi-Purpose Tracer - Self-Destruct (MPT-SD) cartridge, w/ MK7 Link, is an improved, pyrotechnically initiated, 20mm High Explosive cartridge. The nose consists of a single tungsten penetrator tip designed to pierce incoming threats prior to initiation. The projectile consists of a heavy walled steel body charged with an explosive mix and an incendiary mix. The M940 is a force protection munition fired from the M61 cannon used within the Land Based Phalanx Weapon System (LPWS) for Counter-Rocket, Artillery and Mortar (C-RAM) application. The projectile self-destructs if it misses its intended target, minimizing collateral surface damage when engaging airborne targets. The M940 (JUONs) has been enhanced for improved lethality against larger rocket threats. This item is Code A, approved for service use.

(E08910) The 20MM M55A2 Target Practice (TP) Cartridge is a ballistically matched training round that simulates the tactical 20MM M56 High Explosive Incendiary (HEI) Cartridge. The Land Based Phalanx Weapon System (LPWS) is able to adjust ballistics to account for differences between M940 and M55A2. M55A2 supports training on the M61 cannon used within the LPWS for Counter-Rocket, Artillery and Mortar (C-RAM) application. This item is Code A, approved for service use.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army	<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types

<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E08909 / CTG, 20mm MPT-SD, M940 w/MK7 Link [AC34]	P-5a	A		- / 224.183	- / 11.291	- / 3.677	- / 3.627	- / -	- / 3.627
P-5	E08910 / Cartridge, 20MM, Practice	P-5a	A		- / -	- / 10.470	- / 4.248	- / 3.385	- / -	- / 3.385
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 224.183</b>	<b>- / 21.761</b>	<b>- / 7.925</b>	<b>- / 7.012</b>	<b>- / -</b>	<b>- / 7.012</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base procurement dollars in the amount of \$7.012 million support procurement of 0.113 million cartridges.

(E08909) The 20MM M940 Multi-Purpose Tracer - Self-Destruct (MPT-SD) is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$3.627 million support procurement of 0.026 million M940 cartridges.  
 Type classification date: 1989

(E08910) The 20MM M55A2 Target Practice (TP) Cartridge is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$3.385 million support the procurement of 0.087 million M55A2 cartridges.  
 Type classification date: Unknown, Predates Material Release Process

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types
		<b>Item Number / Title [DODIC]:</b> E08909 / CTG, 20mm MPT-SD, M940 w/ MK7 Link [AC34]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	224.183	11.291	3.677	3.627	-	3.627
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	224.183	11.291	3.677	3.627	-	3.627
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>224.183</b>	<b>11.291</b>	<b>3.677</b>	<b>3.627</b>	<b>-</b>	<b>3.627</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	36.29	5,563,587	201.879	65.88	144,558	9.523	116.87	20,742	2.424	118.82	26,122	3.104	-	-	-	118.82	26,122	3.104
BOX METAL M548 <sup>(†)</sup>	46.55	14,160	0.659	54.79	1,475	0.081	57.48	211	0.012	58.53	266	0.016	-	-	-	58.53	266	0.016
<i>Subtotal: Recurring Cost</i>	-	-	202.539	-	-	9.604	-	-	2.436	-	-	3.119	-	-	-	-	-	3.119
<i>Subtotal: Hardware Cost</i>	-	-	202.539	-	-	9.604	-	-	2.436	-	-	3.119	-	-	-	-	-	3.119
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	0.250	-	-	0.012	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	-	-	-	0.925	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	0.250	-	-	0.937	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	1.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	4.696	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	6.473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	15.114	-	-	1.430	-	-	0.300	-	-	0.504	-	-	-	-	-	0.504
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	15.114	-	-	1.430	-	-	0.300	-	-	0.504	-	-	-	-	-	0.504
<b>Support - Quality Assurance Cost</b>																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types	<b>Item Number / Title [DODIC]:</b> E08909 / CTG, 20mm MPT-SD, M940 w/ MK7 Link [AC34]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Quality Assurance	-	-	0.058	-	-	0.007	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.058</i>	-	-	<i>0.007</i>	-	-	<i>0.004</i>	-	-	<i>0.004</i>	-	-	-	-	-	<i>0.004</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>224.183</b>	-	-	<b>11.291</b>	-	-	<b>3.677</b>	-	-	<b>3.627</b>	-	-	-	-	-	<b>3.627</b>

**Remarks:**

Unit price increase from FY 2023 to FY 2024 is due to lower quantity being procured.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types				<b>Item Number / Title [DODIC]:</b> E08909 / CTG, 20mm MPT-SD, M940 w/ MK7 Link [AC34]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Apr 2024	144,558	65.88	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	10,371	116.87	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	10,371	116.87	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	13,061	118.82	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS02	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	13,061	118.82	Y		
BOX METAL M548		2023	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2023	1,475	54.79	Y		
BOX METAL M548		2024	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Nov 2024	211	57.48	Y		
BOX METAL M548		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Nov 2025	266	58.53	Y		

**Remarks:**  
This item is part of a combined 20mm, 25mm, & 30mm contract. Quantity split will be determined between two contractors in the year of execution.



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types			<b>Item Number / Title [DODIC]:</b> E08910 / Cartridge, 20MM, Practice		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	10.470	4.248	3.385	-	3.385
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	10.470	4.248	3.385	-	3.385
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>10.470</b>	<b>4.248</b>	<b>3.385</b>	-	<b>3.385</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	23.71	38.29	38.96	-	38.96

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	-	-	-	20.35	442,094	8.997	23.08	110,950	2.561	23.54	86,889	2.045	-	-	-	23.54	86,889	2.045
BOX METAL M548 <sup>(†)</sup>	-	-	-	54.79	4,465	0.245	57.53	1,131	0.065	58.53	877	0.051	-	-	-	58.53	877	0.051
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.241	-	-	2.626	-	-	2.097	-	-	-	-	-	2.097
<b>Subtotal: Hardware Cost</b>	-	-	-	-	-	<b>9.241</b>	-	-	<b>2.626</b>	-	-	<b>2.097</b>	-	-	-	-	-	<b>2.097</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.012	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	0.661	-	-	0.255	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	<b>0.661</b>	-	-	<b>0.267</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	0.563	-	-	1.352	-	-	1.284	-	-	-	-	-	1.284
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<b>0.563</b>	-	-	<b>1.352</b>	-	-	<b>1.284</b>	-	-	-	-	-	<b>1.284</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	0.007	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<b>0.007</b>	-	-	<b>0.004</b>	-	-	<b>0.004</b>	-	-	-	-	-	<b>0.004</b>
<b>Gross/Weapon System Cost</b>	-	-	-	<b>23.71</b>	-	<b>10.470</b>	<b>38.29</b>	-	<b>4.248</b>	<b>38.96</b>	-	<b>3.385</b>	-	-	-	<b>38.96</b>	-	<b>3.385</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types	<b>Item Number / Title [DODIC]:</b> E08910 / Cartridge, 20MM, Practice
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2382E08900 / CTG, 20mm, All Types	<b>Item Number / Title [DODIC]:</b> E08910 / Cartridge, 20MM, Practice
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Sep 2024	198,942	20.35	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Sep 2024	243,152	20.35	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	110,950	23.08	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	86,889	23.54	Y		
BOX METAL M548		2023	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2023	4,465	54.79	Y		
BOX METAL M548		2024	CONCO, INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Nov 2024	1,131	57.53	Y		
BOX METAL M548		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Nov 2025	877	58.53	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,100.566	455.790	38.760	24.246	-	24.246	24.733	25.226	25.731	26.642	-	1,721.694
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,100.566	455.790	38.760	24.246	-	24.246	24.733	25.226	25.731	26.642	-	1,721.694
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,100.566</b>	<b>455.790</b>	<b>38.760</b>	<b>24.246</b>	<b>-</b>	<b>24.246</b>	<b>24.733</b>	<b>25.226</b>	<b>25.731</b>	<b>26.642</b>	<b>-</b>	<b>1,721.694</b>

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

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

**Description:**

This budget line includes 25MM ALL TYPES:

(E08201) The 25MM High Explosive Incendiary Tracer (HEI-T) cartridge, fired from the M242 Bushmaster automatic cannon mounted on the Army's Bradley Fighting Vehicles (BFV) and the Marine Corps' Light Armored Vehicles. The M792 provides lethality against structures and vehicles. The defeat mechanism of the M792 is an explosively loaded, naturally fragmenting warhead with incendiary charge. This item is Code A, approved for service use.

(E08204) The 25MM M910 Target Practice Discarding Sabot-Tracer (TPDS-T) cartridge is a ballistically matched training round that simulates the M791 25MM Armor Piercing Discarding Sabot-Tracer (APDS-T) cartridge. The M910 is also used as a training counterpart for the M919 25MM Armor Piercing Discarding Sabot Fin Stabilized-Traced (APDSFS-T) cartridge, although the M910 cannot simulate the range of the M919. The M910 supports gunnery training for the Army's Bradley Fighting Vehicles (BFV) and Marine Corps' Light Armored Vehicles. The M910 is a percussion primed round, packed in linked belts, using the M28 metal link, of 30 cartridges per PA125 container. This item is Code A, approved for service use.

(E08209) The 25MM M794 is an inert training device. It physically mimics 25mm M792, M793, MK210, PGU-23 and PGU-25 ammunition. It is used for training of proper handling and loading of ammunition and for non-firing system training and checkout of 25mm weapons prior to exposing soldiers to live ammunition. This item is Code A, approved for service use.

(E08210) The 25MM M919 Armor Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T) cartridge is the primary anti-material cartridge for Army and Marine Corps for use on the Army's Bradley Fighting Vehicle (BFV) and Marine Corps' Light Armored Vehicle. The M919 APFSDS-T provides increased lethality against light armor threats, compared to the 25mm M791 Armor Piercing Discarding Sabot with Tracer (APDS-T). The M919 is a percussion primed round with a Depleted Uranium (DU) penetrator, packed in linked belts, using the M28 metal link, of 30 cartridges per PA125 container. This item is Code A, approved for service use.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
2650E08200 / CTG, 25mm, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E08201 / CTG 25MM HEI-T M792 [A975]	P-5a	A		- / 304.049	- / 45.888	- / -	- / -	- / -	- / -
P-5	E08204 / CTG 25MM TPDS-T M910 [A940]	P-5a, P-21	A		- / 430.722	- / 6.847	- / 36.611	- / 24.246	- / -	- / 24.246
P-5	E08209 / CTG, 25mm Dummy (DDI), M794 [A967]	P-5a	A		- / 11.618	- / -	- / 2.149	- / -	- / -	- / -
P-5	E08210 / CTG 25MM APFSDS-T M919	P-5a			- / 354.177	- / 403.055	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,100.566</b>	<b>- / 455.790</b>	<b>- / 38.760</b>	<b>- / 24.246</b>	<b>- / -</b>	<b>- / 24.246</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$24.246 million supports the procurement of 0.279 million cartridges.

The FY 2023 actuals for base include \$448.943 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E08201) The 25MM High Explosive Incendiary Tracer (HEI-T) cartridge is a war reserve item used in combat. The request builds a war reserve inventory in accordance with the Army's procurement goals. Type classification date: 1979

(E08204) The 25MM M910 Target Practice Discarding Sabot-Tracer (TPDS-T) cartridge is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$24.246 million supports the procurement of 0.279 million M910 cartridges. Type classification date: 1988

(E08209) The CTG 25MM DUMMY M794 is a training unique item not used in combat. The request supports annual training and builds a depot level in accordance with the Army's procurement goals. Type classification date: 1979

(E08210) The CTG, 25MM APFSDS-T M919 is a war reserve item used in combat. The request builds a war reserve inventory in accordance with the Army's procurement goals. Type classification date: 1993

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**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08201 / CTG 25MM HEI-T M792 [A975]
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	304.049	45.888	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	304.049	45.888	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>304.049</b>	<b>45.888</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	33.89	8,753,746	296.644	89.22	352,963	31.491	-	-	-	-	-	-	-	-	-	-	-	-
Container PA125 <sup>(†)</sup>	63.62	24,049	1.530	108.91	11,931	1.299	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	298.177	-	-	32.791	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>298.177</b>	-	-	<b>32.791</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	1.742	-	-	0.841	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>1.742</b>	-	-	<b>0.841</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	4.051	-	-	0.752	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>4.051</b>	-	-	<b>0.752</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.083	-	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.083</b>	-	-	<b>0.004</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Undistributed Procurement Cost</b>																		
Undistributed Procurement	-	-	-	-	-	11.500	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types						<b>Item Number / Title [DODIC]:</b> E08201 / CTG 25MM HEI-T M792 [A975]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	11.500	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	304.049	-	-	45.888	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08201 / CTG 25MM HEI-T M792 [A975]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	352,963	89.22	Y		
Container PA125		2023	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	May 2024	11,931	108.91	Y		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				430.722	6.847	36.611	24.246	-	24.246
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				430.722	6.847	36.611	24.246	-	24.246
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>430.722</b>	<b>6.847</b>	<b>36.611</b>	<b>24.246</b>	-	<b>24.246</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	46.07	9,289,896	427.960	61.65	84,675	5.220	69.46	459,436	31.912	73.68	279,368	20.584	-	-	-	73.68	279,368	20.584
CONTAINER PA125 <sup>(†)</sup>	68.63	21,202	1.455	108.91	2,862	0.312	152.52	15,528	2.368	123.01	9,442	1.161	-	-	-	123.01	9,442	1.161
<i>Subtotal: Recurring Cost</i>	-	-	429.413	-	-	5.532	-	-	34.281	-	-	21.745	-	-	-	-	-	21.745
<i>Subtotal: Hardware Cost</i>	-	-	<b>429.413</b>	-	-	<b>5.532</b>	-	-	<b>34.281</b>	-	-	<b>21.745</b>	-	-	-	-	-	<b>21.745</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	0.009	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.483	-	-	0.465	-	-	0.429	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.483</b>	-	-	<b>0.465</b>	-	-	<b>0.438</b>	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.810	-	-	0.848	-	-	1.889	-	-	2.497	-	-	-	-	-	2.497
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.810</b>	-	-	<b>0.848</b>	-	-	<b>1.889</b>	-	-	<b>2.497</b>	-	-	-	-	-	<b>2.497</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.014	-	-	0.002	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.014</b>	-	-	<b>0.002</b>	-	-	<b>0.003</b>	-	-	<b>0.003</b>	-	-	-	-	-	<b>0.003</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>430.722</b>	-	-	<b>6.847</b>	-	-	<b>36.611</b>	-	-	<b>24.246</b>	-	-	-	-	-	<b>24.246</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Remarks:</b> Unit price increase from FY 2024 to FY 2025 is due to lower quantity being procured.  (t) indicates the presence of a P-5a		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types				<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]				

Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP) <sup>(t)</sup>		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Jul 2024	84,675	61.65	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(t)</sup>		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	229,718	69.46	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(t)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	229,718	69.46	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(t)</sup>		2025	TO BE SELECTED / TBS02	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	139,684	73.68	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(t)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	139,684	73.68	Y		
CONTAINER PA125		2023	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	May 2024	2,862	108.91	Y		
CONTAINER PA125		2024	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Nov 2024	15,528	152.52	Y		
CONTAINER PA125		2025	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Nov 2025	9,442	123.01	Y		

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

**Remarks:**  
This item is part of a combined 20mm, 25mm, & 30mm contract. Quantity split will be determined between two contractors in the year of execution.

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																<b>Date:</b> March 2024									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types										<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 9289896																																			
1	2023	ARMY	84.675	.000	84.675						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.059	7.056	7.056	63.504	
1	2023	MC (+)	25.031	.000	25.031						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.096	2.085	2.085	18.765	
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>109.706</b>	<b>.000</b>	<b>109.706</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>9.155</b>	<b>9.141</b>	<b>9.141</b>	<b>82.269</b>		
2	2024	ARMY	229.718	.000	229.718																													229.718	
2	2024	MC (+)	68.816	.000	68.816																														68.816
<b>2</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>.000</b>	<b>298.534</b>																														<b>298.534</b>
3	2024	ARMY	229.718	.000	229.718																														229.718
3	2024	MC (+)	68.816	.000	68.816																														68.816
<b>3</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>.000</b>	<b>298.534</b>																														<b>298.534</b>
2	2025	ARMY	139.684	.000	139.684																														139.684
2	2025	MC (+)	32.707	.000	32.707																														32.707
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>.000</b>	<b>172.391</b>																														<b>172.391</b>
3	2025	ARMY	139.684	.000	139.684																														139.684
3	2025	MC (+)	32.707	.000	32.707																														32.707
<b>3</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>.000</b>	<b>172.391</b>																														<b>172.391</b>
											O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types										<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
LOAD, ASSEMBLE, PACK (LAP)																																								
Prior Years Deliveries: 9289896																																								
	1	2023	ARMY	84.675	21.171	63.504	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056																			.000						
	1	2023	MC (+)	25.031	6.266	18.765	2.085	2.085	2.085	2.085	2.085	2.085	2.085	2.085	2.085																			.000						
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>109.706</b>	<b>27.437</b>	<b>82.269</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	<b>9.141</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>							
	2	2024	ARMY	229.718	.000	229.718	-	-	-	-	-	19.145	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	.000						
	2	2024	MC (+)	68.816	.000	68.816	-	-	-	-	-	5.742	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	.000							
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>.000</b>	<b>298.534</b>	-	-	-	-	-	<b>24.887</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>.000</b>							
	3	2024	ARMY	229.718	.000	229.718	-	-	-	-	-	19.145	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	19.143	.000							
	3	2024	MC (+)	68.816	.000	68.816	-	-	-	-	-	5.742	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	5.734	.000							
	<b>3</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>.000</b>	<b>298.534</b>	-	-	-	-	-	<b>24.887</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>24.877</b>	<b>.000</b>								
	2	2025	ARMY	139.684	.000	139.684						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.644	11.640	11.640	11.640	11.640	11.640	11.640	11.640	58.200
	2	2025	MC (+)	32.707	.000	32.707						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.732	2.725	2.725	2.725	2.725	2.725	2.725	2.725	13.625
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>.000</b>	<b>172.391</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>14.376</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>71.825</b>
	3	2025	ARMY	139.684	.000	139.684						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.644	11.640	11.640	11.640	11.640	11.640	11.640	11.640	58.200
	3	2025	MC (+)	32.707	.000	32.707						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.732	2.725	2.725	2.725	2.725	2.725	2.725	2.725	13.625
	<b>3</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>.000</b>	<b>172.391</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>14.376</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>71.825</b>
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army											<b>Date:</b> March 2024												
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30					<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types											<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]							

		O C O		M F R #		FY		SERVICE		PROC QTY		ACCEPT PRIOR TO 1 OCT 2026		BAL DUE AS OF 1 OCT		Fiscal Year 2027										Fiscal Year 2028										BALANCE		
																Calendar Year 2027					Calendar Year 2028																	
O	C	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	BALANCE

LOAD, ASSEMBLE, PACK (LAP)  
Prior Years Deliveries: 9289896

1	2023	ARMY	84.675	84.675	.000																														.000																		
1	2023	MC (+)	25.031	25.031	.000																														.000																		
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>109.706</b>	<b>109.706</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>																	
2	2024	ARMY	229.718	229.718	.000																														.000																		
2	2024	MC (+)	68.816	68.816	.000																														.000																		
<b>2</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>298.534</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>																	
3	2024	ARMY	229.718	229.718	.000																														.000																		
3	2024	MC (+)	68.816	68.816	.000																														.000																		
<b>3</b>	<b>2024</b>	<b>Total</b>	<b>298.534</b>	<b>298.534</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>																	
2	2025	ARMY	139.684	81.484	58.200	11.640	11.640	11.640	11.640	11.640																				.000																							
2	2025	MC (+)	32.707	19.082	13.625	2.725	2.725	2.725	2.725	2.725																				.000																							
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>100.566</b>	<b>71.825</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>																		
3	2025	ARMY	139.684	81.484	58.200	11.640	11.640	11.640	11.640	11.640																				.000																							
3	2025	MC (+)	32.707	19.082	13.625	2.725	2.725	2.725	2.725	2.725																				.000																							
<b>3</b>	<b>2025</b>	<b>Total</b>	<b>172.391</b>	<b>100.566</b>	<b>71.825</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	<b>14.365</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>																		
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
						T	V	C	A	E	A	P	A	U	U	U	E	C	V	E	A	B	R	R	Y	N	L	G	P	T	O	C	E	N	B	R	P	A	Y	N	L	U	L	G	P								

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types
		<b>Item Number / Title [DODIC]:</b> E08204 / CTG 25MM TPDS-T M910 [A940]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN INNOVATION - PLYMOUTH, MN	20,000	100,000	125,000	6	6	12	18	6	6	12	18
2	TO BE SELECTED - TBS02	20,000	100,000	125,000	6	6	12	18	6	6	12	18
3	TO BE SELECTED - TBS01	20,000	100,000	125,000	6	6	12	18	6	6	12	18

**Remarks:**  
LAP LINE SHARED WITH OTHER 25MM ITEMS. QUARTERLY DELIVERIES.

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08209 / CTG, 25mm Dummy (DDI), M794 [A967]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	11.618	-	2.149	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	11.618	-	2.149	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>11.618</b>	<b>-</b>	<b>2.149</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	-	-	11.618	-	-	-	32.57	48,810	1.590	-	-	-	-	-	-	-	-	-
CONTAINER PA125 <sup>(††)</sup>	-	-	-	-	-	-	152.52	1,649	0.252	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>11.618</i>	-	-	-	-	-	<i>1.841</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>11.618</i>	-	-	-	-	-	<i>1.841</i>	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	-	-	-	-	-	-	0.160	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	<i>0.160</i>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	0.144	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	<i>0.144</i>	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	-	-	-	<i>0.004</i>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>11.618</b>	-	-	-	-	-	<b>2.149</b>	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08209 / CTG, 25mm Dummy (DDI), M794 [A967]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types					<b>Item Number / Title [DODIC]:</b> E08209 / CTG, 25mm Dummy (DDI), M794 [A967]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	48,810	32.57	Y		
CONTAINER PA125		2024	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Nov 2024	1,649	152.52	Y		

**Remarks:**  
This item is part of a combined 20mm, 25mm, & 30mm contract. Quantity split will be determined between two contractors in the year of execution.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08210 / CTG 25MM APFSDS-T M919
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	354.177	403.055	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	354.177	403.055	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>354.177</b>	<b>403.055</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	-	-	354.177	573.77	671,783	385.449	-	-	-	-	-	-	-	-	-	-	-	-
CONTAINER PA125 <sup>(†)</sup>	-	-	-	112.40	22,708	2.552	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	354.177	-	-	388.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	354.177	-	-	388.001	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	-	-	-	1.524	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	1.524	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	-	-	-	6.021	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	6.021	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types						<b>Item Number / Title [DODIC]:</b> E08210 / CTG 25MM APFSDS-T M919					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Quality Assurance Cost																		
Quality Assurance	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	<b>0.008</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>354.177</b>	-	-	<b>403.055</b>	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2650E08200 / CTG, 25mm, All Types	<b>Item Number / Title [DODIC]:</b> E08210 / CTG 25MM APFSDS-T M919
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	671,783	573.77	Y		
CONTAINER PA125		2023	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Nov 2024	22,708	112.40	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,768.551	137.209	107.805	82.965	-	82.965	97.784	103.128	98.002	105.845	-	2,501.289
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,768.551	137.209	107.805	82.965	-	82.965	97.784	103.128	98.002	105.845	-	2,501.289
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,768.551</b>	<b>137.209</b>	<b>107.805</b>	<b>82.965</b>	<b>-</b>	<b>82.965</b>	<b>97.784</b>	<b>103.128</b>	<b>98.002</b>	<b>105.845</b>	<b>-</b>	<b>2,501.289</b>

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

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

**Description:**

This budget line includes 30MM ALL TYPES:

(E07306) Program of Record (POR) 30x173mm XM1173 Target Practice with Trace (TP-T) cartridge is ballistically matched to the tactical round, the XM1182 HEAB-T cartridge, allowing the Warfighter to train in a realistic, cost effective manner. This item is Code B, not approved for service use.

(E07406) 30x173mm MK238 High Explosive Incendiary with Tracer (HEI-T) cartridge is a Navy qualified tactical cartridge consisting of a steel projectile body assembly crimped into an aluminum cartridge case, PBXN-5 explosive, a zirconium pellet, M758-LD fuze, a tracer, AFP-001 propellant, and an M36A2 percussion primer. The MK238 cartridges are packed 30 cartridges per M592 container. The Army has completed the safety qualification of the MK238 which supported the Urgent Materiel Release for the Stryker Infantry Carrier Vehicle. This item is Code B, not approved for service use.

(E07610) Program of Record (POR) 30x173mm XM1182 High Explosive Airburst with Trace (HEAB-T) will provide the Warfighter with increased anti-personnel lethality effects against troops in the open and behind urban structures, counter defilade capability, enhancing the operational effectiveness and lethality of the Stryker Infantry Carrier Vehicle (ICV) and any Army Fighting Vehicles that are equipped with a 30x173mm weapon system. This item is Code B, not approved for service use.

(E09191) Program of Record (POR) 30x173mm XM1172 Target Practice Discarding Sabot with Trace (TPDS-T) cartridge is ballistically matched to the tactical round, the XM1170 Armor Piercing Fin Stabilized Discarding Sabot with Trace (APFSDS-T) cartridge, allowing the Warfighter to train in a realistic, cost effective manner. This item is Code B, not approved for service use.

(E09292) Program of Record (POR) 30x173mm XM1170 Armor Piercing Fin Stabilized Discarding Sabot with Trace (APFSDS-T) cartridge will provide an organic direct fire capability to support infantry at a greater range and will improve lethality when engaging light-to-medium armored vehicles, increasing anti-materiel capability and enhancing the operational effectiveness and lethality of the Stryker Infantry Carrier Vehicle (ICV) and any Army Fighting Vehicles that are equipped with a 30x173mm weapon system. This item is Code B, not approved for service use.

(E09900) 30mm High Explosive Dual Purpose (HEDP) cartridge:

--30mm M789 HEDP is the only qualified combat cartridge for use in the Apache Helicopter's M230 Chain Gun. It is also used by the 160th Special Operations Aviation Regiment (SOAR), fired from the MH-60L Blackhawk helicopter. The M789 cartridge consists of a projectile containing explosive, a shaped charge liner, an M759 point-detonating fuze, aluminum cartridge case, propellant and a PA520 electric primer.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A

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

The shaped charge allows the M789 to defeat light armor, and the steel projectile body provides an anti-personnel capability. M789 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use.

--30mm XM1198 HEDP with Self Destruct (HEDP-SD) cartridge is a qualified combat cartridge for use in the XM914E1 Chain Gun with Percussion Prime Kit used on the Mobile Low, slow, small Intercept and Defeat System (MLIDS) ground vehicle platforms in response to Joint Urgent Operational Need (JUON) CC-0558, ONS 22-38522, and ONS 22-38528, and a Directed Requirement for Initial Maneuver Short Range Air Defense (IM-SHORAD) platforms. The XM1198 cartridge consists of a projectile containing explosive, a shaped charge liner, an XM1169 point-detonating, self destructing fuze, aluminum cartridge case, propellant and an M36A2 percussion primer. The shaped charge allows the XM1198 to defeat light armor, and the steel projectile body provides an anti-personnel and Counter Unmanned Aerial Systems defeat capability. The self destruct fuze allows for reduced collateral damage when engaging aerial targets. XM1198 cartridges are packed in a linked assembly with 72 cartridges per M592 container. This item is Code B, not approved for service use.

(E10100) 30mm Target Practice (TP) cartridge:

--30mm M788 TP is the only qualified training cartridge for use in the Apache and Blackhawk Helicopter's M230 Chain Gun. The M788 is a ballistic match to the M789 HEDP and consists of an inert projectile, lightweight aluminum cartridge case, propellant, and PA520 electric primer. M788 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use.

--30mm XM950 TP is the only qualified training cartridge for use in the XM914E1 Chain Gun with Percussion Prime Kit used on the Mobile Low, slow, small Intercept and Defeat System (MLIDS) ground vehicle platforms in response to Joint Urgent Operational Need (JUON) CC-0558, ONS 22-38522, and ONS 22-38528, and a Directed Requirement for Initial Maneuver Short Range Air Defense (IM-SHORAD) platforms. The XM950 is a ballistic match to the XM1198 HEDP-SD and consists of an inert projectile, lightweight aluminum cartridge case, propellant, and PA520 electric primer. XM950 cartridges are packed in a linked assembly with 72 cartridges per M592 container. This item is Code B, not approved for service use.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
2938ER8120 / CTG, 30mm, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E07306 / CTG, 30MM TP-T [AC72]	P-5a, P-21	B		- / 39.027	- / 39.747	- / 24.582	- / 7.202	- / -	- / 7.202
P-5	E07406 / CTG, 30mm Hi Expl Incendry-T(HEI-T), Mk238 Series [AC27]	P-5a	B		- / 39.619	- / 2.462	- / 0.406	- / -	- / -	- / -
P-5	E07610 / CTG, 30MM, HEAB-T [AC73]	P-5a, P-21	B		- / 15.177	- / 45.059	- / 16.891	- / 25.536	- / -	- / 25.536
P-5	E09191 / CTG, 30MM TPDS-T [AC79]	P-5a, P-21	B		- / 50.905	- / 29.836	- / 18.575	- / 9.641	- / -	- / 9.641
P-5	E09292 / CTG, 30MM APFSDS-T [AC78]	P-5a, P-21	B		- / 78.638	- / 0.059	- / 6.919	- / 15.862	- / -	- / 15.862
P-5	E09900 / CTG, 30MM HEDP [B129]	P-5a	A		- / 1,018.666	- / 6.836	- / 5.443	- / 5.964	- / -	- / 5.964
P-5	E10100 / CTG, 30MM TP [B118]	P-5a, P-21	A		- / 526.519	- / 13.210	- / 34.989	- / 18.760	- / -	- / 18.760
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,768.551</b>	<b>- / 137.209</b>	<b>- / 107.805</b>	<b>- / 82.965</b>	<b>- / -</b>	<b>- / 82.965</b>

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

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

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base procurement dollars in the amount of \$82.965 million support procurement of 0.625 million 30mm cartridges.

(E07306) 30x173mm XM1173 Target Practice with Trace (TP-T) is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$7.202 million support the procurement of 0.046 million XM1173 cartridges.

Type classification date: PENDING

(E07406) 30x173mm MK238 High Explosive Incendiary with Tracer (HEI-T) is a war reserve item used in combat. There is no FY 2025 budget request for this item.

Type classification date: PENDING

(E07610) 30x173mm XM1182 High Explosive Airburst with Trace (HEAB-T) is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$25.536 million support the procurement of 0.010 million XM1182 cartridges.

Type classification date: PENDING

(E09191) 30x173mm XM1172 Target Practice Discarding Sabot with Trace (TPDS-T) is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$9.641 million support the procurement of 0.089 million XM1172 cartridges.



**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Type classification date: PENDING		
<p>(E09292) 30x173mm XM1170 Armor Piercing Fin Stabilized Discarding Sabot with Trace (APFSDS-T) is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$15.862 million support the procurement of 0.011 million XM1170 cartridges. Type classification date: PENDING</p> <p>(E09900) 30mm M789 High Explosive Dual Purpose (HEDP) is a war reserve item used in combat. 30mm XM1198 High Explosive Dual Purpose with Self Destruct (HEDP-SD) is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$5.964 million support the procurement of 0.024 million M789 cartridges. M789 Type classification date: 1962 XM1198 Type classification date: PENDING</p> <p>(E10100) 30mm M788 Target Practice (TP) is a training unique item not used in combat. 30mm XM950 Target Practice (TP) is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$10.196 million support the procurement of 0.282 million 30mm M788 cartridges. FY 2025 Base Procurement dollars in the amount of \$8.564 million support the procurement of 0.163 million 30mm XM950 cartridges. M788 Type classification date: 1982 XM950 Type classification date: PENDING</p>		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types			<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				39.027	39.747	24.582	7.202	-	7.202
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				39.027	39.747	24.582	7.202	-	7.202
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>39.027</b>	<b>39.747</b>	<b>24.582</b>	<b>7.202</b>	<b>-</b>	<b>7.202</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
30x173MM, XM1173 TP-T <sup>(†)</sup>	-	-	-	139.72	207,275	28.960	125.75	164,898	20.736	128.39	45,635	5.859	-	-	-	128.39	45,635	5.859
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	28.960	-	-	20.736	-	-	5.859	-	-	-	-	-	5.859
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	28.960	-	-	20.736	-	-	5.859	-	-	-	-	-	5.859
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-	-
First Article Test	-	-	1.326	-	-	1.235	-	-	0.624	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.326	-	-	1.235	-	-	0.632	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Safety	-	-	0.330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Qualification Test	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	0.330	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	37.345	-	-	6.448	-	-	3.210	-	-	1.339	-	-	-	-	-	1.339
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	37.345	-	-	6.448	-	-	3.210	-	-	1.339	-	-	-	-	-	1.339
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.026	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types						<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.026	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Support - Staging and Transportation Cost</b>																		
Staging and Transportation	-	-	-	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	-	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	39.027	-	-	39.747	-	-	24.582	-	-	7.202	-	-	-	-	-	7.202

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
30x173MM, XM1173 TP-T <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	207,275	139.72	Y		
30x173MM, XM1173 TP-T <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	164,898	125.75	Y		
30x173MM, XM1173 TP-T <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Oct 2027	45,635	128.39	Y		

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

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E07306 / CTG, 30MM TP-T [AC72]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM, XM1173 TP-T																															
	1	2023	ARMY	207.275	.000	207.275																							207.275		
	1	2024	ARMY	164.898	.000	164.898																							164.898		
	1	2025	ARMY	45.635	.000	45.635																							45.635		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026												Fiscal Year 2027												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM, XM1173 TP-T																															
	1	2023	ARMY	207.275	.000	207.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
	1	2024	ARMY	164.898	.000	164.898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
	1	2025	ARMY	45.635	.000	45.635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.635	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2028													Fiscal Year 2029													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	Calendar Year 2028													Calendar Year 2029													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
30x173MM, XM1173 TP-T																																	
	1	2023	ARMY	207.275	207.275	.000																											.000
	1	2024	ARMY	164.898	164.898	.000																											.000
	1	2025	ARMY	45.635	.000	45.635	3.813	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	3.802	.000			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types				<b>Item Number / Title [DODIC]:</b> E07306 / CTG, 30MM TP-T [AC72]				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	70,000	160,000	6	6	31	37	6	6	31	37

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

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



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types
		<b>Item Number / Title [DODIC]:</b> E07406 / CTG, 30mm Hi Expl Incendry-T(HEI-T), Mk238 Series [AC27]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	39.619	2.462	0.406	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	39.619	2.462	0.406	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>39.619</b>	<b>2.462</b>	<b>0.406</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	131.93	261,715	34.528	-	-	-	187.71	494	0.093	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	34.528	-	-	-	-	-	0.093	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	34.528	-	-	-	-	-	0.093	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	1.886	-	-	-	-	-	0.300	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	1.886	-	-	-	-	-	0.300	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	3.178	-	-	2.462	-	-	0.013	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	3.178	-	-	2.462	-	-	0.013	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>39.619</b>	-	-	<b>2.462</b>	-	-	<b>0.406</b>	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types				<b>Item Number / Title [DODIC]:</b> E07406 / CTG, 30mm Hi Expl Incendry-T(HEI-T), Mk238 Series [AC27]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	494	187.71	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types			<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			15.177	45.059	16.891	25.536	-	25.536
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			15.177	45.059	16.891	25.536	-	25.536
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>15.177</b>	<b>45.059</b>	<b>16.891</b>	<b>25.536</b>	<b>-</b>	<b>25.536</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
30x173MM XM1182 HEAB-T <sup>(†)</sup>	-	-	-	2,826.59	12,725	35.968	966.32	15,370	14.852	2,376.00	10,148	24.112	-	-	-	2,376.00	10,148	24.112
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	35.968	-	-	14.852	-	-	24.112	-	-	-	-	-	24.112
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	35.968	-	-	14.852	-	-	24.112	-	-	-	-	-	24.112
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	5.038	-	-	1.380	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	5.038	-	-	1.390	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	-	-	-	3.711	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	3.711	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	15.160	-	-	0.342	-	-	0.645	-	-	1.420	-	-	-	-	-	1.420
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	15.160	-	-	0.342	-	-	0.645	-	-	1.420	-	-	-	-	-	1.420
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.017	-	-	-	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.017	-	-	-	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types						<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	15.177	-	-	45.059	-	-	16.891	-	-	25.536	-	-	-	-	-	25.536

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
30x173MM XM1182 HEAB-T <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	12,725	2,826.59	Y		
30x173MM XM1182 HEAB-T <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	15,370	966.32	Y		
30x173MM XM1182 HEAB-T <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Oct 2027	10,148	2,376.00	Y		

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

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E07610 / CTG, 30MM, HEAB-T [AC73]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1182 HEAB-T																															
	1	2023	ARMY	12.725	.000	12.725																							12.725		
	1	2024	ARMY	15.370	.000	15.370																							15.370		
	1	2025	ARMY	10.148	.000	10.148																							10.148		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026												Fiscal Year 2027												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 5	BAL D U E A S O F 1 O C T	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1182 HEAB-T																															
	1	2023	ARMY	12.725	.000	12.725	-	-	-	-	-	-	-	-	-	-	-	-	-	1.065	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	.000	
	1	2024	ARMY	15.370	.000	15.370	-	-	-	-	-	-	-	-	-	-	-	-	-	1.290	1.280	1.280	1.280	1.280	1.280	1.280	1.280	1.280	1.280	.000	
	1	2025	ARMY	10.148	.000	10.148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.148	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2028												Fiscal Year 2029												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	Calendar Year 2028												Calendar Year 2029												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1182 HEAB-T																															
	1	2023	ARMY	12.725	12.725	.000																								.000	
	1	2024	ARMY	15.370	15.370	.000																								.000	
	1	2025	ARMY	10.148	.000	10.148	.853	.845	.845	.845	.845	.845	.845	.845	.845	.845														.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	



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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E07610 / CTG, 30MM, HEAB-T [AC73]
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	70,000	110,000	6	6	31	37	6	6	31	37

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09191 / CTG, 30MM TPDS-T [AC79]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	50.905	29.836	18.575	9.641	-	9.641
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	50.905	29.836	18.575	9.641	-	9.641
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>50.905</b>	<b>29.836</b>	<b>18.575</b>	<b>9.641</b>	<b>-</b>	<b>9.641</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
30x173MM XM1172 TPDS-T <sup>(†)</sup>	-	-	-	81.87	357,115	29.237	68.22	231,026	15.761	80.62	89,470	7.213	-	-	-	80.62	89,470	7.213
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	29.237	-	-	15.761	-	-	7.213	-	-	-	-	-	7.213
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	29.237	-	-	15.761	-	-	7.213	-	-	-	-	-	7.213
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
First Article Test	-	-	1.846	-	-	-	-	-	0.755	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.846	-	-	-	-	-	0.765	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	49.025	-	-	0.595	-	-	2.046	-	-	2.424	-	-	-	-	-	2.424
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	49.025	-	-	0.595	-	-	2.046	-	-	2.424	-	-	-	-	-	2.424
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.034	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.034	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	-	-	<b>50.905</b>	-	-	<b>29.836</b>	-	-	<b>18.575</b>	-	-	<b>9.641</b>	-	-	-	-	-	<b>9.641</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09191 / CTG, 30MM TPDS-T [AC79]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
30x173MM XM1172 TPDS-T <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	357,115	81.87	Y		
30x173MM XM1172 TPDS-T <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	231,026	68.22	Y		
30x173MM XM1172 TPDS-T <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Oct 2027	89,470	80.62	Y		

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

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09191 / CTG, 30MM TPDS-T [AC79]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1172 TPDS-T																															
	1	2023	ARMY	357.115	.000	357.115																								357.115	
	1	2024	ARMY	231.026	.000	231.026																								231.026	
	1	2025	ARMY	89.470	.000	89.470																								89.470	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E09191 / CTG, 30MM TPDS-T [AC79]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026												Fiscal Year 2027												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1172 TPDS-T																															
	1	2023	ARMY	357.115	.000	357.115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000
	1	2024	ARMY	231.026	.000	231.026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000
	1	2025	ARMY	89.470	.000	89.470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.470
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09191 / CTG, 30MM TPDS-T [AC79]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2028														Fiscal Year 2029														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	Calendar Year 2028														Calendar Year 2029														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
30x173MM XM1172 TPDS-T																																			
	1	2023	ARMY	357.115	357.115	.000																													.000
	1	2024	ARMY	231.026	231.026	.000																													.000
	1	2025	ARMY	89.470	.000	89.470	7.465	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	7.455	.000				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09191 / CTG, 30MM TPDS-T [AC79]
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	70,000	160,000	6	6	31	37	6	6	31	37

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

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**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09292 / CTG, 30MM APFSDS-T [AC78]
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	78.638	0.059	6.919	15.862	-	15.862
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	78.638	0.059	6.919	15.862	-	15.862
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>78.638</b>	<b>0.059</b>	<b>6.919</b>	<b>15.862</b>	<b>-</b>	<b>15.862</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
30x173MM XM1170 APFSDS-T <sup>(t)</sup>	-	-	-	-	-	-	521.11	9,778	5.095	1,357.83	10,579	14.364	-	-	-	1,357.83	10,579	14.364
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	5.095	-	-	14.364	-	-	-	-	-	14.364
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	5.095	-	-	14.364	-	-	-	-	-	14.364
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
First Article Test	-	-	2.707	-	-	-	-	-	1.524	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	2.707	-	-	-	-	-	1.534	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	75.885	-	-	0.059	-	-	0.286	-	-	1.494	-	-	-	-	-	1.494
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	75.885	-	-	0.059	-	-	0.286	-	-	1.494	-	-	-	-	-	1.494
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.046	-	-	-	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.046	-	-	-	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	-	-	<b>78.638</b>	-	-	<b>0.059</b>	-	-	<b>6.919</b>	-	-	<b>15.862</b>	-	-	-	-	-	<b>15.862</b>

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



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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09292 / CTG, 30MM APFSDS-T [AC78]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
30x173MM XM1170 APFSDS-T <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2026	9,778	521.11	Y		
30x173MM XM1170 APFSDS-T <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Oct 2027	10,579	1,357.83	Y		

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

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E09292 / CTG, 30MM APFSDS-T [AC78]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1170 APFSDS-T																															
	1	2024	ARMY	9.778	.000	9.778																							9.778		
	1	2025	ARMY	10.579	.000	10.579																							10.579		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E09292 / CTG, 30MM APFSDS-T [AC78]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1170 APFSDS-T																															
	1	2024	ARMY	9.778	.000	9.778	-	-	-	-	-	-	-	-	-	-	-	-	.824	.814	.814	.814	.814	.814	.814	.814	.814	.814	.000		
	1	2025	ARMY	10.579	.000	10.579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.579		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E09292 / CTG, 30MM APFSDS-T [AC78]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2028												Fiscal Year 2029												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	Calendar Year 2028												Calendar Year 2029												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
30x173MM XM1170 APFSDS-T																															
	1	2024	ARMY	9.778	9.778	.000																							.000		
	1	2025	ARMY	10.579	.000	10.579	.882	.882	.882	.882	.882	.882	.882	.882	.882	.882	.877													.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types
		<b>Item Number / Title [DODIC]:</b> E09292 / CTG, 30MM APFSDS-T [AC78]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	70,000	160,000	6	6	31	37	6	6	31	37

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>					<b>Date:</b> March 2024			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types			<b>Item Number / Title [DODIC]:</b> E09900 / CTG, 30MM HEDP [B129]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			1,018.666	6.836	5.443	5.964	-	5.964
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			1,018.666	6.836	5.443	5.964	-	5.964
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>1,018.666</b>	<b>6.836</b>	<b>5.443</b>	<b>5.964</b>	<b>-</b>	<b>5.964</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND M789 <sup>(†)</sup>	74.88	13,303,707	996.168	-	-	-	138.23	1,598	0.221	200.13	24,086	4.820	-	-	-	200.13	24,086	4.820
COMPLETE ROUND XM1198 HEDP-SD <sup>(†)</sup>	118.73	86,034	10.215	118.91	51,312	6.102	203.59	22,912	4.665	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,006.383</i>	-	-	<i>6.102</i>	-	-	<i>4.886</i>	-	-	<i>4.820</i>	-	-	-	-	-	<i>4.820</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>1,006.383</i>	-	-	<i>6.102</i>	-	-	<i>4.886</i>	-	-	<i>4.820</i>	-	-	-	-	-	<i>4.820</i>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.013	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.431	-	-	0.274	-	-	0.292	-	-	0.790	-	-	-	-	-	0.790
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<i>0.431</i>	-	-	<i>0.274</i>	-	-	<i>0.305</i>	-	-	<i>0.790</i>	-	-	-	-	-	<i>0.790</i>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	11.706	-	-	0.458	-	-	0.243	-	-	0.350	-	-	-	-	-	0.350
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>11.706</i>	-	-	<i>0.458</i>	-	-	<i>0.243</i>	-	-	<i>0.350</i>	-	-	-	-	-	<i>0.350</i>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.146	-	-	0.002	-	-	0.009	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.146</i>	-	-	<i>0.002</i>	-	-	<i>0.009</i>	-	-	<i>0.004</i>	-	-	-	-	-	<i>0.004</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>1,018.666</b>	-	-	<b>6.836</b>	-	-	<b>5.443</b>	-	-	<b>5.964</b>	-	-	-	-	-	<b>5.964</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09900 / CTG, 30MM HEDP [B129]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Remarks:</b> FY 2024, like FY 2023, is projected to be split awards between two vendors for 30mm HEDP-SD XM1198 for a lower quantity, higher unit price than a single vendor award. FY 2024 will also be a new contract projected for a lower quantity range, higher unit price for the Army and other Services.  FY 2023 and 2024 include funding for the 30mm XM1198 High Explosive Dual Purpose with Self Destruct (HEDP-SD) cartridge, which is a different version of the M789. The cost delta is as a result of the modified fuze that allows for self destruct in support of the Mobile Low, slow, small Intercept and Defeat System (MLIDS) and Initial Maneuver Short Range Air Defense (IM-SHORAD) ground vehicle platforms.  (t) indicates the presence of a P-5a		

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E09900 / CTG, 30MM HEDP [B129]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND M789		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	799	138.23	Y		
COMPLETE ROUND M789		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	799	138.23	Y		
COMPLETE ROUND M789		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	12,043	200.13	Y		
COMPLETE ROUND M789		2025	TO BE SELECTED / TBS02	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	12,043	200.13	Y		
COMPLETE ROUND XM1198 HEDP-SD		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Nov 2024	51,312	118.91	Y		
COMPLETE ROUND XM1198 HEDP-SD		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	11,456	203.59	Y		
COMPLETE ROUND XM1198 HEDP-SD		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	11,456	203.59	Y		

**Remarks:**  
This item is part of a combined 20mm, 25mm, & 30mm contract. Quantity split will be determined between two contractors in the year of execution.



**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	526.519	13.210	34.989	18.760	-	18.760
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	526.519	13.210	34.989	18.760	-	18.760
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>526.519</b>	<b>13.210</b>	<b>34.989</b>	<b>18.760</b>	<b>-</b>	<b>18.760</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>						
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND M788 TP <sup>(f)</sup>	18.97	26,080,611	494.723	23.34	385,245	8.992	30.53	607,462	18.546	29.18	281,658	8.219	-	-	-	29.18	281,658	8.219
COMPLETE ROUND XM950 PRACTICE <sup>(f)</sup>	28.48	197,819	5.634	38.22	34,640	1.324	35.35	329,860	11.661	44.47	163,146	7.255	-	-	-	44.47	163,146	7.255
<i>Subtotal: Recurring Cost</i>	-	-	500.357	-	-	10.316	-	-	30.206	-	-	15.474	-	-	-	-	-	15.474
<i>Subtotal: Hardware Cost</i>	-	-	500.357	-	-	10.316	-	-	30.206	-	-	15.474	-	-	-	-	-	15.474
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.010	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	0.213	-	-	1.112	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.010	-	-	0.213	-	-	1.122	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Environmental Initiatives	-	-	-	-	-	0.288	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	0.288	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	26.090	-	-	2.390	-	-	3.654	-	-	3.277	-	-	-	-	-	3.277
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	26.090	-	-	2.390	-	-	3.654	-	-	3.277	-	-	-	-	-	3.277
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.056	-	-	0.004	-	-	0.007	-	-	0.008	-	-	-	-	-	0.008

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types						<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.056	-	-	0.004	-	-	0.007	-	-	0.008	-	-	-	-	-	0.008
<b>Gross/Weapon System Cost</b>	-	-	526.519	-	-	13.210	-	-	34.989	-	-	18.760	-	-	-	-	-	18.760

**Remarks:**

FY 2023 through FY 2025 funding includes Base funding in support of the 30mm XM950 Target Practice (TP) cartridge, which is a different version of the M788. The cost delta is as a result of the modified primer incorporated in the round in support of the Mobile Low, slow, small Intercept and Defeat System (MLIDS) and Initial Maneuver Short Range Air Defense (IM-SHORAD) ground vehicle platforms.

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND M788 TP <sup>(†)</sup>		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Jan 2024	385,245	23.34	Y		
COMPLETE ROUND M788 TP <sup>(†)</sup>		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	303,731	30.52	Y		
COMPLETE ROUND M788 TP <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	303,731	30.52	Y		
COMPLETE ROUND M788 TP <sup>(†)</sup>		2025	TO BE SELECTED / TBS02	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	140,829	29.18	Y		
COMPLETE ROUND M788 TP <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	140,829	29.18	Y		
COMPLETE ROUND XM950 PRACTICE <sup>(†)</sup>		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Nov 2024	34,640	38.22	Y		
COMPLETE ROUND XM950 PRACTICE <sup>(†)</sup>		2024	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	164,930	35.35	Y		
COMPLETE ROUND XM950 PRACTICE <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	164,930	35.35	Y		
COMPLETE ROUND XM950 PRACTICE <sup>(†)</sup>		2025	TO BE SELECTED / TBS02	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	81,573	44.47	Y		
COMPLETE ROUND XM950 PRACTICE <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	81,573	44.47	Y		

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

**Remarks:**  
This item is part of a combined 20mm, 25mm, & 30mm contract. Quantity split will be determined between two contractors in the year of execution.

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**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

<b>COMPLETE ROUND M788 TP</b>																																				
Prior Years Deliveries: 26080611																																				
	1	2023	ARMY	385.245	.000	385.245																														99.612
	2	2024	ARMY	303.731	.000	303.731																														303.731
	3	2024	ARMY	303.731	.000	303.731																														303.731
	2	2025	ARMY	140.829	.000	140.829																														140.829
	3	2025	ARMY	140.829	.000	140.829																														140.829

<b>COMPLETE ROUND XM950 PRACTICE</b>																																				
Prior Years Deliveries: 197819																																				
	4	2023	ARMY	34.640	.000	34.640																													34.640	
	4	2023	MC (†)	9.900	.000	9.900																														9.900
	<b>4</b>	<b>2023</b>	<b>Total</b>	<b>44.540</b>	<b>.000</b>	<b>44.540</b>																													<b>44.540</b>	
	5	2024	ARMY	164.930	.000	164.930																														164.930
	5	2024	MC (†)	7.493	.000	7.493																														7.493
	<b>5</b>	<b>2024</b>	<b>Total</b>	<b>172.423</b>	<b>.000</b>	<b>172.423</b>																													<b>172.423</b>	
	6	2024	ARMY	164.930	.000	164.930																														164.930
	6	2024	MC (†)	7.493	.000	7.493																														7.493
	<b>6</b>	<b>2024</b>	<b>Total</b>	<b>172.423</b>	<b>.000</b>	<b>172.423</b>																													<b>172.423</b>	
	5	2025	ARMY	81.573	.000	81.573																														81.573
	5	2025	MC (†)	11.411	.000	11.411																														11.411
	<b>5</b>	<b>2025</b>	<b>Total</b>	<b>92.984</b>	<b>.000</b>	<b>92.984</b>																													<b>92.984</b>	
	6	2025	ARMY	81.573	.000	81.573																														81.573
	6	2025	MC (†)	11.411	.000	11.411																														11.411
	<b>6</b>	<b>2025</b>	<b>Total</b>	<b>92.984</b>	<b>.000</b>	<b>92.984</b>																													<b>92.984</b>	

							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
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Exhibit P-21, Production Schedule: PB 2025 Army Date: March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]
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Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025												Fiscal Year 2026												B A L A N C E								
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P						
COMPLETE ROUND M788 TP																																					
Prior Years Deliveries: 26080611																																					
	1	2023	ARMY	385.245	285.633	99.612	33.204	33.204	33.204							25.321	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310						.000	
	2	2024	ARMY	303.731	.000	303.731	-	-	-	-	-	25.321	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310							.000	
	3	2024	ARMY	303.731	.000	303.731	-	-	-	-	-	25.321	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310	25.310							.000		
	2	2025	ARMY	140.829	.000	140.829						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.744	11.735	11.735	11.735	11.735	11.735	11.735	11.735	58.675
	3	2025	ARMY	140.829	.000	140.829						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.744	11.735	11.735	11.735	11.735	11.735	11.735	11.735	58.675
COMPLETE ROUND XM950 PRACTICE																																					
Prior Years Deliveries: 197819																																					
	4	2023	ARMY	34.640	.000	34.640	-	2.894	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886																		.000
	4	2023	MC (+)	9.900	.000	9.900	-	.825	.825	.825	.825	.825	.825	.825	.825	.825	.825	.825	.825																		.000
	4	2023	<b>Total</b>	<b>44.540</b>	<b>.000</b>	<b>44.540</b>	-	<b>3.719</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>	<b>3.711</b>																		<b>.000</b>
	5	2024	ARMY	164.930	.000	164.930	-	-	-	-	-	13.746	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744									.000
	5	2024	MC (+)	7.493	.000	7.493	-	-	-	-	-	.629	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624									.000
	5	2024	<b>Total</b>	<b>172.423</b>	<b>.000</b>	<b>172.423</b>	-	-	-	-	-	<b>14.375</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	-	-	-	-	-	-	-	-	<b>.000</b>	
	6	2024	ARMY	164.930	.000	164.930	-	-	-	-	-	13.746	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744	13.744									.000	
	6	2024	MC (+)	7.493	.000	7.493	-	-	-	-	-	.629	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624	.624									.000	
	6	2024	<b>Total</b>	<b>172.423</b>	<b>.000</b>	<b>172.423</b>	-	-	-	-	-	<b>14.375</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	<b>14.368</b>	-	-	-	-	-	-	-	-	<b>.000</b>	
	5	2025	ARMY	81.573	.000	81.573						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.806	6.797	6.797	6.797	6.797	6.797	6.797	6.797	33.985	
	5	2025	MC (+)	11.411	.000	11.411						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.961	.950	.950	.950	.950	.950	.950	.950	4.750	
	5	2025	<b>Total</b>	<b>92.984</b>	<b>.000</b>	<b>92.984</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>7.767</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>38.735</b>	
	6	2025	ARMY	81.573	.000	81.573						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.806	6.797	6.797	6.797	6.797	6.797	6.797	6.797	33.985	
	6	2025	MC (+)	11.411	.000	11.411						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.961	.950	.950	.950	.950	.950	.950	.950	4.750	
	6	2025	<b>Total</b>	<b>92.984</b>	<b>.000</b>	<b>92.984</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>7.767</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>38.735</b>	

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**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 01 / 30 **P-1 Line Item Number / Title:** 2938ER8120 / CTG, 30mm, All Types **Item Number / Title [DODIC]:** E10100 / CTG, 30MM TP [B118]

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027													Fiscal Year 2028													BALANCE				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
<b>COMPLETE ROUND M788 TP</b>																																			
Prior Years Deliveries: 26080611																																			
	1	2023	ARMY	385.245	385.245	.000																												.000	
	2	2024	ARMY	303.731	303.731	.000																												.000	
	3	2024	ARMY	303.731	303.731	.000																												.000	
	2	2025	ARMY	140.829	82.154	58.675	11.735	11.735	11.735	11.735	11.735																							.000	
	3	2025	ARMY	140.829	82.154	58.675	11.735	11.735	11.735	11.735	11.735																							.000	
<b>COMPLETE ROUND XM950 PRACTICE</b>																																			
Prior Years Deliveries: 197819																																			
	4	2023	ARMY	34.640	34.640	.000																												.000	
	4	2023	MC (†)	9.900	9.900	.000																												.000	
	<b>4</b>	<b>2023</b>	<b>Total</b>	<b>44.540</b>	<b>44.540</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
	5	2024	ARMY	164.930	164.930	.000																													.000
	5	2024	MC (†)	7.493	7.493	.000																													.000
	<b>5</b>	<b>2024</b>	<b>Total</b>	<b>172.423</b>	<b>172.423</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
	6	2024	ARMY	164.930	164.930	.000																													.000
	6	2024	MC (†)	7.493	7.493	.000																													.000
	<b>6</b>	<b>2024</b>	<b>Total</b>	<b>172.423</b>	<b>172.423</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>
	5	2025	ARMY	81.573	47.588	33.985	6.797	6.797	6.797	6.797	6.797																								.000
	5	2025	MC (†)	11.411	6.661	4.750	.950	.950	.950	.950	.950																								.000
	<b>5</b>	<b>2025</b>	<b>Total</b>	<b>92.984</b>	<b>54.249</b>	<b>38.735</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
	6	2025	ARMY	81.573	47.588	33.985	6.797	6.797	6.797	6.797	6.797																								.000
	6	2025	MC (†)	11.411	6.661	4.750	.950	.950	.950	.950	.950																								.000
	<b>6</b>	<b>2025</b>	<b>Total</b>	<b>92.984</b>	<b>54.249</b>	<b>38.735</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	<b>7.747</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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**Exhibit P-21, Production Schedule:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 2938ER8120 / CTG, 30mm, All Types	<b>Item Number / Title [DODIC]:</b> E10100 / CTG, 30MM TP [B118]
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GENERAL DYNAMICS ORD & TAC - MARION, IL	1,000	120,000	200,000	6	6	12	18	6	6	12	18
2	TO BE SELECTED - TBS02	1,000	120,000	200,000	6	6	12	18	6	6	12	18
3	TO BE SELECTED - TBS01	1,000	120,000	200,000	6	6	12	18	6	6	12	18
4	GENERAL DYNAMICS ORD & TAC - MARION, IL	1,000	120,000	200,000	6	6	12	18	6	6	12	18
5	TO BE SELECTED - TBS02	1,000	120,000	200,000	6	6	12	18	6	6	12	18
6	TO BE SELECTED - TBS01	1,000	120,000	200,000	6	6	12	18	6	6	12	18

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

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

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,786.932	108.590	148.970	150.540	-	150.540	160.246	173.671	180.963	175.169	-	3,885.081
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,786.932	108.590	148.970	150.540	-	150.540	160.246	173.671	180.963	175.169	-	3,885.081
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,786.932</b>	<b>108.590</b>	<b>148.970</b>	<b>150.540</b>	<b>-</b>	<b>150.540</b>	<b>160.246</b>	<b>173.671</b>	<b>180.963</b>	<b>175.169</b>	<b>-</b>	<b>3,885.081</b>

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

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

**Description:**

This budget line includes 40MM ALL TYPES:

(E05610) CTG 40mm M781E1 Low Velocity Day Night Thermal cartridge is a training cartridge for the M203 and M320 Grenade Launchers. This ammunition consists of a projectile assembly and cartridge case assembly. The projectile ogive is filled with a signature material that provides a signature upon impact that can be seen day or night with the unaided eye and thermal and night vision weapon sights. The cartridge does not contain any fuzing or explosives, eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is Code B, not approved for service use.

(E05611) CTG 40mm M918E1 High Velocity Day Night Thermal cartridge is a training cartridge for the MK19 Grenade Machine Gun. This ammunition consists of a projectile assembly and cartridge case assembly. The projectile ogive is filled with a signature material that provides a signature upon impact that can be seen day or night with the unaided eye and thermal and night vision weapon sights. The cartridge does not contain any fuzing or explosives, eliminating unexploded ordnance issues on the training ranges due to non-functioning training ammunition. This item is Code B, not approved for service use.

(E11800) CTG 40mm M430A1 is a High Explosive Dual Purpose (HEDP) cartridge fired from the MK19 Grenade Machine Gun at a max range of 2,200 meters. It is capable of penetrating three inches of steel armor and inflicting personnel casualties in the target area. This item is Code A, approved for service use.

(E12601) CTG 40mm Low Velocity M433 is a High Explosive Dual Purpose (HEDP) cartridge fired from the M203 and M320 Grenade Launchers to a max range of 400 meters. The M433 cartridge consists of an aluminum projectile assembly with a Comp A5 high explosive charge, Point Initiating Base Detonating (PIBD) fuze assembly with a Spitback charge, copper cone liner, and aluminum cartridge case. Upon impact, detonation of the Comp A5 causes fragmentation of the projectile body on the target and forms an armor piercing jet created by the copper shaped-charge liner, which is capable of penetrating a minimum of two inches of Rolled Homogeneous Armor (RHA) plate. This item is Code B, not approved for service use.

(E70505) CTG 40mm High Velocity (HV) High Explosive Dual Purpose - Air burst (HEDP-AB) XM1176 cartridge is a new capability that will provide the Mk19 Mod 3 Grenade Machine Gun (GMG) an air burst capable cartridge with the ability of achieving required lethal effects against enemy targets in the open and in defilade, while maintaining the capability to defeat unarmored and lightly armored vehicles. The XM1176 HEDP-AB cartridges are manufactured by de-fuzing legacy M430A1 cartridges and installing a new airburst capable fuze onto the M430A1 warhead. This item is scheduled to transition from Engineering Manufacturing Development (EMD) to Milestone C and Low Rate Initial Production (LRIP) in the 4th Quarter of FY 2024. This item is Code B, not approved for service use.



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E71005) CTG 40mm Low Velocity High Explosive Air Burst (HEAB) XM1166 cartridge is a new capability that addresses a counter-defilade capability gap and allows the Warfighter to engage targets at increased effective ranges using the 40mm M320 Grenade Launcher. The HEAB cartridge provides the grenadier with a higher probability of achieving a first shot kill against enemy personnel, coupled with the ability to defeat personnel targets in defilade positions. When deployed against point and area targets, the cartridge inflicts incapacitating effects against personnel beyond those offered by the current M433 High Explosive Dual Purpose (HEDP) cartridge. The cartridge provides lethal effects against targets with improved accuracy and greater standoff ranges resulting in increased soldier survivability. This item is scheduled to transition from Engineering Manufacturing Development (EMD) to Milestone C and Low Rate Initial Production (LRIP) in the 4th Quarter of FY 2024. This item is Code B, not approved for service use.</p> <p>(E74315) The 40mm Practice M918/M385A1 Mixed Belt cartridge configuration for the MK19 Grenade Machine Gun is a high velocity training projectile with realistic signature effects providing sufficient flash, smoke, and sound upon impact to be seen/heard out to 1,200 meters. In addition to providing audible/visual signature for day or night firing, the mixed belt for MK19 Grenade Machine Gun will minimize hazards to troops in the training area. This item is Code A, approved for service use.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
3222ER8001 / CTG, 40mm, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E05610 / CTG, 40MM TP-DAY/NITE/THER,LO VEL M781A1, F/M203GL [BA54]	P-5a, P-21	B		- / 88.607	- / 1.844	- / 22.873	- / 14.506	- / -	- / 14.506
P-5	E05611 / CTG, 40mm TP-Day/Nite/Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]	P-5a, P-21	B		- / 230.219	- / 4.462	- / 93.943	- / 108.344	- / -	- / 108.344
P-5	E11800 / CTG, 40mm HEDP, M430A1 Series f/MK19 MG [B542]	P-5a	A		- / 733.872	- / 39.593	- / -	- / -	- / -	- / -
P-5	E12601 / CTG, 40MM HEDP, M433E1 F/M203 GRENADE LAUNCHER	P-5a, P-21	B		- / 620.717	- / 0.250	- / 12.283	- / 6.830	- / -	- / 6.830
P-5	E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]	P-5a, P-21	B		- / 13.844	- / 15.853	- / -	- / 13.926	- / -	- / 13.926
P-5	E71005 / CTG, 40MM, LV HEAB, XM1166 [BZ16]	P-5a, P-21	B		- / 10.500	- / 13.888	- / 2.021	- / 6.934	- / -	- / 6.934
P-5	E74315 / CTG, 40mm Practice, M918/M385A1 w/M16A2 Lnk f/MK19	P-5a	A		- / 1,089.173	- / 32.700	- / 17.850	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,786.932</b>	<b>- / 108.590</b>	<b>- / 148.970</b>	<b>- / 150.540</b>	<b>- / -</b>	<b>- / 150.540</b>

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

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

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base procurement dollars in the amount of \$150.540 million support procurement of 3.413 million cartridges.

The FY 2023 actuals for base include \$33.077 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E05610) CTG 40mm M781E1 Low Velocity Day Night Thermal is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$14.506 million support the procurement of 0.567 million cartridges.

Type classification date: 31 May 2017, Limited Procurement

(E05611) CTG 40mm M918E1 High Velocity Day Night Thermal is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$108.344 million support the procurement of 2.725 million cartridges.

Type classification date: 31 May 2017, Limited Procurement

(E11800) CTG 40mm M430A1 High Explosive Dual Purpose (HEDP) cartridge is a war reserve item used in combat. There is no FY 2025 budget request for this item.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E12601) CTG 40mm Low Velocity M433 is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$6.830 million support the procurement of 0.028 million cartridges. Type classification date: 1971</p> <p>(E70505) CTG 40mm High Velocity (HV) High Explosive Dual Purpose - Air burst (HEDP-AB) XM1176 is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$13.926 million support the procurement of 0.075 million cartridges. Type classification date: TBD</p> <p>(E71005) CTG 40mm Low Velocity High Explosive Air Burst (HEAB) XM1166 is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$6.934 million support the procurement of 0.018 million cartridges. Type classification date: TBD</p> <p>(E74315) CTG 40MM PRAC, M918/M385A1 is a training unique item not used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: October 1989 / October 1990</p>		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		88.607	1.844	22.873	14.506	-	14.506
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		88.607	1.844	22.873	14.506	-	14.506
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>88.607</b>	<b>1.844</b>	<b>22.873</b>	<b>14.506</b>	-	<b>14.506</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	11.29	6,808,348	76.833	-	-	-	21.06	996,747	20.991	21.50	566,902	12.188	-	-	-	21.50	566,902	12.188
<i>Subtotal: Recurring Cost</i>	-	-	76.832	-	-	-	-	-	20.991	-	-	12.188	-	-	-	-	-	12.188
<i>Subtotal: Hardware Cost</i>	-	-	76.832	-	-	-	-	-	20.991	-	-	12.188	-	-	-	-	-	12.188
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Reliability	-	-	0.501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Verification Test	-	-	-	-	-	0.476	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	0.501	-	-	0.476	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	10.929	-	-	1.368	-	-	1.882	-	-	2.315	-	-	-	-	-	2.315
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	10.929	-	-	1.368	-	-	1.882	-	-	2.315	-	-	-	-	-	2.315
Support - Quality Assurance Cost																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Quality Assurance	-	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.024</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>88.607</b>	-	-	<b>1.844</b>	-	-	<b>22.873</b>	-	-	<b>14.506</b>	-	-	-	-	-	<b>14.506</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types				<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Jul 2025	996,747	21.06	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Jul 2026	566,902	21.50	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army			<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	
<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]			

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E	
O C C #	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 3	B A L D U E A S O F 1 O C T	Calendar Year 2024												Calendar Year 2025												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P

COMPLETE ROUND

Prior Years Deliveries: 6808348

1	2024	ARMY	996.747	.000	996.747				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83.065	83.062	83.062	747.558	
1	2025	ARMY	566.902	.000	566.902																															566.902
									O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army						<b>Date:</b> March 2024											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30						<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types						<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]					

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2026													Fiscal Year 2027													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R  T O 1 O C T 2 0 2 5	BAL D U E  A S O F  1 O C T	Calendar Year 2026													Calendar Year 2027													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

COMPLETE ROUND

Prior Years Deliveries: 6808348																																									
1	2024	ARMY	996.747	249.189	747.558	83.062	83.062	83.062	83.062	83.062	83.062	83.062	83.062	83.062	83.062	83.062																								.000	
1	2025	ARMY	566.902	.000	566.902	-	-	-	-	-	-	-	-	-	-	47.251	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241	47.241		.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E05610 / CTG, 40MM TP-DAY/NITE/ THER,LO VEL M781A1, F/M203GL [BA54]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	50,000	125,000	375,000	6	6	16	22	6	6	16	22

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E05611 / CTG, 40mm TP-Day/Nite/ Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		230.219	4.462	93.943	108.344	-	108.344
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		230.219	4.462	93.943	108.344	-	108.344
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>230.219</b>	<b>4.462</b>	<b>93.943</b>	<b>108.344</b>	-	<b>108.344</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	20.26	10,193,404	206.514	-	-	-	39.88	2,235,204	89.140	37.08	2,724,548	101.026	-	-	-	37.08	2,724,548	101.026
<i>Subtotal: Recurring Cost</i>	-	-	<i>206.518</i>	-	-	-	-	-	<i>89.140</i>	-	-	<i>101.026</i>	-	-	-	-	-	<i>101.026</i>
<i>Subtotal: Hardware Cost</i>	-	-	<b>206.518</b>	-	-	-	-	-	<b>89.140</b>	-	-	<b>101.026</b>	-	-	-	-	-	<b>101.026</b>
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.409</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	2.747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	<b>2.747</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Production Verification Test	-	-	-	-	-	0.628	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	2.588	-	-	2.116	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>2.588</b>	-	-	<b>2.744</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E05611 / CTG, 40mm TP-Day/Nite/ Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Production Engineering	-	-	17.927	-	-	1.468	-	-	4.803	-	-	7.318	-	-	-	-	-	7.318
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>17.927</b>	-	-	<b>1.468</b>	-	-	<b>4.803</b>	-	-	<b>7.318</b>	-	-	-	-	-	<b>7.318</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.034</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Study & Analysis Cost																		
Study & Analysis	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	-	-	-	<b>0.250</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>230.219</b>	-	-	<b>4.462</b>	-	-	<b>93.943</b>	-	-	<b>108.344</b>	-	-	-	-	-	<b>108.344</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types				<b>Item Number / Title [DODIC]:</b> E05611 / CTG, 40mm TP-Day/Nite/ Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Jul 2025	2,235,204	39.88	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Oct 2026	2,724,548	37.08	Y		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types										<b>Item Number / Title [DODIC]:</b> E05611 / CTG, 40mm TP-Day/Nite/ Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]									

Cost Elements <i>(Units in Millions, * = &lt; 500)</i>					Fiscal Year 2026															Fiscal Year 2027															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026															Calendar Year 2027															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

COMPLETE ROUND																																
Prior Years Deliveries: 10193404																																
1	2024	ARMY	2.235	.423	1.812	.201	.201	.201	.201	.201	.201	.201	.201	.201																		.000
1	2025	ARMY	2.725	.000	2.725	-	-	-	-	-	-	-	-	-	-	-	.227	.227	.227	.227	.227	.227	.227	.227	.227	.227	.227	.227	.227	.227	.000	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E05611 / CTG, 40mm TP-Day/Nite/ Ther,Hi Vel,M918E1 f/MK19Gmg [BA55]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	100,000	250,000	850,000	6	6	19	25	6	6	19	25

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E11800 / CTG, 40mm HEDP, M430A1 Series f/MK19 MG [B542]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	733.872	39.593	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	733.872	39.593	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>733.872</b>	<b>39.593</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	49.90	14,570,333	727.067	60.89	497,712	30.307	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	727.074	-	-	30.306	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	727.074	-	-	30.306	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	-	-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	-	-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	0.074	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	-	-	-	0.074	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	6.749	-	-	0.680	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	6.749	-	-	0.680	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.055	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	0.055	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E11800 / CTG, 40mm HEDP, M430A1 Series f/MK19 MG [B542]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Undistributed Procurement Cost																		
Undistributed Procurement	-	-	-	-	-	8.473	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	8.473	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	733.872	-	-	39.593	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types				<b>Item Number / Title [DODIC]:</b> E11800 / CTG, 40mm HEDP, M430A1 Series f/MK19 MG [B542]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	AMTEC CORPORATION / JANESVILLE, WI	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Aug 2024	497,712	60.89	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E12601 / CTG, 40MM HEDP, M433E1 F/ M203 GRENADE LAUNCHER

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				620.717	0.250	12.283	6.830	-	6.830
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				620.717	0.250	12.283	6.830	-	6.830
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>620.717</b>	<b>0.250</b>	<b>12.283</b>	<b>6.830</b>	<b>-</b>	<b>6.830</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
CTG 40MM HEDP M433E1(†)	71.47	8,085,467	577.844	-	-	-	178.64	63,039	11.261	196.94	28,047	5.524	-	-	-	196.94	28,047	5.524
CTG 40MM HEDP M433	69.52	453,528	31.529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	609.373	-	-	-	-	-	11.261	-	-	5.524	-	-	-	-	-	5.524
<b>Subtotal: Hardware Cost</b>	-	-	<b>609.373</b>	-	-	-	-	-	<b>11.261</b>	-	-	<b>5.524</b>	-	-	-	-	-	<b>5.524</b>
Support - Acceptance Testing Cost																		
First Article Test	-	-	2.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>2.537</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Non-Recurring Support Cost																		
Facilitization	-	-	5.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	<b>5.443</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	3.315	-	-	-	-	-	1.013	-	-	1.297	-	-	-	-	-	1.297
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.315</b>	-	-	-	-	-	<b>1.013</b>	-	-	<b>1.297</b>	-	-	-	-	-	<b>1.297</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.050	-	-	-	-	-	0.009	-	-	0.009	-	-	-	-	-	0.009

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E12601 / CTG, 40MM HEDP, M433E1 F/ M203 GRENADE LAUNCHER
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.050	-	-	-	-	-	0.009	-	-	0.009	-	-	-	-	-	0.009
<b>Support - Study &amp; Analysis Cost</b>																		
Study & Analysis	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	620.717	-	-	0.250	-	-	12.283	-	-	6.830	-	-	-	-	-	6.830

**Remarks:**

Unit price increase from FY 2024 to FY 2025 is due to lower quantity being procured.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types				<b>Item Number / Title [DODIC]:</b> E12601 / CTG, 40MM HEDP, M433E1 F/ M203 GRENADE LAUNCHER				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CTG 40MM HEDP M433E1 <sup>(†)</sup>		2024	AMTEC CORPORATION / JANESVILLE, WI	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Aug 2025	63,039	178.64	Y		
CTG 40MM HEDP M433E1 <sup>(†)</sup>		2025	AMTEC CORPORATION / JANESVILLE, WI	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Aug 2026	28,047	196.94	Y		

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



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types										<b>Item Number / Title [DODIC]:</b> E12601 / CTG, 40MM HEDP, M433E1 F/ M203 GRENADE LAUNCHER									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2026															Fiscal Year 2027															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 5	BAL D U E A S O F 1 O C T	Calendar Year 2026															Calendar Year 2027															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
CTG 40MM HEDP M433E1																																					
Prior Years Deliveries: 8085467																																					
	1	2024	ARMY	63.039	10.509	52.530	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	5.253	.000			
	1	2025	ARMY	28.047	.000	28.047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
<b>Item Number / Title [DODIC]:</b> E12601 / CTG, 40MM HEDP, M433E1 F/ M203 GRENADE LAUNCHER		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMTEC CORPORATION - JANESVILLE, WI	20,000	35,000	60,000	6	6	19	25	6	6	17	23

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

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



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				13.844	15.853	-	13.926	-	13.926
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				13.844	15.853	-	13.926	-	13.926
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>13.844</b>	<b>15.853</b>	-	<b>13.926</b>	-	<b>13.926</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	438.44	26,850	11.772	162.76	38,069	6.196	-	-	-	163.41	74,816	12.226	-	-	-	163.41	74,816	12.226
Subtotal: Recurring Cost	-	-	11.772	-	-	6.196	-	-	-	-	-	12.226	-	-	-	-	-	12.226
Subtotal: Hardware Cost	-	-	11.772	-	-	6.196	-	-	-	-	-	12.226	-	-	-	-	-	12.226
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.290	-	-	0.419	-	-	-	-	-	0.302	-	-	-	-	-	0.302
Subtotal: Support - Acceptance Testing Cost	-	-	0.290	-	-	0.419	-	-	-	-	-	0.302	-	-	-	-	-	0.302
Support - Non-Recurring Support Cost																		
Facilitization	-	-	-	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	-	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Reliability	-	-	-	-	-	2.500	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	-	-	-	2.500	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	1.782	-	-	1.738	-	-	-	-	-	1.399	-	-	-	-	-	1.399
Subtotal: Support - Production Engineering Cost	-	-	1.782	-	-	1.738	-	-	-	-	-	1.399	-	-	-	-	-	1.399

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	13.844	-	-	15.853	-	-	-	-	-	13.926	-	-	-	-	-	13.926

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types					<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2023	RDZM, LLC / MIDDLETOWN, IA	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Jun 2026	38,069	162.76	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	RDZM, LLC / MIDDLETOWN, IA	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Oct 2026	74,816	163.41	Y		

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

**Remarks:**

The complete round contract award for Low Rate Initial Production (LRIP) will be an option to the existing contract for Engineering, Manufacturing and Development (EMD).

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types										<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]									

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

COMPLETE ROUND																																					
Prior Years Deliveries: 26850																																					
1	2023	ARMY	38.069	.000	38.069																																38.069
1	2025	ARMY	74.816	.000	74.816																																74.816
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types										<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2026													Fiscal Year 2027												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 5	BAL D U E A S O F 1 O C T	Calendar Year 2026													Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	

COMPLETE ROUND																																				
Prior Years Deliveries: 26850																																				
1	2023	ARMY	38.069	.000	38.069	-	-	-	-	-	-	-	-	-	3.177	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	3.172	.000			
1	2025	ARMY	74.816	.000	74.816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.234	6.234	6.234	6.234	.000
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E70505 / CTG, 40MM, HV HEDP-AB, XM1176 [BA58]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	RDZM, LLC - MIDDLETOWN, IA	1,000	5,000	10,000	6	6	19	25	6	6	19	25

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E71005 / CTG, 40MM, LV HEAB, XM1166 [BZ16]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.500	13.888	2.021	6.934	-	6.934
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	10.500	13.888	2.021	6.934	-	6.934
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.500</b>	<b>13.888</b>	<b>2.021</b>	<b>6.934</b>	<b>-</b>	<b>6.934</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	289.70	29,570	8.566	295.49	37,989	11.225	318.43	994	0.317	325.12	18,536	6.026	-	-	-	325.12	18,536	6.026
Subtotal: Recurring Cost	-	-	8.566	-	-	11.225	-	-	0.317	-	-	6.026	-	-	-	-	-	6.026
Subtotal: Hardware Cost	-	-	8.566	-	-	11.225	-	-	0.317	-	-	6.026	-	-	-	-	-	6.026
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.451	-	-	0.460	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.451	-	-	0.460	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	1.483	-	-	2.203	-	-	1.704	-	-	0.908	-	-	-	-	-	0.908
Subtotal: Support - Production Engineering Cost	-	-	1.483	-	-	2.203	-	-	1.704	-	-	0.908	-	-	-	-	-	0.908
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>10.500</b>	<b>-</b>	<b>-</b>	<b>13.888</b>	<b>-</b>	<b>-</b>	<b>2.021</b>	<b>-</b>	<b>-</b>	<b>6.934</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6.934</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types				<b>Item Number / Title [DODIC]:</b> E71005 / CTG, 40MM, LV HEAB, XM1166 [BZ16]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	37,989	295.49	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Apr 2025	994	318.43	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Apr 2026	18,536	325.12	Y		

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





**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types										<b>Item Number / Title [DODIC]:</b> E71005 / CTG, 40MM, LV HEAB, XM1166 [BZ16]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2026												Fiscal Year 2027												BALANCE						
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P				
COMPLETE ROUND																																			
Prior Years Deliveries: 29570																																			
	1	2023	ARMY	37.989	3.174	34.815	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165																			.000
	1	2024	ARMY	.994	.502	.492	.082	.082	.082	.082	.082	.082																							.000
	1	2025	ARMY	18.536	.000	18.536	-	-	-	-	-	-	1.552	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544	1.544							.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E71005 / CTG, 40MM, LV HEAB, XM1166 [BZ16]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	5,000	10,000	11	11	18	29	6	6	13	19

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types
		<b>Item Number / Title [DODIC]:</b> E74315 / CTG, 40mm Practice, M918/ M385A1 w/M16A2 Lnk f/MK19

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,089.173	32.700	17.850	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,089.173	32.700	17.850	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1,089.173</b>	<b>32.700</b>	<b>17.850</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round(†)	30.07	35,714,757	1,073.854	44.23	705,056	31.185	48.98	346,825	16.987	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	1,073.871	-	-	31.185	-	-	16.987	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	1,073.871	-	-	31.185	-	-	16.987	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.699	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.699	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	1.073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	1.073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Safety	-	-	0.143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	0.143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	13.379	-	-	1.508	-	-	0.850	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	13.379	-	-	1.508	-	-	0.850	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types	<b>Item Number / Title [DODIC]:</b> E74315 / CTG, 40mm Practice, M918/ M385A1 w/M16A2 Lnk f/MK19
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Quality Assurance	-	-	0.024	-	-	0.007	-	-	0.012	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.024</i>	-	-	<i>0.007</i>	-	-	<i>0.012</i>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>1,089.173</b>	-	-	<b>32.700</b>	-	-	<b>17.850</b>	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 3222ER8001 / CTG, 40mm, All Types					<b>Item Number / Title [DODIC]:</b> E74315 / CTG, 40mm Practice, M918/ M385A1 w/M16A2 Lnk f/MK19				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	AMTEC CORPORATION / JANESVILLE, WI	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2025	705,056	44.23	Y		
Complete Round		2024	AMTEC CORPORATION / JANESVILLE, WI	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Oct 2025	346,825	48.98	Y		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition	<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	28.000	20.006	-	20.006	42.261	46.111	46.111	46.572	-	229.061
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	28.000	20.006	-	20.006	42.261	46.111	46.111	46.572	-	229.061
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	-	<b>28.000</b>	<b>20.006</b>	-	<b>20.006</b>	<b>42.261</b>	<b>46.111</b>	<b>46.111</b>	<b>46.572</b>	-	<b>229.061</b>

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

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

**Description:**

(E80011) Next Generation Combat Vehicle Ammunition

50mm x 228 XM1202 Target Practice with Tracer (TP-T) cartridge is a developmental training cartridge designed to be a low cost training cartridge with ballistic match to the developmental XM1204 High Explosive Airburst with Tracer (HEAB-T) cartridge. The XM1202 TP-T consists of an inert steel and aluminum projectile with glass reinforced Ultem rotating band, pyrotechnic tracer, double base or extruded propellant, an M36A2 percussion primer, and steel cartridge case. The XM1202 is planned to be packed 10 cartridges to a PA191 ammunition container. In FY19 a Defense Ordnance Technology Consortium (DOTC) Middle Tier Acquisition- Rapid Prototyping (MTA-RP) program to support the XM30 Mechanized Infantry Combat Vehicle (MICV) program and transition to Milestone C in Quarter three FY 2024 and Low Rate Initial Production in Quarter four FY2024. These items are Code B, not approved for service use.

50mm x 228 XM1203 Armor Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T) cartridge is a developmental anti-materiel cartridge designed to defeat near peer pacing and future vehicle threats. The XM1203 APFSDS-T consists of an aluminum sabot set, depleted uranium penetrator, stainless steel fin, plastic obturator band, pyrotechnic tracer, double base propellant, an M36A2 percussion primer, and steel cartridge case. The XM1203 is planned to be packed 10 cartridges to a PA191 ammunition container. In FY19 a Defense Ordnance Technology Consortium (DOTC) Middle Tier Acquisition- Rapid Prototyping (MTA-RP) program to support the XM30 Mechanized Infantry Combat Vehicle (MICV) program and transition to Milestone C in Quarter one FY2025 and Low Rate Initial Production in Quarter two FY2025. These items are Code B, not approved for service use.

50mm x 228 XM1204 High Explosive Airburst with Tracer (HEAB-T) cartridge is a developmental multipurpose anti-personnel tactical cartridge meant to engage personnel and Anti-Tank Guided Missile (ATGM) targets in the open, in defilade, and within urban structures. The XM1204 HEAB-T consists of a titanium and steel with preformed fragments body, glass reinforced Ultem rotating band, multi-mode electro-mechanical programmable contact set fuze, pyrotechnic tracer, double base or extruded propellant, an M36A2 percussion primer, and steel cartridge case. The XM1204 is planned to be packed 10 cartridges to a PA191 ammunition container. In FY19 a Defense Ordnance Technology Consortium (DOTC) Middle Tier Acquisition- Rapid Prototyping (MTA-RP) program to support the XM30 Mechanized Infantry Combat Vehicle (MICV) program and transition to Milestone C in Quarter one FY2027 and Low Rate Initial Production in Quarter two FY2027. These items are Code B, not approved for service use.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/  
Medium Cal Ammunition **P-1 Line Item Number / Title:**  
8030E80010 / CTG, 50MM, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E80011 / Next Generation Combat Vehicle Ammunition	P-5a, P-21	B		- / -	- / -	- / 28.000	- / 20.006	- / -	- / 20.006
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / -	- / 28.000	- / 20.006	- / -	- / 20.006

\*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 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.  
 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.

FY 2025 Total Base dollars in the amount of \$20.006 million supports the procurement of 21,211 cartridges.

(E80011) Next Generation Combat Vehicle Ammunition  
 This suite of ammunition is used both as training unique items not used in combat and war reserve items used in combat. The FY 2025 request supports annual training and builds depot level and war reserve inventories in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$20.006 million support the procurement of 21,211 cartridges.  
 Type Classification Date: Pending



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30	<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types	<b>Item Number / Title [DODIC]:</b> E80011 / Next Generation Combat Vehicle Ammunition

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	28.000	20.006	-	20.006
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	28.000	20.006	-	20.006
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	-	<b>28.000</b>	<b>20.006</b>	-	<b>20.006</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(†)</sup>	-	-	-	-	-	-	874.78	30,967	27.089	900.81	21,211	19.107	-	-	-	900.81	21,211	19.107
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	<i>27.089</i>	-	-	<i>19.107</i>	-	-	-	-	-	<i>19.107</i>
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	<b>27.089</b>	-	-	<b>19.107</b>	-	-	-	-	-	<b>19.107</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.911	-	-	0.899	-	-	-	-	-	0.899
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	<b>0.911</b>	-	-	<b>0.899</b>	-	-	-	-	-	<b>0.899</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	<b>28.000</b>	-	-	<b>20.006</b>	-	-	-	-	-	<b>20.006</b>

**Remarks:**

FY 2024 and FY 2025 Unit Costs are an average of all three cartridges TP-T, APFSDS-T and HEAB-T. Future Budget Exhibits will include additional Item Numbers that create separate SSN's for each cartridge and break out unit costs.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30			<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types				<b>Item Number / Title [DODIC]:</b> E80011 / Next Generation Combat Vehicle Ammunition				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	/	OTHER	Mar 2024	Mar 2025	30,967	874.78	Y		
Complete Round <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	TBD	OTHER	Mar 2025	Mar 2026	21,211	900.81	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types										<b>Item Number / Title [DODIC]:</b> E80011 / Next Generation Combat Vehicle Ammunition									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
Complete Round																																				
	1	2024	ARMY	30.967	.000	30.967																							2.587	2.580	2.580	2.580	2.580	2.580	2.580	12.900
	1	2025	ARMY	21.211	.000	21.211																							A -	-	-	-	-	-	-	21.211
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30										<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types										<b>Item Number / Title [DODIC]:</b> E80011 / Next Generation Combat Vehicle Ammunition									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Complete Round																															
	1	2024	ARMY	30.967	18.067	12.900	2.580	2.580	2.580	2.580																			.000		
	1	2025	ARMY	21.211	.000	21.211	-	-	-	-	-	1.771	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.765	1.772						.000		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30		<b>P-1 Line Item Number / Title:</b> 8030E80010 / CTG, 50MM, All Types
		<b>Item Number / Title [DODIC]:</b> E80011 / Next Generation Combat Vehicle Ammunition

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	1,000,000	2,000,000	6	6	12	18	6	6	12	18

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

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

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	696.617	36.923	35.160	40.853	-	40.853	42.320	39.665	49.405	50.295	-	991.238
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	696.617	36.923	35.160	40.853	-	40.853	42.320	39.665	49.405	50.295	-	991.238
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>696.617</b>	<b>36.923</b>	<b>35.160</b>	<b>40.853</b>	-	<b>40.853</b>	<b>42.320</b>	<b>39.665</b>	<b>49.405</b>	<b>50.295</b>	-	<b>991.238</b>

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

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

**Description:**

(E89600) 60MM Mortar, All Types

This line includes 60mm Mortar Ammunition, All Types.

The 60mm Mortar cartridges are designed for use with the M224A1 Lightweight Company Mortar System (LWCMS) used by the Stryker Brigade Combat Teams as well as light infantry battalions including Airborne, Air Assault and Ranger. The short minimum range of the M224 makes the 60mm mortar ammunition well suited for close protective fires against an assaulting enemy, for block-to-block fighting in cities, and combat over close terrain with restricted visibility.

(E85700) CTG, 60mm Mortar IR ILLUM, M767 Series w/MTSQ Fuze

The M767 cartridge is a fin stabilized, mortar cartridge that consists of a M776 Mechanical Time Superquick (MTSQ) fuze, a thin wall steel body tube and aluminum tail cone that contains the payload (parachute and canister), and a fin assembly that contains the ignition cartridge and propelling charges. The payload is base ejected and upon ignition produces infrared (IR) illumination. The advantage of the infrared over conventional illumination is that there is minimal visible light. This reduces the possibility of exposing forward friendly troop positions while also allowing covert adjustment of fire at greater observation distances through use of passive Night Vision Devices (NVD). The M721/M767 Illumination cartridges (Range 300 meter minimum to 3,175 meter maximum) are ballistically similar to the M720A1 High Explosive (HE) cartridge, allowing a gun to illuminate and fire on the same target without adjustments.

This item is Code A, approved for service use.

(E92200) CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze

The M769 is a low-cost, full range, training round (FRTR) that will replace a percentage of the standard HE rounds used in 60mm mortar training. The M769 FRTR (Range 70 meter minimum to 3,500 meter maximum) has been designed to provide the user with realistic training at a fraction of the cost. It is identical in shape, size and weight to the M720/M720A1 High Explosive cartridges. The flash, bang and smoke signature provided by the M775 fuze is channeled to exhaust holes in the rear of the cartridge through the use of a center vent tube.

This item is Code A, approved for service use.

(E92900) CTG, 60mm Mortar HE, M768 Series w/PD Fuze

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The 60mm HE cartridges are Insensitive Munitions (IM) enhanced, HE rounds. The M768 HE cartridge (Range 70 meter minimum to 3,400 meter maximum) is used with the new M783 dual safety, point detonating/delay fuze, tail fin assembly, and high fragmentation steel (HF-1) shell body loaded with approximately 2 pounds. of an IM explosive. This cartridge is used primarily in training because it is significantly less expensive than the M720A1, the preferred war fighting cartridge. However, the M768 is lethal and can be used in combat. This item is Code A, approved for service use.</p> <p>(E93900) CTG, 60mm Mortar HE M720 Series w/MOFM The 60mm HE cartridges are IM enhanced, HE rounds. The M720 HE cartridge (range 70 meter minimum to 3,400 meter maximum) with Multi-Option Fuze is used against personnel and materiel providing both fragmentation and blast effects. Lethality is maintained by using a high fragmentation steel (HF-1) shell body loaded with approximately two pounds. of an IM explosive. The M720A1 incorporates the highly reliable and countermeasure resistant M734A1 multi-option fuze. When the fuze is set in the proximity mode, it functions at a height over the target that is optimized for lethality. This item is Code A, approved for service use.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition

**P-1 Line Item Number / Title:**  
0050E89600 / 60MM Mortar, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E85700 / CTG, 60mm Mortar IR ILLUM, M767 Series w/MTSQ Fuze [BA04]		A		- / 61.356	- / 4.745	- / -	- / -	- / -	- / -
P-5	E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]	P-5a, P-21	A		- / 220.483	- / 13.411	- / 14.611	- / 18.360	- / -	- / 18.360
P-5	E92900 / CTG, 60mm Mortar HE, M768 Series w/PD Fuze [BA45]		A		- / 328.143	- / -	- / 0.469	- / -	- / -	- / -
P-5	E93900 / CTG, 60mm Mortar HE, M720 Series w/MOFM	P-5a	A		- / 86.635	- / 18.767	- / 20.080	- / 22.493	- / -	- / 22.493
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 696.617</b>	<b>- / 36.923</b>	<b>- / 35.160</b>	<b>- / 40.853</b>	<b>- / -</b>	<b>- / 40.853</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life cycle.

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.

FY 2025 Total Base dollars in the amount of \$40.853 million supports the procurement of 83,685 cartridges.

The FY 2023 actuals for base include \$6.661 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

E85700 - CTG, 60mm Mortar IR ILLUM, M767 Series w/MTSQ Fuze  
This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.  
TYPE CLASSIFICATION DATE: DECEMBER 1999

E92200 - CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze  
This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$18.360 million supports the procurement of 55,322 cartridges.  
TYPE CLASSIFICATION DATE: 2001

E92900 - CTG, 60mm Mortar HE, M768 Series w/PD Fuze  
This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.  
TYPE CLASSIFICATION DATE: 2001



**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
E93900 - CTG, 60mm Mortar HE, M720 Series w/MOFM Fuze This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$22.493 million supports the procurement of 28,363 cartridges. TYPE CLASSIFICATION DATE: 2001		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E85700 / CTG, 60mm Mortar IR ILLUM, M767 Series w/MTSQ Fuze [BA04]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	61.356	4.745	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	61.356	4.745	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>61.356</b>	<b>4.745</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP)	141.97	24,017	3.410	177.16	5,000	0.886	-	-	-	-	-	-	-	-	-	-	-	-
FIN ASSEMBLY M27	7.49	24,737	0.185	8.10	5,150	0.042	-	-	-	-	-	-	-	-	-	-	-	-
M702 IGNITION CARTRIDGE	14.59	24,737	0.361	16.88	5,150	0.087	-	-	-	-	-	-	-	-	-	-	-	-
PROPELLANT CHARGE, M235	12.97	98,950	1.284	14.49	20,600	0.298	-	-	-	-	-	-	-	-	-	-	-	-
FUZE MTSQ, M776	214.90	24,737	5.316	237.45	5,150	1.223	-	-	-	-	-	-	-	-	-	-	-	-
BODY TUBE, 60MM ILLUM	22.21	24,737	0.549	38.54	5,150	0.198	-	-	-	-	-	-	-	-	-	-	-	-
TAIL CONE, 60MM ILLUM	18.57	24,737	0.459	33.56	5,150	0.173	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE, 60MM	22.00	24,737	0.544	35.27	5,150	0.182	-	-	-	-	-	-	-	-	-	-	-	-
IR ILLUM CANNISTER, 60MM	88.08	24,737	2.179	95.14	5,150	0.490	-	-	-	-	-	-	-	-	-	-	-	-
FIBER CONTAINER PA 175, 60MM	3.54	24,737	0.087	3.49	5,150	0.018	-	-	-	-	-	-	-	-	-	-	-	-
METAL CONTAINER PA191, 60MM	46.85	3,046	0.143	49.44	625	0.031	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	14.517	-	-	3.628	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	14.517	-	-	3.628	-	-	-	-	-	-	-	-	-	-	-	-

Support - Acceptance Testing Cost

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E85700 / CTG, 60mm Mortar IR ILLUM, M767 Series w/MTSQ Fuze [BA04]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Acceptance Test	-	-	0.321	-	-	0.409	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.321</b>	-	-	<b>0.409</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	46.517	-	-	0.708	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>46.517</b>	-	-	<b>0.708</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>61.356</b>	-	-	<b>4.745</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		220.483	13.411	14.611	18.360	-	18.360
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		220.483	13.411	14.611	18.360	-	18.360
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>220.483</b>	<b>13.411</b>	<b>14.611</b>	<b>18.360</b>	<b>-</b>	<b>18.360</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Load, Assemble, Pack (LAP) <sup>(†)</sup>	18.77	392,323	7.362	26.92	57,193	1.539	22.47	60,228	1.353	91.80	55,322	5.079	-	-	-	91.80	55,322	5.079
Fuze Practice, M775 <sup>(†)</sup>	20.57	404,093	8.314	22.79	58,909	1.343	23.24	62,034	1.442	27.99	56,982	1.595	-	-	-	27.99	56,982	1.595
Shell Body, 60MM FRPC <sup>(†)</sup>	37.04	404,093	14.968	38.99	58,909	2.297	47.31	62,034	2.935	47.34	56,982	2.698	-	-	-	47.34	56,982	2.698
M702 Ignition Cartridge <sup>(†)</sup>	14.70	404,093	5.941	16.89	58,909	0.995	38.05	62,034	2.360	38.85	56,982	2.214	-	-	-	38.85	56,982	2.214
Propellant Charge, M235 <sup>(†)</sup>	12.81	1,616,371	20.707	14.49	235,635	3.415	16.06	248,139	3.985	16.40	227,926	3.738	-	-	-	16.40	227,926	3.738
Fin Assembly M27 <sup>(†)</sup>	7.37	404,093	2.978	7.48	58,909	0.440	8.26	62,034	0.512	17.68	56,982	1.007	-	-	-	17.68	56,982	1.007
<i>Subtotal: Recurring Cost</i>	-	-	60.270	-	-	10.029	-	-	12.588	-	-	16.330	-	-	-	-	-	16.330
<i>Subtotal: Hardware Cost</i>	-	-	60.270	-	-	10.029	-	-	12.588	-	-	16.330	-	-	-	-	-	16.330
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	2.331	-	-	0.814	-	-	0.477	-	-	0.386	-	-	-	-	-	0.386
First Article Test	-	-	-	-	-	-	-	-	-	-	-	0.060	-	-	-	-	-	0.060
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	2.331	-	-	0.814	-	-	0.477	-	-	0.446	-	-	-	-	-	0.446
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	-	-	-	0.220	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	0.220	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	157.882	-	-	2.229	-	-	1.547	-	-	1.581	-	-	-	-	-	1.581
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	157.882	-	-	2.229	-	-	1.547	-	-	1.581	-	-	-	-	-	1.581
<b>Support - System Test and Evaluation Cost</b>																		
Operational Test and Evaluation	-	-	-	-	-	0.119	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	-	-	-	0.119	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	220.483	-	-	13.411	-	-	14.611	-	-	18.360	-	-	-	-	-	18.360

**Remarks:**

Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33			P-1 Line Item Number / Title: 0050E89600 / 60MM Mortar, All Types					Item Number / Title [DODIC]: E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]				
Cost Elements	O 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
Load, Assemble, Pack (LAP) <sup>(†)</sup>		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2023	Nov 2025	57,161	26.88	Y		
Load, Assemble, Pack (LAP) <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2026	32	91.80	Y		
Load, Assemble, Pack (LAP) <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2026	60,228	22.47	Y		
Load, Assemble, Pack (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	May 2027	55,322	91.80	Y		
Fuze Practice, M775		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2024	58,876	22.79	Y		
Fuze Practice, M775		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	33	27.42	Y		
Fuze Practice, M775		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	62,034	23.24	Y		
Fuze Practice, M775		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	56,982	27.99	Y		
Shell Body, 60MM FRPC		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	33	43.39	Y		
Shell Body, 60MM FRPC		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Dec 2022	Jun 2024	58,876	38.99	Y		
Shell Body, 60MM FRPC		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	62,034	47.31	Y		
Shell Body, 60MM FRPC		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	56,982	47.34	Y		
M702 Ignition Cartridge		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Oct 2024	58,876	16.88	Y		
M702 Ignition Cartridge		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	33	38.06	Y		
M702 Ignition Cartridge		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	62,034	38.05	Y		
M702 Ignition Cartridge		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	56,982	38.85	Y		
Propellant Charge, M235		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	132	16.07	Y		
Propellant Charge, M235		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Oct 2024	235,503	14.49	Y		
Propellant Charge, M235		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	248,139	16.06	Y		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Propellant Charge, M235		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	227,926	16.40	Y		
Fin Assembly M27		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	33	17.32	Y		
Fin Assembly M27		2023	FLEXIBLE CONCEPTS, INC. / ELKHART, IN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2024	58,876	7.47	Y		
Fin Assembly M27		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	62,034	8.26	Y		
Fin Assembly M27		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	56,982	17.68	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 2	BAL D U E A S O F 1 O C T	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Load, Assemble, Pack (LAP)																																			
Prior Years Deliveries: 392323																																			
	1	2023	ARMY	57.161	.000	57.161																								57.161					
	2	2023	ARMY	.032	.000	.032																								.032					
	2	2023	MC <sup>(+)</sup>	2.449	.000	2.449																								2.449					
	<b>2</b>	<b>2023</b>	<b>Total</b>	<b>2.481</b>	<b>.000</b>	<b>2.481</b>																								<b>2.481</b>					
	2	2024	ARMY	60.228	.000	60.228																								60.228					
	2	2024	MC <sup>(+)</sup>	2.514	.000	2.514																								2.514					
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>62.742</b>	<b>.000</b>	<b>62.742</b>																								<b>62.742</b>					
	2	2025	ARMY	55.322	.000	55.322																								55.322					
	2	2025	MC <sup>(+)</sup>	50.557	.000	50.557																								50.557					
	2	2025	NSOF <sup>(+)</sup>	4.591	.000	4.591																								4.591					
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>110.470</b>	<b>.000</b>	<b>110.470</b>																								<b>110.470</b>					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																		<b>Date:</b> March 2024											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025												Fiscal Year 2026												B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P			
Load, Assemble, Pack (LAP)																																		
Prior Years Deliveries: 392323																																		
1	2023	ARMY		57.161	.000	57.161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000				
2	2023	ARMY		.032	.000	.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.032					.000	
2	2023	MC <sup>(†)</sup>		2.449	.000	2.449	-	-	-	-	-	-	-	2.449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.000
<b>2</b>	<b>2023</b>	<b>Total</b>		<b>2.481</b>	<b>.000</b>	<b>2.481</b>	-	-	-	-	-	-	-	<b>2.449</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.032</b>	-	-	-	-	<b>.000</b>
2	2024	ARMY		60.228	.000	60.228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.938	12.000	12.000	12.000	14.290	.000
2	2024	MC <sup>(†)</sup>		2.514	.000	2.514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.514	-	-	-	-	.000
<b>2</b>	<b>2024</b>	<b>Total</b>		<b>62.742</b>	<b>.000</b>	<b>62.742</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>12.452</b>	<b>12.000</b>	<b>12.000</b>	<b>12.000</b>	<b>14.290</b>	<b>.000</b>
2	2025	ARMY		55.322	.000	55.322									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.322
2	2025	MC <sup>(†)</sup>		50.557	.000	50.557									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.557
2	2025	NSOF <sup>(‡)</sup>		4.591	.000	4.591									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.591
<b>2</b>	<b>2025</b>	<b>Total</b>		<b>110.470</b>	<b>.000</b>	<b>110.470</b>									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>110.470</b>
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027													Fiscal Year 2028													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Load, Assemble, Pack (LAP)																																	
Prior Years Deliveries: 392323																																	
	1	2023	ARMY	57.161	57.161	.000																									.000		
	2	2023	ARMY	.032	.032	.000																									.000		
	2	2023	MC (+)	2.449	2.449	.000																									.000		
	<b>2</b>	<b>2023</b>	<b>Total</b>	<b>2.481</b>	<b>2.481</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
	2	2024	ARMY	60.228	60.228	.000																									.000		
	2	2024	MC (+)	2.514	2.514	.000																									.000		
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>62.742</b>	<b>62.742</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
	2	2025	ARMY	55.322	.000	55.322	-	-	-	-	-	-	8.000	12.000	12.000	12.000	11.322														.000		
	2	2025	MC (+)	50.557	.000	50.557	-	-	-	-	-	-	8.000	12.000	12.000	12.000	6.557													.000			
	2	2025	NSOF (+)	4.591	.000	4.591	-	-	-	-	-	-	4.591	-	-	-	-													.000			
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>110.470</b>	<b>.000</b>	<b>110.470</b>	-	-	-	-	-	-	<b>20.591</b>	<b>24.000</b>	<b>24.000</b>	<b>24.000</b>	<b>17.879</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E92200 / CTG, 60mm Mortar FRTR, M769 Series w/Practice Fuze [BA15]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAMMO POCAL INC. - SCRANTON, PA	10,000	12,000	24,000	8	8	26	34	8	8	24	32
2	TO BE SELECTED - TBS01	10,000	12,000	24,000	8	8	24	32	8	8	24	32

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E92900 / CTG, 60mm Mortar HE, M768 Series w/PD Fuze [BA45]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	328.143	-	0.469	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	328.143	-	0.469	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>328.143</b>	-	<b>0.469</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP)	62.14	225,200	13.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHELL BODY (HF1), 60MM HE	40.53	231,958	9.402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIN ASSEMBLY M27	7.36	231,958	1.708	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M702 IGNITION CARTRIDGE	17.82	231,958	4.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROPELLANT CHARGE, M235	12.13	927,824	11.251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUZE POINT DETONATOR M783	177.62	231,958	41.201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBXW-12 BULK EXPLOSIVE	96.46	6,289	0.607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE FILL IMX-104	22.33	570,177	12.735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	95.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>95.031</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	1.643	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>1.818</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E92900 / CTG, 60mm Mortar HE, M768 Series w/PD Fuze [BA45]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Production Engineering Cost																		
Production Engineering	-	-	231.292	-	-	-	-	-	0.469	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>231.292</b>	-	-	-	-	-	<b>0.469</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>328.143</b>	-	-	-	-	-	<b>0.469</b>	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E93900 / CTG, 60mm Mortar HE, M720 Series w/MOFM

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				86.635	18.767	20.080	22.493	-	22.493
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				86.635	18.767	20.080	22.493	-	22.493
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>86.635</b>	<b>18.767</b>	<b>20.080</b>	<b>22.493</b>	<b>-</b>	<b>22.493</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	119.86	20,637	2.474	102.63	25,626	2.630	150.56	27,645	4.162	162.74	28,363	4.616	-	-	-	162.74	28,363	4.616
FUZE MOFM, M734A1 <sup>(†)</sup>	260.26	21,256	5.532	267.79	28,449	7.618	283.41	28,474	8.070	289.37	29,214	8.454	-	-	-	289.37	29,214	8.454
SHELL BODY (HF1), 60MM HE <sup>(†)</sup>	42.59	21,256	0.905	44.18	26,395	1.166	44.31	28,474	1.262	52.45	29,214	1.532	-	-	-	52.45	29,214	1.532
M702 IGNITION CARTRIDGE <sup>(†)</sup>	18.01	21,256	0.383	23.17	26,395	0.612	38.05	28,474	1.083	38.85	29,214	1.135	-	-	-	38.85	29,214	1.135
PROPELLANT CHARGE, M235 <sup>(†)</sup>	15.98	85,024	1.359	14.96	105,579	1.579	16.06	113,897	1.829	16.40	116,855	1.916	-	-	-	16.40	116,855	1.916
FIN ASSEMBLY M27 <sup>(†)</sup>	7.55	21,256	0.160	10.39	26,395	0.274	8.26	28,474	0.235	17.68	29,214	0.517	-	-	-	17.68	29,214	0.517
COMP B TYPE I GRADE A <sup>(†)</sup>	-	-	-	13.03	47,408	0.618	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE FILL IMX-104 <sup>(†)</sup>	-	-	-	-	-	-	26.13	51,143	1.336	28.95	52,471	1.519	-	-	-	28.95	52,471	1.519
PBXW-12 BULK EXPLOSIVE <sup>(†)</sup>	-	-	-	-	-	-	126.18	1,659	0.209	113.84	1,702	0.194	-	-	-	113.84	1,702	0.194
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>10.813</i>	<i>-</i>	<i>-</i>	<i>14.497</i>	<i>-</i>	<i>-</i>	<i>18.187</i>	<i>-</i>	<i>-</i>	<i>19.882</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>19.882</i>
<i>Subtotal: Hardware Cost</i>	<i>-</i>	<i>-</i>	<i>10.813</i>	<i>-</i>	<i>-</i>	<i>14.497</i>	<i>-</i>	<i>-</i>	<i>18.187</i>	<i>-</i>	<i>-</i>	<i>19.882</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>19.882</i>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E93900 / CTG, 60mm Mortar HE, M720 Series w/MOFM
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.166	-	-	1.305	-	-	0.092	-	-	0.083	-	-	-	-	-	0.083
First Article Test	-	-	-	-	-	0.012	-	-	-	-	-	0.366	-	-	-	-	-	0.366
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.166</b>	-	-	<b>1.317</b>	-	-	<b>0.092</b>	-	-	<b>0.449</b>	-	-	-	-	-	<b>0.449</b>
<b>Support - Initial Spares and Repair Parts Cost</b>																		
Initial Spares and Repair Parts	-	-	-	-	-	0.085	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Initial Spares and Repair Parts Cost</i>	-	-	-	-	-	<b>0.085</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	75.656	-	-	2.868	-	-	1.801	-	-	2.161	-	-	-	-	-	2.161
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>75.656</b>	-	-	<b>2.868</b>	-	-	<b>1.801</b>	-	-	<b>2.161</b>	-	-	-	-	-	<b>2.161</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>86.635</b>	-	-	<b>18.767</b>	-	-	<b>20.080</b>	-	-	<b>22.493</b>	-	-	-	-	-	<b>22.493</b>

**Remarks:**  
Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33				P-1 Line Item Number / Title: 0050E89600 / 60MM Mortar, All Types				Item Number / Title [DODIC]: E93900 / CTG, 60mm Mortar HE, M720 Series w/MOFM				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	DAY & ZIMMERMAN (KSAAP) / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2023	Jun 2026	18,018	92.83	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	7,608	125.85	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	27,645	150.56	N		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	May 2028	28,363	162.74	N		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Dec 2024	20,833	278.71	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS INC. / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2026	7,616	278.71	Y		
FUZE MOFM, M734A1		2024	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2026	28,474	283.41	Y		
FUZE MOFM, M734A1		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2027	29,214	289.37	Y		
SHELL BODY (HF1), 60MM HE		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	7,836	47.95	Y		
SHELL BODY (HF1), 60MM HE		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Dec 2022	Dec 2024	18,559	42.59	Y		
SHELL BODY (HF1), 60MM HE		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	28,474	44.31	Y		
SHELL BODY (HF1), 60MM HE		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2027	29,214	52.45	Y		
M702 IGNITION CARTRIDGE		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	7,836	38.06	Y		
M702 IGNITION CARTRIDGE		2023	NAMMO POCAL INC. / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Oct 2024	18,559	16.88	Y		
M702 IGNITION CARTRIDGE		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	28,474	38.05	Y		
M702 IGNITION CARTRIDGE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	29,214	38.85	Y		
PROPELLANT CHARGE, M235		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	74,234	14.49	Y		
PROPELLANT CHARGE, M235		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	31,345	16.07	Y		
PROPELLANT CHARGE, M235		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	113,897	16.06	Y		



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<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 0050E89600 / 60MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E93900 / CTG, 60mm Mortar HE, M720 Series w/MOFM				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PROPELLANT CHARGE, M235		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	116,855	16.40	Y		
FIN ASSEMBLY M27		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	7,836	17.32	Y		
FIN ASSEMBLY M27		2023	FLEXIBLE CONCEPTS, INC. / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2024	18,559	7.47	Y		
FIN ASSEMBLY M27		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	28,474	8.26	Y		
FIN ASSEMBLY M27		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	29,214	17.68	Y		
COMP B TYPE I GRADE A		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	14,075	13.21	Y		
COMP B TYPE I GRADE A		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	33,333	12.95	Y		
EXPLOSIVE FILL IMX-104		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2026	51,143	26.13	Y		
EXPLOSIVE FILL IMX-104		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	52,471	28.95	Y		
PBXW-12 BULK EXPLOSIVE		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	1,659	126.18	Y		
PBXW-12 BULK EXPLOSIVE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,702	113.84	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	783.647	66.781	40.562	51.282	-	51.282	53.116	54.144	51.784	53.103	-	1,154.419
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	783.647	66.781	40.562	51.282	-	51.282	53.116	54.144	51.784	53.103	-	1,154.419
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>783.647</b>	<b>66.781</b>	<b>40.562</b>	<b>51.282</b>	<b>-</b>	<b>51.282</b>	<b>53.116</b>	<b>54.144</b>	<b>51.784</b>	<b>53.103</b>	<b>-</b>	<b>1,154.419</b>

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

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

**Description:**

SSN E76100 / CTG, 81mm Mortar VL ILLUM, M853 Series w/MTSQ Fuze is a new start within the 81MM Mortar, All Types program in FY 2025

This budget line includes 81mm Mortar Ammunition, All Types.

The 81mm Mortar cartridges are designed for use with the M252 Mortar Weapon System used by the Stryker Brigade Combat Teams as well as light infantry battalions including Airborne, Air Assault and Ranger.

(E18403) CTG, MORTAR, 81MM HE M821 W/MOFM

The 81mm High Explosive (HE) cartridges are Insensitive Munitions (IM) enhanced. The 81mm HE cartridges consist of a fuze, a threaded plastic fuze adapter, a High Fragmentation (HF)-1 steel projectile body loaded with approximately three pounds of IMX-104 explosive, a plastic obturating ring, a M24 Fin, the M220 Propelling Charges, and a M299 Ignition Cartridge. The M821A2 HE (range 70 meter minimum to 5,859 meters maximum) also incorporates the highly reliable and robust electronic countermeasure resistant M734A1 multi-option fuze. When the fuze is set in the proximity mode, it functions at a height over the target that is optimized for lethality. The IM features of this cartridge reduce the vulnerability to unplanned stimuli, e.g. fire/heat, shock and impact. To maintain the required effectiveness while implementing IM features, the M821A4 cartridge incorporates warhead modifications in order to meet all requirements. Specifically, the warhead will consist of a fragmentation sleeve with an HF-1 steel body. All other components are the same and utilize existing production lines and production contracts. These items are Code A, approved for service use.

(E18404) CTG, MORTAR, 81MM HE M889 SERIES W/PD FUZE

The 81mm HE cartridges are IM enhanced. The 81mm HE cartridges consist of a fuze, a threaded plastic fuze adapter, a HF-1 steel projectile body loaded with approximately three pounds of IMX-104 explosive, a plastic obturating ring, a M24 Fin, the M220 Propelling Charges, and a M299 Ignition Cartridge. The M889A4 HE (range 70 meter minimum to 5,859 meters maximum) is used with the new M783 dual safety, point detonating/delay fuze. This cartridge is used primarily in training because it is significantly less expensive than the M821A2, the preferred war fighting cartridge. However, the M889A4 is lethal and can be used in combat. The IM features of this cartridge reduce the vulnerability to unplanned stimuli, e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat. These items are Code A, approved for service use.

(E69600) CTG, MORTAR, 81MM FRTR M879 SERIES W/PRACTICE FUZE

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The M879 is a low-cost, full range, training round (FRTR) that will replace a percentage of the standard HE rounds used in 81mm mortar training. The M879 FRPC (range 70 meter minimum to 5,800 meters maximum) has been designed to provide the user with realistic training at a fraction of the cost. It is identical in shape, size and weight to the M889A4/M821A4 HE cartridges. The flash, bang and smoke signature provided by the M751 practice fuze is channeled to exhaust holes in the rear of the cartridge using a center vent tube. This item is Code A, approved for service use.</p> <p>(E76100) - CTG, MORTAR, 81MM VL ILLUM M853 SERIES W/MTSQ FUZE The M853A1 cartridge is a fin stabilized, mortar cartridge that consists of a M772 Mechanical Time Super Quick (MTSQ) fuze, a thin wall aluminum body tube and aluminum tail cone that contains the payload (parachute and canister), and a fin assembly that contains the ignition cartridge and propelling charges. The payload is base ejected and upon ignition produces visible light illumination. This visible light illumination allows for monitoring of enemy activities and adjustment of fire at greater observation distances during night operations. It also provides a means for day/night signaling. It is particularly useful in combined operations with allies who may not have night vision devices (NVDs). This round illuminates to the full range of the HE round, which allows adjustment of fire at any distance out to the maximum range. The M853A1 (range 300 meter minimum and 5,050 maximum) is range-matched to the 81mm HE and smoke cartridges. This item is Code A, approved for service use.</p> <p>(E90000) - CTG, MORTAR, 81MM IR ILLUM M816 SERIES W/MTSQ FUZE The M816 cartridge is a fin stabilized, mortar cartridge that consists of a M772 Mechanical Time Super Quick (MTSQ) fuze, a thin wall aluminum body tube and aluminum tail cone that contains the payload (parachute and canister), and a fin assembly that contains the ignition cartridge and propelling charges. The payload is base ejected and upon ignition produces infra-red illumination. The advantage is that there is minimal visible light. This reduces the possibility of exposing forward friendly troop positions while also allowing covert adjustment of fire at greater observation distances through the use of passive NVDs. This round illuminates to the full range of the HE round, which allows adjustment of fire at any distance out to the maximum range. The M853A1 (range 300 meter minimum and 5,050 maximum) is range-matched to the 81mm HE and smoke cartridges. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition

**P-1 Line Item Number / Title:**  
3584E76000 / 81MM Mortar, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]	P-5a, P-21	A		- / 392.336	- / 53.910	- / 26.206	- / 30.126	- / -	- / 30.126
P-5	E69600 / CTG, 81mm FRTR, M879 Series w/Practice Fuze [C875]	P-5a	A		- / 227.161	- / 9.215	- / 14.356	- / 12.762	- / -	- / 12.762
P-5	E76100 / CTG, 81mm Mortar VL ILLUM, M853 Series w/MTSQ Fuze [C871]	P-5a	A		- / 106.340	- / -	- / -	- / 8.394	- / -	- / 8.394
P-5	E90000 / CTG, 81mm Mortar IR ILLUM, M816 Series w/MTSQ Fuze		A		- / 57.810	- / 3.656	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 783.647</b>	<b>- / 66.781</b>	<b>- / 40.562</b>	<b>- / 51.282</b>	<b>- / -</b>	<b>- / 51.282</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$51.282 million supports procurement of 53,889 cartridges.

The FY 2023 actuals for base include \$12.365 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E18403) CTG, MORTAR, 81MM HE M821 SERIES W/MOFM  
This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$30.126 million supports procurement of 15,456 cartridges.  
TYPE CLASSIFICATION DATE: June 1996

(E69600) CTG, MORTAR, 81MM FRTR M879 SERIES W/PRACTICE FUZE  
This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$12.762 million supports procurement of 32,909 cartridges.  
TYPE CLASSIFICATION DATE: August 1986

(E76100) CTG, MORTAR, 81MM VL ILLUM M853A1 SERIES W/MTSQ FUZE  
E76100 is a new start in FY 2025. This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$8.394 million supports procurement of 5,524 cartridges.  
TYPE CLASSIFICATION DATE: December 1986

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

(E90000) CTG, MORTAR, 81MM IR ILLUM M816  
This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.  
TYPE CLASSIFICATION DATE: December 1986

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	392.336	53.910	26.206	30.126	-	30.126
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	392.336	53.910	26.206	30.126	-	30.126
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>392.336</b>	<b>53.910</b>	<b>26.206</b>	<b>30.126</b>	<b>-</b>	<b>30.126</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	398.38	111,635	44.473	619.76	38,920	24.121	548.70	20,275	11.125	928.08	15,456	14.344	-	-	-	928.08	15,456	14.344
SHELL BODY, 81MM HE M821A4 <sup>(†)</sup>	85.24	114,983	9.801	101.13	40,088	4.054	92.65	20,883	1.935	187.38	15,919	2.983	-	-	-	187.38	15,919	2.983
FIN MORTAR CTG M24 F/81MM <sup>(†)</sup>	17.55	114,983	2.018	17.12	40,088	0.686	20.65	20,883	0.431	26.85	15,919	0.427	-	-	-	26.85	15,919	0.427
IGN CTG M299 <sup>(†)</sup>	15.93	114,983	1.832	16.89	40,088	0.677	18.53	20,883	0.387	18.64	15,919	0.297	-	-	-	18.64	15,919	0.297
PROPELLANT CHARGE, M658 <sup>(†)</sup>	14.30	459,937	6.578	16.60	160,350	2.662	18.49	83,533	1.545	18.99	63,678	1.209	-	-	-	18.99	63,678	1.209
FUZE MOFM, M734A1 <sup>(†)</sup>	256.40	114,983	29.482	264.55	49,445	13.081	283.41	20,883	5.918	289.37	15,919	4.606	-	-	-	289.37	15,919	4.606
PBXW-12 BULK EXPLOSIVE <sup>(†)</sup>	90.81	11,742	1.066	79.58	4,506	0.359	126.18	2,433	0.307	113.84	1,854	0.211	-	-	-	113.84	1,854	0.211
EXPLOSIVE FILL IMX-104 <sup>(†)</sup>	22.76	355,466	8.090	27.91	107,043	2.988	26.13	57,784	1.510	28.95	44,049	1.275	-	-	-	28.95	44,049	1.275
<i>Subtotal: Recurring Cost</i>	-	-	103.341	-	-	48.627	-	-	23.158	-	-	25.353	-	-	-	-	-	25.353
<i>Subtotal: Hardware Cost</i>	-	-	103.341	-	-	48.627	-	-	23.158	-	-	25.353	-	-	-	-	-	25.353
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	1.017	-	-	0.638	-	-	0.208	-	-	0.165	-	-	-	-	-	0.165
First Article Test	-	-	-	-	-	0.347	-	-	-	-	-	1.195	-	-	-	-	-	1.195

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.017	-	-	0.985	-	-	0.208	-	-	1.360	-	-	-	-	-	1.360
Support - Non-Recurring Support Cost																		
Facilitation	-	-	-	-	-	0.643	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	0.643	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Safety	-	-	1.336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	1.336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	286.643	-	-	3.629	-	-	2.840	-	-	3.411	-	-	-	-	-	3.411
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	286.643	-	-	3.629	-	-	2.840	-	-	3.411	-	-	-	-	-	3.411
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	-	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	-	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	392.336	-	-	53.910	-	-	26.206	-	-	30.126	-	-	-	-	-	30.126

**Remarks:**

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33			P-1 Line Item Number / Title: 3584E76000 / 81MM Mortar, All Types					Item Number / Title [DODIC]: E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2026	20,929	570.13	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	17,991	909.00	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	20,275	548.70	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	May 2028	15,456	928.08	Y		
SHELL BODY, 81MM HE M821A4		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2024	5,871	171.62	Y		
SHELL BODY, 81MM HE M821A4		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2024	34,217	89.04	Y		
SHELL BODY, 81MM HE M821A4		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	20,883	92.65	Y		
SHELL BODY, 81MM HE M821A4		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2025	Oct 2026	15,919	187.38	Y		
FIN MORTAR CTG M24 F/81MM		2023	PRECISION IMPACTS LLC / MIAMISBURG, OH	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2024	34,217	15.55	Y		
FIN MORTAR CTG M24 F/81MM		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	5,871	26.30	Y		
FIN MORTAR CTG M24 F/81MM		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	20,883	20.65	Y		
FIN MORTAR CTG M24 F/81MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	15,919	26.85	Y		
IGN CTG M299		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	5,871	17.56	Y		
IGN CTG M299		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	34,217	16.78	Y		
IGN CTG M299		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	20,883	18.53	Y		
IGN CTG M299		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2025	Oct 2026	15,919	18.64	Y		
PROPELLANT CHARGE, M658		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	23,484	18.60	Y		
PROPELLANT CHARGE, M658		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	136,866	16.26	Y		
PROPELLANT CHARGE, M658		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	83,533	18.49	Y		



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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PROPELLANT CHARGE, M658		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2025	Oct 2026	63,678	18.99	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Jun 2025	43,574	270.35	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS INC. / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	5,871	270.35	Y		
FUZE MOFM, M734A1		2024	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2026	20,883	283.41	Y		
FUZE MOFM, M734A1		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	15,919	289.37	Y		
PBXW-12 BULK EXPLOSIVE		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Apr 2024	3,986	75.42	Y		
PBXW-12 BULK EXPLOSIVE		2023	BAE SYSTEMS ORDNANCE SYSTEMS INC. / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	520	111.50	Y		
PBXW-12 BULK EXPLOSIVE		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	2,433	126.18	Y		
PBXW-12 BULK EXPLOSIVE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,854	113.84	Y		
EXPLOSIVE FILL IMX-104		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	94,677	27.86	Y		
EXPLOSIVE FILL IMX-104		2023	BAE SYSTEMS ORDNANCE SYSTEMS INC. / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	12,366	28.33	Y		
EXPLOSIVE FILL IMX-104		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2026	57,784	26.13	Y		
EXPLOSIVE FILL IMX-104		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	44,049	28.95	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024																											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	
LOAD, ASSEMBLE, PACK (LAP)																																															
Prior Years Deliveries: 111635																																															
	1	2023	ARMY	20.929	.000	20.929																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.929
	2	2023	ARMY	17.991	.000	17.991																																								17.991	
	2	2023	MC (†)	.995	.000	.995																																								.995	
	<b>2</b>	<b>2023</b>	<b>Total</b>	<b>18.986</b>	<b>.000</b>	<b>18.986</b>																																								<b>18.986</b>	
	2	2024	ARMY	20.275	.000	20.275																																								20.275	
	2	2024	MC (†)	.784	.000	.784																																								.784	
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>21.059</b>	<b>.000</b>	<b>21.059</b>																																								<b>21.059</b>	
	2	2025	ARMY	15.456	.000	15.456																																								15.456	
	2	2025	MC (†)	.555	.000	.555																																								.555	
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>16.011</b>	<b>.000</b>	<b>16.011</b>																																								<b>16.011</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 111635																																			
	1	2023	ARMY	20.929	.000	20.929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.000	8.929			
	2	2023	ARMY	17.991	.000	17.991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.991			
	2	2023	MC (+)	.995	.000	.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.995	-	-	-	-	.000			
	<b>2</b>	<b>2023</b>	<b>Total</b>	<b>18.986</b>	<b>.000</b>	<b>18.986</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.995</b>	-	-	-	-	<b>17.991</b>			
	2	2024	ARMY	20.275	.000	20.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.275				
	2	2024	MC (+)	.784	.000	.784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.784				
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>21.059</b>	<b>.000</b>	<b>21.059</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>21.059</b>				
	2	2025	ARMY	15.456	.000	15.456								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.456				
	2	2025	MC (+)	.555	.000	.555								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.555				
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>16.011</b>	<b>.000</b>	<b>16.011</b>								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>16.011</b>				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027														Fiscal Year 2028														BALANCE		
O C C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 111635																																			
1	2023	ARMY	20.929	12.000	8.929	8.929																											.000		
2	2023	ARMY	17.991	.000	17.991	-	-	-	-	-	-	-	-	11.700	6.291																		.000		
2	2023	MC (+)	.995	.995	.000	-	-	-	-	-	-	-	-	-	-																	.000			
<b>2</b>	<b>2023</b>	<b>Total</b>	<b>18.986</b>	<b>.995</b>	<b>17.991</b>	-	-	-	-	-	-	-	-	<b>11.700</b>	<b>6.291</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>			
2	2024	ARMY	20.275	.000	20.275	-	-	-	-	-	-	-	-	11.216	9.059																		.000		
2	2024	MC (+)	.784	.000	.784	-	-	-	-	-	-	-	-	.784	-																	.000			
<b>2</b>	<b>2024</b>	<b>Total</b>	<b>21.059</b>	<b>.000</b>	<b>21.059</b>	-	-	-	-	-	-	-	-	<b>12.000</b>	<b>9.059</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>			
2	2025	ARMY	15.456	.000	15.456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.000	3.456		.000		
2	2025	MC (+)	.555	.000	.555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.555	-		.000		
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>16.011</b>	<b>.000</b>	<b>16.011</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>12.555</b>	<b>3.456</b>	-	-	<b>.000</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E18403 / CTG, 81mm Mortar HE, M821 Series w/MOFM [CA66]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GEN DYNAMICS ORD & TAC SYS - - LE GARDEUR, CANADA	4,000	12,000	36,000	8	8	36	44	8	8	36	44
2	TO BE SELECTED - TBS01	4,000	12,000	30,000	8	8	36	44	8	8	36	44

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E69600 / CTG, 81mm FRTR, M879 Series w/Practice Fuze [C875]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				227.161	9.215	14.356	12.762	-	12.762
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				227.161	9.215	14.356	12.762	-	12.762
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>227.161</b>	<b>9.215</b>	<b>14.356</b>	<b>12.762</b>	<b>-</b>	<b>12.762</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	42.05	350,979	14.760	72.23	32,999	2.383	48.35	53,660	2.594	128.68	32,909	4.235	-	-	-	128.68	32,909	4.235
FUZE PRACTICE, M751 <sup>(†)</sup>	20.49	361,509	7.406	22.79	33,989	0.775	23.24	55,065	1.280	25.12	33,896	0.851	-	-	-	25.12	33,896	0.851
SHELL BODY, 81MM FRPC <sup>(†)</sup>	44.40	361,509	16.051	46.40	33,989	1.577	47.96	55,065	2.641	61.02	33,896	2.068	-	-	-	61.02	33,896	2.068
IGN CTG M299 <sup>(†)</sup>	15.33	361,509	5.543	16.78	33,989	0.570	18.53	55,065	1.020	18.64	33,896	0.632	-	-	-	18.64	33,896	0.632
CHG PROP 81MM M220 <sup>(†)</sup>	12.74	1,446,034	18.420	18.38	135,955	2.499	16.83	220,261	3.707	19.52	135,585	2.647	-	-	-	19.52	135,585	2.647
FIN MORTAR CTG M24 F/81MM <sup>(†)</sup>	15.45	361,509	5.586	15.55	33,989	0.529	20.65	55,065	1.137	26.85	33,896	0.910	-	-	-	26.85	33,896	0.910
<i>Subtotal: Recurring Cost</i>	-	-	<b>67.767</b>	-	-	<b>8.333</b>	-	-	<b>12.380</b>	-	-	<b>11.343</b>	-	-	-	-	-	<b>11.343</b>
<i>Subtotal: Hardware Cost</i>	-	-	<b>67.767</b>	-	-	<b>8.333</b>	-	-	<b>12.380</b>	-	-	<b>11.343</b>	-	-	-	-	-	<b>11.343</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	2.467	-	-	0.364	-	-	0.367	-	-	0.228	-	-	-	-	-	0.228
First Article Test	-	-	-	-	-	0.026	-	-	-	-	-	0.076	-	-	-	-	-	0.076
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>2.467</b>	-	-	<b>0.390</b>	-	-	<b>0.367</b>	-	-	<b>0.304</b>	-	-	-	-	-	<b>0.304</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	156.928	-	-	0.492	-	-	1.610	-	-	1.114	-	-	-	-	-	1.114

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E69600 / CTG, 81mm FRTR, M879 Series w/Practice Fuze [C875]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	156.928	-	-	0.492	-	-	1.610	-	-	1.114	-	-	-	-	-	1.114
<b>Gross/Weapon System Cost</b>	-	-	227.161	-	-	9.215	-	-	14.356	-	-	12.762	-	-	-	-	-	12.762

**Remarks:**

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33			P-1 Line Item Number / Title: 3584E76000 / 81MM Mortar, All Types					Item Number / Title [DODIC]: E69600 / CTG, 81mm FRTR, M879 Series w/Practice Fuze [C875]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2024	May 2026	20	120.50	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2025	32,979	72.20	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2024	May 2026	53,660	48.35	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2025	May 2027	32,909	128.68	Y		
FUZE PRACTICE, M751		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	21	24.63	Y		
FUZE PRACTICE, M751		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2024	33,968	22.79	Y		
FUZE PRACTICE, M751		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	55,065	23.24	Y		
FUZE PRACTICE, M751		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	33,896	25.12	Y		
SHELL BODY, 81MM FRPC		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	21	55.25	Y		
SHELL BODY, 81MM FRPC		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Dec 2022	Jun 2024	33,968	46.39	Y		
SHELL BODY, 81MM FRPC		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	55,065	47.96	Y		
SHELL BODY, 81MM FRPC		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2025	Oct 2026	33,896	61.02	Y		
IGN CTG M299		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	21	18.54	Y		
IGN CTG M299		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	33,968	16.78	Y		
IGN CTG M299		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	55,065	18.53	Y		
IGN CTG M299		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2025	Oct 2026	33,896	18.64	Y		
CHG PROP 81MM M220		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	82	19.14	Y		
CHG PROP 81MM M220		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	135,873	18.38	N		
CHG PROP 81MM M220		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	220,261	16.83	Y		



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E69600 / CTG, 81mm FRTR, M879 Series w/Practice Fuze [C875]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CHG PROP 81MM M220		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2025	Oct 2026	135,585	19.52	Y		
FIN MORTAR CTG M24 F/81MM		2023	PRECISION IMPACTS LLC / MIAMISBURG, OH	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Aug 2024	33,968	15.55	Y		
FIN MORTAR CTG M24 F/81MM		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	21	15.55	Y		
FIN MORTAR CTG M24 F/81MM		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ.	Mar 2024	Sep 2025	55,065	20.65	Y		
FIN MORTAR CTG M24 F/81MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	33,896	26.85	Y		

**Remarks:**  
 FRPC Shell Bodes: IDIQ awarded (FY 2018) to General Dynamics, OTS, Wilkes Barre, PA. Ignition Cartridges: IDIQ awarded (FY 2018) to Nammo Pocal Industries, S cranton, PA. M220 Propellant Charges: IDIQ awarded (FY 2018) to multiple contractors. Requirements will be competed among the following contractors: American Ordnance, Middletown, IA; and General Dynamics, Marion, IL. Fins: IDIQ awarded (FY 2017) to multiple contractors. Requirements will be competed among the following contractors: Gayston Corp., Springboro, OH and Flexible Concepts, Elkhart, IN.

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types			<b>Item Number / Title [DODIC]:</b> E76100 / CTG, 81mm Mortar VL ILLUM, M853 Series w/MTSQ Fuze [C871]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>		
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			106.340	-	-	8.394	-	8.394
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			106.340	-	-	8.394	-	8.394
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>106.340</b>	-	-	<b>8.394</b>	-	<b>8.394</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	284.73	93,296	26.564	-	-	-	-	-	-	336.52	5,524	1.859	-	-	-	336.52	5,524	1.859
FUZE MTSQ, M772 <sup>(†)</sup>	281.12	96,095	27.015	-	-	-	-	-	-	327.12	5,689	1.861	-	-	-	327.12	5,689	1.861
BODY TUBE, 81MM ILLUM <sup>(†)</sup>	42.76	96,095	4.109	-	-	-	-	-	-	56.80	5,689	0.323	-	-	-	56.80	5,689	0.323
TAIL CONE, 81MM ILLUM <sup>(†)</sup>	20.89	96,095	2.008	-	-	-	-	-	-	34.13	5,689	0.194	-	-	-	34.13	5,689	0.194
IGN CTG M752 <sup>(†)</sup>	25.17	96,095	2.418	-	-	-	-	-	-	24.81	5,689	0.141	-	-	-	24.81	5,689	0.141
CHG PROP 81MM M219 <sup>(†)</sup>	13.33	384,380	5.122	-	-	-	-	-	-	19.52	22,758	0.444	-	-	-	19.52	22,758	0.444
FIN MORTAR CTG M28 F/81MM M819 RP <sup>(†)</sup>	17.58	96,095	1.689	-	-	-	-	-	-	24.92	5,689	0.142	-	-	-	24.92	5,689	0.142
ILLUM CANDLE VL F/81MM M853A1 <sup>(†)</sup>	235.43	96,095	22.623	-	-	-	-	-	-	311.04	5,689	1.770	-	-	-	311.04	5,689	1.770
PARACHUTE, 81MM <sup>(†)</sup>	30.09	96,085	2.891	-	-	-	-	-	-	48.11	5,689	0.274	-	-	-	48.11	5,689	0.274
FIBER CONTAINER PA 162, 81MM <sup>(†)</sup>	6.20	96,095	0.596	-	-	-	-	-	-	12.13	5,689	0.069	-	-	-	12.13	5,689	0.069

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
METAL CONTAINER PA 157, 81MM <sup>(†)</sup>	65.03	32,564	2.118	-	-	-	-	-	-	72.48	1,878	0.136	-	-	-	72.48	1,878	0.136
<i>Subtotal: Recurring Cost</i>	-	-	97.154	-	-	-	-	-	-	-	-	7.213	-	-	-	-	-	7.213
<i>Subtotal: Hardware Cost</i>	-	-	97.154	-	-	-	-	-	-	-	-	7.213	-	-	-	-	-	7.213
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	1.242	-	-	-	-	-	-	-	-	0.165	-	-	-	-	-	0.165
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.538	-	-	-	-	-	-	-	-	0.165	-	-	-	-	-	0.165
Support - Production Engineering Cost																		
Production Engineering	-	-	7.649	-	-	-	-	-	-	-	-	1.015	-	-	-	-	-	1.015
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	7.649	-	-	-	-	-	-	-	-	1.015	-	-	-	-	-	1.015
<b>Gross/Weapon System Cost</b>	-	-	106.340	-	-	-	-	-	-	-	-	8.394	-	-	-	-	-	8.394

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E76100 / CTG, 81mm Mortar VL ILLUM, M853 Series w/MTSQ Fuze [C871]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2025	Jun 2027	5,524	336.52	Y		
FUZE MTSQ, M772		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2025	Oct 2026	5,689	327.12	Y		
BODY TUBE, 81MM ILLUM		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	5,689	56.80	Y		
TAIL CONE, 81MM ILLUM		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	5,689	34.13	Y		
IGN CTG M752		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	5,689	24.81	Y		
CHG PROP 81MM M219		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	22,758	19.52	Y		
FIN MORTAR CTG M28 F/81MM M819 RP		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	5,689	24.92	Y		
ILLUM CANDLE VL F/81MM M853A1		2025	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2025	Oct 2026	5,689	311.04	Y		
PARACHUTE, 81MM		2025	YOLAND CORPORATION / BROOKLYN, NY	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2025	Oct 2026	5,689	48.11	Y		
FIBER CONTAINER PA 162, 81MM		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	5,689	12.13	Y		
METAL CONTAINER PA 157, 81MM		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	1,878	72.48	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E90000 / CTG, 81mm Mortar IR ILLUM, M816 Series w/MTSQ Fuze

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	57.810	3.656	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	57.810	3.656	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>57.810</b>	<b>3.656</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP)	268.86	55,841	15.013	317.14	3,040	0.964	-	-	-	-	-	-	-	-	-	-	-	-
BODY TUBE, 81MM ILLUM	42.32	57,516	2.434	56.81	3,131	0.178	-	-	-	-	-	-	-	-	-	-	-	-
TAIL CONE, 81MM ILLUM	20.67	57,516	1.189	33.14	3,131	0.104	-	-	-	-	-	-	-	-	-	-	-	-
FIN MORTAR CTG M28 F/81MM M819 RP	17.36	57,516	0.998	22.14	3,131	0.069	-	-	-	-	-	-	-	-	-	-	-	-
CHG PROP 81MM M219	13.94	230,065	3.207	18.38	12,525	0.230	-	-	-	-	-	-	-	-	-	-	-	-
IGN CTG M752	21.43	57,516	1.233	42.40	3,131	0.133	-	-	-	-	-	-	-	-	-	-	-	-
FUZE MTSQ, M772	220.06	57,516	12.657	250.13	3,131	0.783	-	-	-	-	-	-	-	-	-	-	-	-
IR ILLUM CANNISTER, 81MM	199.99	57,516	11.503	243.27	3,131	0.762	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE, 81MM	60.74	57,516	3.494	46.85	3,131	0.147	-	-	-	-	-	-	-	-	-	-	-	-
METAL CONTAINER PA 157, 81MM	56.42	19,544	1.103	62.66	1,064	0.067	-	-	-	-	-	-	-	-	-	-	-	-
FIBER CONTAINER PA 162, 81MM	6.17	57,516	0.355	11.33	3,131	0.035	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	53.185	-	-	3.472	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	53.185	-	-	3.472	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 3584E76000 / 81MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E90000 / CTG, 81mm Mortar IR ILLUM, M816 Series w/MTSQ Fuze
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.577	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.577</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	4.047	-	-	0.184	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>4.047</b>	-	-	<b>0.184</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>57.810</b>	-	-	<b>3.656</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,469.837	143.969	106.784	109.370	-	109.370	168.653	140.653	139.648	139.844	-	3,418.758
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,469.837	143.969	106.784	109.370	-	109.370	168.653	140.653	139.648	139.844	-	3,418.758
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,469.837</b>	<b>143.969</b>	<b>106.784</b>	<b>109.370</b>	<b>-</b>	<b>109.370</b>	<b>168.653</b>	<b>140.653</b>	<b>139.648</b>	<b>139.844</b>	<b>-</b>	<b>3,418.758</b>

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

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

**Description:**

This budget line item includes 120MM Mortars, All Types.  
The 120mm Mortar Cartridges are designed for use with the M120, 120mm Towed Mortar System and the M121 Carrier Mortar System as well as use with the Brigade Combat Team Mortar System.

**(E25502) CTG, MORTAR, 120MM HE M933 SERIES W/PD FUZE**

The M933A1 120mm High Explosive (HE) cartridge with the M783 Point Detonating/ Delay (PD/DLY) Fuze is used against personnel, bunker and light materiel targets. It consists of a Steel Shell Body with Composition B fill, and aluminum M31 Fin Assembly. The propulsion system utilizes the M1020 Ignition Cartridge and four horseshoe-shaped, water-resistant M234 Propelling Charges. The M933A1 HE (range 200 meter minimum to 7,200 meter maximum) is used with the new M783 dual safety, point detonating/delay fuze. This round is used primarily in training because it is significantly less expensive than the M934A1, the preferred war fighting round. However, the M933A1 is lethal and can be used in combat.

This item is Code A, approved for service use.

**(E25503) CTG, MORTAR, 120MM VL ILLUM M930 SERIES W/ MTSQ FUZE**

The M930 cartridge is a fin stabilized mortar cartridge that consists of a M776 Mechanical Time Super Quick (MTSQ) fuze, a steel 2-piece shell body that contains the parachute and canister, and a fin assembly. The payload is base ejected and upon ignition produces Visible Light (VL) illumination. This VL illumination allows for monitoring of enemy activities and adjustment of fire at greater observation instances during night operations. It also provides a means for day/night signaling. The M930 VL (range 400 meter minimum to 6,900 meter maximum) illuminates to the full range of the M934A1 high explosive round, which allows adjustment of fire at any distance out to the maximum range, and provides a significant increase in illumination intensity and effectiveness over the 4.2-inch cartridge that it replaces.

This item is Code A, approved for service use.

**(E25507) CTG, MORTAR, 120MM FRTR M931 SERIES W/PRACT FUZE**

The M931 is a low-cost, full range, training round (FRTR) that will replace a percentage of the standard HE cartridges used in 120mm mortar training. The M931 Full Range Practice Round (FRPR) (range 200 meter minimum to 7,200 meter maximum) has been designed to provide the user with realistic training for 120mm Mortar crews at a fraction of the cost. It is identical in shape, size and weight to the M933A1/ M934A1 HE cartridges. The M931 is equipped with M781 PD Practice Fuze. The M781 PD Practice Fuze produces a flash, bang, and smoke signature that provides audio/visual feedback to the mortar crew and forward observer.

This item is Code A, approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E91300) CTG, MORTAR, 120MM WP SMOKE M929 SERIES W/MOFM The M929 White Phosphorous (WP) Smoke Cartridge is used to provide smoke, with some incendiary effect for various screening missions. The cartridge is filled with five pounds of WP. The M929 uses the highly reliable and robust electronic countermeasure resistant M734A1 multi-option fuze when functions, detonates the burster, which disperses the felt pads which are soaked with WP over the target. The smoke obscuration is generated by a spontaneous reaction between the WP and oxygen. The M929 (range 200 meter minimum and 7,200 maximum) is range-matched to the 120mm HE and Illumination cartridges. This item is Code A, approved for service use.</p> <p>(E91400) CTG, MORTAR, 120MM HE M934 SERIES W/MOFM FUZE The M934A1 120mm HE cartridge with the M734A1 multi-option fuze is used against personnel, bunker and light materiel targets. It consists of a Steel Shell Body with Composition B fill, and aluminum M31 Fin Assembly. The propulsion system utilizes the M1020 Ignition Cartridge and four horseshoe-shaped, water-resistant M234 Propelling Charges. The M934A1 HE (range 200 meter minimum to 7,200 meter maximum) uses the highly reliable and countermeasure resistant M734A1 multi-option fuze. The proximity setting will burst the cartridge at a height over the target that is optimized for lethality. This item is Code A, approved for service use.</p> <p>(E91500) CTG, MORTAR, 120MM IR ILLUM M983 SERIES W/ MTSQ FUZE The M983 120mm Infra-Red (IR) Illumination cartridge is ballistically similar to the M930 Visible Light Illumination cartridge except for the chemical composition of the illuminating material and provides a field of view equal or greater to that of the M930 VL cartridge. The M983 cartridge is a fin stabilized, mortar cartridge that consists of the M776 Mechanical Time Super Quick (MTSQ) fuze, a steel 2 piece shell body, and a fin assembly. The payload is base ejected. The advantage is that there is minimal visible light. This reduces the possibility of exposing forward friendly troop positions while also allowing covert adjustment of fire at greater observation distances through the use of passive Night Vision Devices (NVDs). The M983 IR (range 375 meters minimum to 6,675 meters maximum) illuminates to the full range of the M934A1 HE cartridge. The item is Code A, approved for service use.</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition

**P-1 Line Item Number / Title:**  
6780E25500 / 120MM Mortar, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E25502 / CTG, 120mm Mortar HE, M933 Series w/PD Fuze [CA44]	P-5a	A		- / 523.898	- / 23.667	- / 1.108	- / 1.436	- / -	- / 1.436
P-5	E25503 / CTG, 120mm Mortar VL ILLM, M930 Series w/MTSQ Fuze [C625]	P-5a	A		- / 454.739	- / 16.712	- / 18.533	- / 20.292	- / -	- / 20.292
P-5	E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]	P-5a, P-21	A		- / 748.037	- / 33.577	- / 50.883	- / 44.739	- / -	- / 44.739
P-5	E91300 / CTG, 120mm Mortar WP Smoke, M929 Series w/MOFM [CA03]	P-5a	A		- / 323.220	- / 19.879	- / 16.126	- / 16.448	- / -	- / 16.448
P-5	E91400 / CTG, 120mm Mortar HE, M934 Series w/MOFM [CA04]	P-5a	A		- / 200.667	- / 24.301	- / 20.134	- / 25.492	- / -	- / 25.492
P-5	E91500 / CTG, 120mm Mortar IR ILLUM, M983 Series w/MTSQ [CA07]	P-5a	A		- / 219.276	- / 25.833	- / -	- / 0.963	- / -	- / 0.963
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,469.837</b>	<b>- / 143.969</b>	<b>- / 106.784</b>	<b>- / 109.370</b>	<b>- / -</b>	<b>- / 109.370</b>

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

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

**Justification:**

The FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life cycle.

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.

FY 2025 Total Base dollars in the amount of \$109.370 million supports the procurement of 113,822 cartridges.

The FY 2023 actuals for base include \$26.868 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E25502) CTG, MORTAR, 120MM HE M933 SERIES W/PD FUZE

This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$1.436 million supports production of 1,058 cartridges.

TYPE CLASSIFICATION DATE: 2009

(E25503) CTG, MORTAR, 120MM VL ILLUM M930 SERIES W/MTSQ FUZE

This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$20.292 million supports production of 10,551 cartridges.

TYPE CLASSIFICATION DATE: 2003

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 33: Mortar Ammunition		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E25507) CTG, MORTAR, 120MM FRTR M931 SERIES W/PRACT FUZE This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$44.739 million supports the procurement of 70,369 cartridges. TYPE CLASSIFICATION DATE: 1996</p> <p>(E91300) CTG, MORTAR, 120MM WP SMOKE M929 SERIES W/MOFM FUZE This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$16.448 million supports the procurement of 9,521 cartridges. TYPE CLASSIFICATION DATE: 1996</p> <p>(E91400) CTG, MORTAR, 120MM HE M934 SERIES W/MOFM FUZE This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$25.492 million supports production of 21,883 cartridges. TYPE CLASSIFICATION DATE: 2009</p> <p>(E91500) CTG, MORTAR, 120MM IR ILLUM M983 SERIES W/MTSQ FUZE This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$0.963 million supports the procurement of 440 cartridges. TYPE CLASSIFICATION DATE: 2000</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25502 / CTG, 120mm Mortar HE, M933 Series w/PD Fuze [CA44]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			523.898	23.667	1.108	1.436	-	1.436
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			523.898	23.667	1.108	1.436	-	1.436
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>523.898</b>	<b>23.667</b>	<b>1.108</b>	<b>1.436</b>	<b>-</b>	<b>1.436</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	293.03	107,155	31.400	185.20	24,613	4.558	-	-	-	188.85	1,058	0.200	-	-	-	188.85	1,058	0.200
FIN ASSEMBLY, M31 <sup>(†)</sup>	89.01	110,370	9.824	41.66	25,351	1.056	-	-	-	42.59	1,089	0.046	-	-	-	42.59	1,089	0.046
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	23.33	232,069	5.413	25.26	25,351	0.640	-	-	-	27.31	1,089	0.030	-	-	-	27.31	1,089	0.030
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	41.79	441,479	18.451	22.09	101,406	2.240	-	-	-	30.75	4,358	0.134	-	-	-	30.75	4,358	0.134
SHELL BODY, 120MM HE <sup>(†)</sup>	238.22	110,370	26.292	143.81	25,351	3.646	-	-	-	153.75	1,089	0.167	-	-	-	153.75	1,089	0.167
FUZE POINT DETONATOR M783 <sup>(†)</sup>	447.85	81,806	36.637	218.49	25,351	5.539	-	-	-	220.97	1,089	0.241	-	-	-	220.97	1,089	0.241
COMP B TYPE I GRADE A <sup>(†)</sup>	11.87	739,503	8.778	13.46	221,517	2.982	-	-	-	13.50	9,522	0.129	-	-	-	13.50	9,522	0.129
PBXW-12 BULK EXPLOSIVE <sup>(†)</sup>	91.82	5,609	0.515	80.85	2,707	0.219	-	-	-	113.84	116	0.013	-	-	-	113.84	116	0.013
<i>Subtotal: Recurring Cost</i>	-	-	<i>137.310</i>	-	-	<i>20.880</i>	-	-	-	-	-	<i>0.960</i>	-	-	-	-	-	<i>0.960</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>137.310</i>	-	-	<i>20.880</i>	-	-	-	-	-	<i>0.960</i>	-	-	-	-	-	<i>0.960</i>
<b>Support - Acceptance Testing Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Item Number / Title [DODIC]:</b> E25502 / CTG, 120mm Mortar HE, M933 Series w/PD Fuze [CA44]		

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Acceptance Test	-	-	1.372	-	-	-	-	-	-	-	-	0.120	-	-	-	-	-	0.120
First Article Test	-	-	-	-	-	0.016	-	-	-	-	-	0.146	-	-	-	-	-	0.146
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>1.372</b>	-	-	<b>0.016</b>	-	-	-	-	-	<b>0.266</b>	-	-	-	-	-	<b>0.266</b>
Support - Product Improvement Cost																		
Reliability	-	-	1.601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>1.601</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	383.615	-	-	2.771	-	-	1.108	-	-	0.210	-	-	-	-	-	0.210
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>383.615</b>	-	-	<b>2.771</b>	-	-	<b>1.108</b>	-	-	<b>0.210</b>	-	-	-	-	-	<b>0.210</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>523.898</b>	-	-	<b>23.667</b>	-	-	<b>1.108</b>	-	-	<b>1.436</b>	-	-	-	-	-	<b>1.436</b>

**Remarks:**  
Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date: March 2024</b>				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E25502 / CTG, 120mm Mortar HE, M933 Series w/PD Fuze [CA44]				

Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	24,613	185.20	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	May 2028	1,058	188.85	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2023	25,351	41.66	Y		
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	1,089	42.59	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2023	25,351	25.26	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	1,089	27.31	Y		
PROPELLANT CHARGE, M234A1		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	101,406	22.09	Y		
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	4,358	30.75	Y		
SHELL BODY, 120MM HE		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	25,351	143.81	Y		
SHELL BODY, 120MM HE		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	1,089	153.75	Y		
FUZE POINT DETONATOR M783		2023	ACTION MANUFACTURING COMPANY / BRISTOL, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	507	218.49	Y		
FUZE POINT DETONATOR M783		2023	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	24,844	218.49	Y		
FUZE POINT DETONATOR M783		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2027	1,089	220.97	Y		
COMP B TYPE I GRADE A		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	221,517	13.46	Y		
COMP B TYPE I GRADE A		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	9,522	13.50	Y		
PBXW-12 BULK EXPLOSIVE		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Apr 2024	2,707	80.85	Y		
PBXW-12 BULK EXPLOSIVE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	116	113.84	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E25503 / CTG, 120mm Mortar VL ILLM, M930 Series w/MTSQ Fuze [C625]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		454.739	16.712	18.533	20.292	-	20.292
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		454.739	16.712	18.533	20.292	-	20.292
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>454.739</b>	<b>16.712</b>	<b>18.533</b>	<b>20.292</b>	<b>-</b>	<b>20.292</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	402.21	158,677	63.821	455.47	8,627	3.929	495.52	10,523	5.214	430.35	10,551	4.541	-	-	-	430.35	10,551	4.541
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	24.97	59,957	1.497	26.62	8,886	0.237	25.76	10,838	0.279	27.31	10,867	0.297	-	-	-	27.31	10,867	0.297
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	21.74	183,522	3.990	29.81	35,543	1.060	26.01	43,354	1.128	30.76	43,470	1.337	-	-	-	30.76	43,470	1.337
VL ILLUM CANNISTER, 120MM <sup>(†)</sup>	297.65	163,437	48.646	337.60	8,886	3.000	364.00	10,838	3.945	407.76	10,867	4.431	-	-	-	407.76	10,867	4.431
FIN ASSEMBLY, M31 <sup>(†)</sup>	40.88	163,437	6.681	42.54	8,886	0.378	42.50	10,838	0.461	42.59	10,867	0.463	-	-	-	42.59	10,867	0.463
METAL CONTAINER PA 154, 120MM <sup>(†)</sup>	72.83	160,122	11.661	77.75	4,486	0.349	72.62	5,471	0.397	85.52	5,486	0.469	-	-	-	85.52	5,486	0.469
PARACHUTE, 120MM <sup>(†)</sup>	53.57	163,437	8.756	84.49	8,886	0.751	60.38	10,838	0.654	81.16	10,867	0.882	-	-	-	81.16	10,867	0.882
FIBER CONTAINER PA 167, 120MM <sup>(†)</sup>	13.63	163,437	2.227	24.08	8,886	0.214	14.45	10,838	0.157	26.51	10,867	0.288	-	-	-	26.51	10,867	0.288
120MM ILLUM BODY <sup>(†)</sup>	158.33	163,437	25.876	345.01	8,886	3.066	164.59	10,838	1.784	179.91	10,867	1.955	-	-	-	179.91	10,867	1.955

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25503 / CTG, 120mm Mortar VL ILLM, M930 Series w/MTSQ Fuze [C625]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
FUZE MTSQ, M776 <sup>(†)</sup>	254.61	633,662	161.338	349.00	8,886	3.101	228.96	10,838	2.481	283.87	10,867	3.085	-	-	-	283.87	10,867	3.085
<i>Subtotal: Recurring Cost</i>	-	-	334.494	-	-	16.084	-	-	16.500	-	-	17.748	-	-	-	-	-	17.748
<i>Subtotal: Hardware Cost</i>	-	-	334.494	-	-	16.084	-	-	16.500	-	-	17.748	-	-	-	-	-	17.748
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	96.455	-	-	-	-	-	0.090	-	-	0.090	-	-	-	-	-	0.090
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	96.527	-	-	-	-	-	0.090	-	-	0.090	-	-	-	-	-	0.090
Support - Production Engineering Cost																		
Production Engineering	-	-	23.719	-	-	0.628	-	-	1.941	-	-	2.453	-	-	-	-	-	2.453
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	23.719	-	-	0.628	-	-	1.941	-	-	2.453	-	-	-	-	-	2.453
<b>Gross/Weapon System Cost</b>	-	-	454.739	-	-	16.712	-	-	18.533	-	-	20.292	-	-	-	-	-	20.292

**Remarks:**

Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33			P-1 Line Item Number / Title: 6780E25500 / 120MM Mortar, All Types					Item Number / Title [DODIC]: E25503 / CTG, 120mm Mortar VL ILLM, M930 Series w/MTSQ Fuze [C625]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Apr 2023	Oct 2025	8,627	455.47	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2026	10,523	495.52	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2027	10,551	430.35	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	8,886	26.62	Y		
IGNITION CARTRIDGE, M1020		2024	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,838	25.76	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	10,867	27.31	Y		
PROPELLANT CHARGE, M234A1		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2023	Oct 2024	35,543	29.81	Y		
PROPELLANT CHARGE, M234A1		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	43,354	26.01	Y		
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	43,470	30.76	Y		
VL ILLUM CANNISTER, 120MM		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	May 2023	Jan 2025	8,886	337.60	Y		
VL ILLUM CANNISTER, 120MM		2024	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2024	Oct 2025	10,838	364.00	Y		
VL ILLUM CANNISTER, 120MM		2025	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2025	Oct 2026	10,867	407.76	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	8,886	42.54	Y		
FIN ASSEMBLY, M31		2024	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,838	42.50	Y		
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	10,867	42.59	Y		
METAL CONTAINER PA 154, 120MM		2023	BWAY CORPORATION / ATLANTA, GA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	4,486	77.75	Y		
METAL CONTAINER PA 154, 120MM		2024	BWAY CORPORATION / ATLANTA, GA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	5,471	72.62	Y		
METAL CONTAINER PA 154, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	5,486	85.52	Y		
PARACHUTE, 120MM		2023	YOLAND CORPORATION / BROOKLYN, NY	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	8,886	84.49	Y		



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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25503 / CTG, 120mm Mortar VL ILLM, M930 Series w/MTSQ Fuze [C625]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PARACHUTE, 120MM		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,838	60.38	Y		
PARACHUTE, 120MM		2025	YOLAND CORPORATION / BROOKLYN, NY	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	10,867	81.16	Y		
FIBER CONTAINER PA 167, 120MM		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	8,886	24.08	Y		
FIBER CONTAINER PA 167, 120MM		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,838	14.45	Y		
FIBER CONTAINER PA 167, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	10,867	26.51	Y		
120MM ILLUM BODY		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	8,886	345.01	Y		
120MM ILLUM BODY		2024	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,838	164.59	Y		
120MM ILLUM BODY		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	10,867	179.91	Y		
FUZE MTSQ, M776		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	8,886	349.00	Y		
FUZE MTSQ, M776		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,838	228.96	Y		
FUZE MTSQ, M776		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	10,867	283.87	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				748.037	33.577	50.883	44.739	-	44.739
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				748.037	33.577	50.883	44.739	-	44.739
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>748.037</b>	<b>33.577</b>	<b>50.883</b>	<b>44.739</b>	<b>-</b>	<b>44.739</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	83.43	702,017	58.568	93.54	73,059	6.834	93.09	106,695	9.932	197.36	70,369	13.888	-	-	-	197.36	70,369	13.888
FIN ASSEMBLY, M31 <sup>(†)</sup>	42.13	723,077	30.461	41.62	75,251	3.132	42.50	109,895	4.671	42.60	72,480	3.088	-	-	-	42.60	72,480	3.088
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	23.28	723,077	16.833	25.26	75,251	1.901	25.76	109,895	2.831	27.32	72,480	1.980	-	-	-	27.32	72,480	1.980
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	34.83	1,700,654	59.236	22.09	301,003	6.649	26.01	439,583	11.434	30.76	289,920	8.918	-	-	-	30.76	289,920	8.918
SHELL BODY, 120MM FRPC <sup>(†)</sup>	195.35	425,163	83.055	139.40	75,251	10.490	139.12	109,895	15.289	143.19	72,480	10.378	-	-	-	143.19	72,480	10.378
FUZE PRACTICE, M781 <sup>(†)</sup>	35.40	425,163	15.052	22.79	75,251	1.715	22.79	109,895	2.505	25.12	72,480	1.821	-	-	-	25.12	72,480	1.821
<i>Subtotal: Recurring Cost</i>	-	-	263.204	-	-	30.721	-	-	46.660	-	-	40.073	-	-	-	-	-	40.073
<i>Subtotal: Hardware Cost</i>	-	-	263.204	-	-	30.721	-	-	46.660	-	-	40.073	-	-	-	-	-	40.073
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	2.990	-	-	0.152	-	-	0.770	-	-	0.490	-	-	-	-	-	0.490
First Article Test	-	-	0.712	-	-	-	-	-	-	-	-	0.198	-	-	-	-	-	0.198
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	3.702	-	-	0.152	-	-	0.770	-	-	0.688	-	-	-	-	-	0.688

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Non-Recurring Support Cost																		
Facilitization	-	-	-	-	-	0.625	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	<b>0.625</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	481.130	-	-	2.079	-	-	3.452	-	-	3.978	-	-	-	-	-	3.978
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>481.130</b>	-	-	<b>2.079</b>	-	-	<b>3.452</b>	-	-	<b>3.978</b>	-	-	-	-	-	<b>3.978</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>748.037</b>	-	-	<b>33.577</b>	-	-	<b>50.883</b>	-	-	<b>44.739</b>	-	-	-	-	-	<b>44.739</b>

**Remarks:**

Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / FFP	PICATINNY ARSENAL, NJ	Feb 2023	May 2026	73,059	93.54	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / FFP	PICATINNY ARSENAL, NJ	May 2024	May 2027	106,695	93.09	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2025	May 2028	70,369	197.36	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2023	75,251	41.62	Y		
FIN ASSEMBLY, M31		2024	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	109,895	42.50	Y		
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	72,480	42.60	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2023	75,251	25.26	Y		
IGNITION CARTRIDGE, M1020		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	109,895	25.76	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	72,480	27.32	Y		
PROPELLANT CHARGE, M234A1		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	301,003	22.09	Y		
PROPELLANT CHARGE, M234A1		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	439,583	26.01	Y		
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	289,920	30.76	Y		
SHELL BODY, 120MM FRPC		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	75,251	139.40	Y		
SHELL BODY, 120MM FRPC		2024	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	109,895	139.12	Y		
SHELL BODY, 120MM FRPC		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	72,480	143.19	Y		
FUZE PRACTICE, M781		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2024	75,251	22.79	Y		
FUZE PRACTICE, M781		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	109,895	22.79	Y		
FUZE PRACTICE, M781		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	72,480	25.12	Y		

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33										<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types										<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E								
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026																					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P													
LOAD, ASSEMBLE, PACK (LAP)																																											
Prior Years Deliveries: 702017																																											
	1	2023	ARMY	73.059	.000	73.059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.000	22.500	15.000	15.000	5.559	.000				
	1	2024	ARMY	106.695	.000	106.695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106.695	
	2	2025	ARMY	70.369	.000	70.369																																					70.369
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P													





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33		<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types
		<b>Item Number / Title [DODIC]:</b> E25507 / CTG, 120mm Mortar FRTR, M931 Series w/Pract Fuze [CA09]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GEN DYNAMICS ORD & TAC SYS - - LE GARDEUR, CANADA	10,000	15,000	30,000	5	5	36	41	5	5	36	41
2	TO BE SELECTED - TBS01	10,000	15,000	30,000	8	8	36	44	8	8	36	44

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>											<b>Date:</b> March 2024							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33						<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types						<b>Item Number / Title [DODIC]:</b> E91300 / CTG, 120mm Mortar WP Smoke, M929 Series w/MOFM [CA03]						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A											<b>MDAP/MAIS Code:</b>							
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>	
Procurement Quantity (Units in Each)				-		-			-			-			-		-	
Gross/Weapon System Cost (\$ in Millions)				323.220		19.879			16.126			16.448			-		16.448	
Less PY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Net Procurement (P-1) (\$ in Millions)				323.220		19.879			16.126			16.448			-		16.448	
Plus CY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
<b>Total Obligation Authority (\$ in Millions)</b>				<b>323.220</b>		<b>19.879</b>			<b>16.126</b>			<b>16.448</b>			<b>-</b>		<b>16.448</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (\$ in Dollars)				-		-			-			-			-		-	

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	384.48	89,391	34.369	398.31	12,850	5.118	449.21	10,095	4.535	442.84	9,521	4.216	-	-	-	442.84	9,521	4.216
FIN ASSEMBLY, M31 <sup>(†)</sup>	41.13	92,072	3.787	41.62	13,236	0.551	42.50	10,397	0.442	42.59	9,806	0.418	-	-	-	42.59	9,806	0.418
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	24.18	92,072	2.226	25.26	13,236	0.334	25.76	10,397	0.268	27.31	9,806	0.268	-	-	-	27.31	9,806	0.268
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	21.29	368,291	7.839	29.58	52,942	1.566	26.01	41,591	1.082	30.75	39,226	1.206	-	-	-	30.75	39,226	1.206
SHELL BODY, 120MM SMK <sup>(†)</sup>	277.63	92,072	25.562	272.79	13,236	3.611	266.78	10,397	2.774	282.15	9,806	2.767	-	-	-	282.15	9,806	2.767
BURSTER HOUSING, 120MM SMOKE <sup>(†)</sup>	81.72	92,072	7.524	84.45	13,236	1.118	86.13	10,397	0.895	105.84	9,806	1.038	-	-	-	105.84	9,806	1.038
FUZE MOFM, M734A1 <sup>(†)</sup>	245.68	92,072	22.621	261.97	13,236	3.467	283.41	10,397	2.947	289.37	9,806	2.838	-	-	-	289.37	9,806	2.838
BURSTER ASSEMBLY, M86 <sup>(†)</sup>	55.14	92,072	5.077	72.98	13,236	0.966	74.43	10,397	0.774	90.23	9,806	0.885	-	-	-	90.23	9,806	0.885
FIBER CONTAINER PA 167, 120MM <sup>(†)</sup>	12.99	92,072	1.196	23.38	13,236	0.309	14.45	10,397	0.150	26.51	9,806	0.260	-	-	-	26.51	9,806	0.260

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E91300 / CTG, 120mm Mortar WP Smoke, M929 Series w/MOFM [CA03]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
METAL CONTAINER PA 154, 120MM <sup>(t)</sup>	64.49	46,484	2.998	72.00	6,682	0.481	72.62	5,249	0.381	85.52	4,950	0.423	-	-	-	85.52	4,950	0.423
<i>Subtotal: Recurring Cost</i>	-	-	113.198	-	-	17.522	-	-	14.247	-	-	14.318	-	-	-	-	-	14.318
<i>Subtotal: Hardware Cost</i>	-	-	113.198	-	-	17.522	-	-	14.247	-	-	14.318	-	-	-	-	-	14.318
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.831	-	-	0.074	-	-	0.140	-	-	0.141	-	-	-	-	-	0.141
First Article Test	-	-	-	-	-	0.108	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.831	-	-	0.182	-	-	0.140	-	-	0.141	-	-	-	-	-	0.141
Support - Non-Recurring Support Cost																		
Facilitization	-	-	-	-	-	0.126	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	0.126	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	209.190	-	-	2.050	-	-	1.738	-	-	1.988	-	-	-	-	-	1.988
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	209.190	-	-	2.050	-	-	1.738	-	-	1.988	-	-	-	-	-	1.988
<b>Gross/Weapon System Cost</b>	-	-	323.220	-	-	19.879	-	-	16.126	-	-	16.448	-	-	-	-	-	16.448

**Remarks:**  
Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:					Item Number / Title [DODIC]:				
2034A / 01 / 33			6780E25500 / 120MM Mortar, All Types					E91300 / CTG, 120mm Mortar WP Smoke, M929 Series w/MOFM [CA03]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2026	12,850	398.31	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2024	Feb 2027	10,095	449.21	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2025	Feb 2028	9,521	442.84	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2024	13,236	41.62	Y		
FIN ASSEMBLY, M31		2024	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,397	42.50	Y		
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	9,806	42.59	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2024	13,236	25.26	Y		
IGNITION CARTRIDGE, M1020		2024	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,397	25.76	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	9,806	27.31	Y		
PROPELLANT CHARGE, M234A1		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	52,942	29.58	Y		
PROPELLANT CHARGE, M234A1		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	41,591	26.01	Y		
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	39,226	30.75	Y		
SHELL BODY, 120MM SMK		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	13,236	272.79	Y		
SHELL BODY, 120MM SMK		2024	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,397	266.78	Y		
SHELL BODY, 120MM SMK		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	9,806	282.15	Y		
BURSTER HOUSING, 120MM SMOKE		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Aug 2024	13,236	84.45	Y		
BURSTER HOUSING, 120MM SMOKE		2024	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,397	86.13	Y		
BURSTER HOUSING, 120MM SMOKE		2025	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	9,806	105.84	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Dec 2024	13,236	261.97	Y		

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<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E91300 / CTG, 120mm Mortar WP Smoke, M929 Series w/MOFM [CA03]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
FUZE MOFM, M734A1		2024	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,397	283.41	Y		
FUZE MOFM, M734A1		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2027	9,806	289.37	Y		
BURSTER ASSEMBLY, M86		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Aug 2024	13,236	72.98	Y		
BURSTER ASSEMBLY, M86		2024	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	10,397	74.43	Y		
BURSTER ASSEMBLY, M86		2025	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	9,806	90.23	Y		
FIBER CONTAINER PA 167, 120MM		2023	UNITED AMMUNITION CONTAINER / WYNNEWOOD, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2023	Aug 2024	13,236	23.38	Y		
FIBER CONTAINER PA 167, 120MM		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	10,397	14.45	Y		
FIBER CONTAINER PA 167, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	9,806	26.51	Y		
METAL CONTAINER PA 154, 120MM		2023	BWAY CORPORATION / ATLANTA, GA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	6,682	72.00	Y		
METAL CONTAINER PA 154, 120MM		2024	BWAY CORPORATION / ATLANTA, GA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	5,249	72.62	Y		
METAL CONTAINER PA 154, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	4,950	85.52	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E91400 / CTG, 120mm Mortar HE, M934 Series w/MOFM [CA04]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				200.667	24.301	20.134	25.492	-	25.492
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				200.667	24.301	20.134	25.492	-	25.492
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>200.667</b>	<b>24.301</b>	<b>20.134</b>	<b>25.492</b>	<b>-</b>	<b>25.492</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	137.53	107,362	14.765	207.00	15,790	3.269	389.29	15,172	5.906	189.08	21,883	4.138	-	-	-	189.08	21,883	4.138
SHELL BODY, 120MM HE <sup>(†)</sup>	124.17	110,830	13.762	146.72	16,263	2.386	149.64	15,627	2.338	153.75	22,539	3.465	-	-	-	153.75	22,539	3.465
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	24.22	110,830	2.684	25.38	16,263	0.413	25.76	15,627	0.403	27.32	22,539	0.616	-	-	-	27.32	22,539	0.616
COMP B TYPE I GRADE A <sup>(†)</sup>	14.95	360,003	5.382	13.41	142,110	1.906	13.32	136,548	1.819	13.50	196,947	2.659	-	-	-	13.50	196,947	2.659
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	19.33	443,324	8.569	23.13	121,178	2.803	26.01	62,508	1.626	30.76	90,157	2.773	-	-	-	30.76	90,157	2.773
FIN ASSEMBLY, M31 <sup>(†)</sup>	38.31	110,830	4.246	41.85	16,263	0.681	42.50	15,627	0.664	42.59	22,539	0.960	-	-	-	42.59	22,539	0.960
PBXW-12 BULK EXPLOSIVE <sup>(†)</sup>	94.19	4,732	0.446	91.03	1,737	0.158	126.18	1,668	0.210	113.84	2,407	0.274	-	-	-	113.84	2,407	0.274
FUZE MOFM, M734A1 <sup>(†)</sup>	235.25	110,830	26.072	264.58	30,294	8.015	283.41	15,627	4.429	289.37	22,539	6.522	-	-	-	289.37	22,539	6.522
<i>Subtotal: Recurring Cost</i>	-	-	75.926	-	-	19.630	-	-	17.395	-	-	21.407	-	-	-	-	-	21.407
<i>Subtotal: Hardware Cost</i>	-	-	75.926	-	-	19.630	-	-	17.395	-	-	21.407	-	-	-	-	-	21.407
Support - Acceptance Testing Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E91400 / CTG, 120mm Mortar HE, M934 Series w/MOFM [CA04]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Acceptance Test	-	-	0.568	-	-	0.668	-	-	0.180	-	-	0.230	-	-	-	-	-	0.230
First Article Test	-	-	0.057	-	-	1.980	-	-	-	-	-	0.143	-	-	-	-	-	0.143
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.625</b>	-	-	<b>2.648</b>	-	-	<b>0.180</b>	-	-	<b>0.373</b>	-	-	-	-	-	<b>0.373</b>
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	0.086	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	<b>0.086</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	124.116	-	-	1.935	-	-	2.559	-	-	3.711	-	-	-	-	-	3.711
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>124.116</b>	-	-	<b>1.935</b>	-	-	<b>2.559</b>	-	-	<b>3.711</b>	-	-	-	-	-	<b>3.711</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>200.667</b>	-	-	<b>24.301</b>	-	-	<b>20.134</b>	-	-	<b>25.492</b>	-	-	-	-	-	<b>25.492</b>

**Remarks:**

Increased costs are attributed to labor and materials due to COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:					Item Number / Title [DODIC]:				
2034A / 01 / 33			6780E25500 / 120MM Mortar, All Types					E91400 / CTG, 120mm Mortar HE, M934 Series w/MOFM [CA04]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	May 2024	May 2027	3,543	389.67	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	GEN DYNAMICS ORD & TAC SYS / LE GARDEUR, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2026	12,247	154.16	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2024	May 2027	15,172	389.29	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	May 2025	May 2028	21,883	189.08	Y		
SHELL BODY, 120MM HE		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	12,614	146.45	Y		
SHELL BODY, 120MM HE		2023	GENERAL DYNAMICS OTS / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Apr 2024	Oct 2025	3,649	147.64	Y		
SHELL BODY, 120MM HE		2024	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	15,627	149.64	Y		
SHELL BODY, 120MM HE		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	22,539	153.75	Y		
IGNITION CARTRIDGE, M1020		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2024	Oct 2025	3,649	25.81	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2023	12,614	25.26	Y		
IGNITION CARTRIDGE, M1020		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	15,627	25.76	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	22,539	27.32	Y		
COMP B TYPE I GRADE A		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	110,223	13.46	Y		
COMP B TYPE I GRADE A		2023	BAE SYSTEMS ORDNANCE SYSTEMS INC. / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	31,887	13.24	Y		
COMP B TYPE I GRADE A		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2025	136,548	13.32	Y		
COMP B TYPE I GRADE A		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	196,947	13.50	Y		
PROPELLANT CHARGE, M234A1		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	14,597	23.88	Y		
PROPELLANT CHARGE, M234A1		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	106,581	23.88	Y		
PROPELLANT CHARGE, M234A1		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	62,508	26.01	Y		



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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E91400 / CTG, 120mm Mortar HE, M934 Series w/MOFM [CA04]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	90,157	30.76	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	3,649	42.64	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC. / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2023	12,614	41.62	Y		
FIN ASSEMBLY, M31		2024	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	15,627	42.50	Y		
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	22,539	42.59	Y		
PBXW-12 BULK EXPLOSIVE		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	1,347	80.85	Y		
PBXW-12 BULK EXPLOSIVE		2023	BAE SYSTEMS ORDNANCE SYSTEMS INC. / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	390	126.19	Y		
PBXW-12 BULK EXPLOSIVE		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	1,668	126.18	Y		
PBXW-12 BULK EXPLOSIVE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2027	2,407	113.84	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	3,649	266.45	Y		
FUZE MOFM, M734A1		2023	L-3 FUZING & ORDANCE SYSTEMS INC. / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Dec 2024	26,645	266.45	Y		
FUZE MOFM, M734A1		2024	L-3 FUZING & ORDANCE SYSTEMS / CINCINNATI, OH	Option / FFP	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2026	15,627	283.41	Y		
FUZE MOFM, M734A1		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	22,539	289.37	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33				<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types			<b>Item Number / Title [DODIC]:</b> E91500 / CTG, 120mm Mortar IR ILLUM, M983 Series w/MTSQ [CA07]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				219.276	25.833	-	0.963	-	0.963
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				219.276	25.833	-	0.963	-	0.963
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>219.276</b>	<b>25.833</b>	<b>-</b>	<b>0.963</b>	<b>-</b>	<b>0.963</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	59.47	195,114	11.603	432.92	15,998	6.926	-	-	-	411.19	440	0.181	-	-	-	411.19	440	0.181
FUZE MTSQ, M776 <sup>(†)</sup>	224.32	73,426	16.471	237.49	16,478	3.913	-	-	-	283.87	453	0.129	-	-	-	283.87	453	0.129
120MM ILLUM BODY <sup>(†)</sup>	295.97	200,968	59.481	171.48	16,478	2.826	-	-	-	179.91	453	0.081	-	-	-	179.91	453	0.081
PROPELLANT CHARGE, M234A1 <sup>(†)</sup>	21.09	803,868	16.950	29.58	65,912	1.950	-	-	-	30.75	1,812	0.056	-	-	-	30.75	1,812	0.056
METAL CONTAINER PA 154, 120MM <sup>(†)</sup>	63.75	69,536	4.433	71.19	8,319	0.592	-	-	-	85.52	228	0.019	-	-	-	85.52	228	0.019
IR ILLUM CANNISTER, 120MM <sup>(†)</sup>	357.63	73,426	26.259	382.33	16,478	6.300	-	-	-	462.33	453	0.209	-	-	-	462.33	453	0.209
IGNITION CARTRIDGE, M1020 <sup>(†)</sup>	26.40	200,968	5.306	25.26	16,478	0.416	-	-	-	27.31	453	0.012	-	-	-	27.31	453	0.012
PARACHUTE, 120MM <sup>(†)</sup>	54.80	200,968	11.012	78.80	16,478	1.298	-	-	-	81.16	453	0.037	-	-	-	81.16	453	0.037
FIBER CONTAINER PA 167, 120MM <sup>(†)</sup>	13.61	200,968	2.735	23.38	16,478	0.385	-	-	-	26.50	453	0.012	-	-	-	26.50	453	0.012

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33	<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types	<b>Item Number / Title [DODIC]:</b> E91500 / CTG, 120mm Mortar IR ILLUM, M983 Series w/MTSQ [CA07]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
FIN ASSEMBLY, M31 <sup>(t)</sup>	40.18	200,968	8.074	41.62	16,478	0.686	-	-	-	42.60	453	0.019	-	-	-	42.60	453	0.019
<i>Subtotal: Recurring Cost</i>	-	-	162.324	-	-	25.293	-	-	-	-	-	0.756	-	-	-	-	-	0.756
<i>Subtotal: Hardware Cost</i>	-	-	162.324	-	-	25.293	-	-	-	-	-	0.756	-	-	-	-	-	0.756
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	45.147	-	-	0.025	-	-	-	-	-	0.090	-	-	-	-	-	0.090
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	45.147	-	-	0.025	-	-	-	-	-	0.090	-	-	-	-	-	0.090
Support - Production Engineering Cost																		
Production Engineering	-	-	11.805	-	-	0.516	-	-	-	-	-	0.117	-	-	-	-	-	0.117
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	11.805	-	-	0.516	-	-	-	-	-	0.117	-	-	-	-	-	0.117
<b>Gross/Weapon System Cost</b>	-	-	219.276	-	-	25.833	-	-	-	-	-	0.963	-	-	-	-	-	0.963

**Remarks:**

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 33			P-1 Line Item Number / Title: 6780E25500 / 120MM Mortar, All Types					Item Number / Title [DODIC]: E91500 / CTG, 120mm Mortar IR ILLUM, M983 Series w/MTSQ [CA07]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2026	15,998	432.92	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2025	Feb 2028	440	411.19	Y		
FUZE MTSQ, M776		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Jul 2025	16,478	237.49	Y		
FUZE MTSQ, M776		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	453	283.87	Y		
120MM ILLUM BODY		2023	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	16,478	171.48	Y		
120MM ILLUM BODY		2025	GENERAL DYNAMICS ORD & TAC / WILKES BARRE, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	453	179.91	Y		
PROPELLANT CHARGE, M234A1		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	65,912	29.58	Y		
PROPELLANT CHARGE, M234A1		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	1,812	30.75	Y		
METAL CONTAINER PA 154, 120MM		2023	BWAY CORPORATION / ATLANTA, GA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	8,319	71.19	Y		
METAL CONTAINER PA 154, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	228	85.52	Y		
IR ILLUM CANNISTER, 120MM		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Oct 2024	16,478	382.33	Y		
IR ILLUM CANNISTER, 120MM		2025	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2025	Oct 2027	453	462.33	Y		
IGNITION CARTRIDGE, M1020		2023	NAMMO POCAL INC. / SCRANTON, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2022	Jun 2024	16,478	25.26	Y		
IGNITION CARTRIDGE, M1020		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	453	27.31	Y		
PARACHUTE, 120MM		2023	YOLAND CORPORATION / BROOKLYN, NY	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	16,478	78.80	Y		
PARACHUTE, 120MM		2025	YOLAND CORPORATION / BROOKLYN, NY	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	453	81.16	Y		
FIBER CONTAINER PA 167, 120MM		2023	UNITED AMMUNITION CONTAINER / WYNNEWOOD, PA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2023	Aug 2024	16,478	23.38	Y		
FIBER CONTAINER PA 167, 120MM		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	453	26.50	Y		
FIN ASSEMBLY, M31		2023	MACHINING TECHNOLOGIES INC / SALISBURY, MD	Option / IDIQ	PICATINNY ARSENAL, NJ	Nov 2022	May 2024	16,478	41.62	Y		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 33			<b>P-1 Line Item Number / Title:</b> 6780E25500 / 120MM Mortar, All Types				<b>Item Number / Title [DODIC]:</b> E91500 / CTG, 120mm Mortar IR ILLUM, M983 Series w/MTSQ [CA07]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
FIN ASSEMBLY, M31		2025	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	453	42.60	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition	<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4,189.137	413.274	300.368	378.191	-	378.191	424.016	452.587	481.107	484.534	-	7,123.214
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	4,189.137	413.274	300.368	378.191	-	378.191	424.016	452.587	481.107	484.534	-	7,123.214
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>4,189.137</b>	<b>413.274</b>	<b>300.368</b>	<b>378.191</b>	<b>-</b>	<b>378.191</b>	<b>424.016</b>	<b>452.587</b>	<b>481.107</b>	<b>484.534</b>	<b>-</b>	<b>7,123.214</b>

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

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

**Description:**

This budget line includes CARTRIDGE, TANK, 105MM and 120MM ALL TYPES:

(E22125) M724A2 Cartridge replaces the (E22100) M724A1 Cartridge and provides the Army with a range limited (7,000 meters, maximum) round which can be safely fired at all training sites. The Cartridge, M724A2, 105mm Target Practice Discarding Sabot with Tracer (TPDS-T) will be used for gunnery training in the Army's 105mm M10 Booker platform. This discarding sabot round is similar in external appearance and is ballistically similar out to 2,000 meters with the M900, Armor Piercing Fin Stabilized Discarding Sabot w/Tracer Cartridge. It is used as a training surrogate for the M900 Cartridge. The M724A2 Cartridge consists of a deep drawn steel cartridge case, electric primer, propellant and a projectile consisting of a sub-projectile (steel core, windshield, fin and tracer) and aluminum sabot. This item is Code A, approved for service use.

(E73201) Cartridge, 120mm, Target Practice Multi-Purpose-Tracer (TPMP-T) M1002 is a target practice cartridge that simulates the size, weight, ballistics and the loader's function of setting the nose switch of the High Explosive Multi-Purpose cartridge M830A1. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and composed of an aluminum body, steel nose with dummy plastic switch, aluminum tail cone, aluminum sabot, nylon obturators and tracer. The tail cone imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. The M1002 replaces the M831A1 cartridge. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.

(E73400) 120mm M865A1 (Longer Length) Target Practice Cone-Stabilized Discarding Sabot with Tracer (TPCSDS-T) is the follow on to the M865 TPCSDS-T. The M865A1 is a target practice round that simulates the ballistics of the 120mm M829 Series Armor Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) round and is a more accurate representation of the M829A4, in terms of size and handling, than its predecessor. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and is composed of a steel core, aluminum fin, aluminum sabots, nylon obturator and tracer. The fin imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.

(E88105) 120mm HEMP-T, M1147 The Advanced Multi-Purpose (AMP) program is a direct fire line of sight 120mm large caliber munition under development for the Abrams Main Battle Tank. It has three modes of operation including point detonate, point detonate delay and airburst. AMP is the material solution for breaching double reinforced concrete walls and defeating Anti-Tank Guided Missile (ATGM) teams from 50m to 2000m (T) and 50m to 4500m (O), a validated gap that cannot currently be met with existing stockpiled ammunition. In addition to added capability, AMP will also consolidate the capabilities of four

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>existing stockpiled 120mm munitions, thereby addressing the users' battle carry dilemma by allowing them to load a single munition that is capable of defeating multiple targets including ATGM teams, reinforced walls, personnel, light armor, bunkers, and obstacles. This item is Code B, not approved for service use.</p> <p>(E88106) 120mm M829A4 Armor Piercing Fin Stabilized, Discarding Sabot with Tracer (APFSDS-T) cartridge is the follow on to the M829A3 APFSDS-T cartridge. The M829A4 is the most effective anti-armor kinetic energy cartridge fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. This cartridge has been designed to defeat advances in armor protection, specifically advancement in explosive reactive armor (ERA). The cartridge incorporates advancements in propulsion, using a temperature insensitive propellant, novel penetrator design, and an advanced composite sabot. The projectile system consists of a depleted uranium penetrator mated to a drag reducing windshield and flight stabilizing multi-bladed fin, all secured for launch with a composite sabot. The M829A4 captures several new technologies along with components previously used on previous APFSDS-T cartridges but incorporates technology advancements to yield significant improvement in performance over previous fielded cartridges. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition

**P-1 Line Item Number / Title:**  
1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E22125 / CTG, 105mm Tank TPDS-T, M724A2 (Short Rg KE Trnr) [CA58]	P-5a	A		- / 53.493	- / 6.952	- / -	- / 1.261	- / -	- / 1.261
P-5	E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]	P-5a, P-21	A		- / 763.324	- / 80.557	- / 83.214	- / 96.357	- / -	- / 96.357
P-5	E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]	P-5a, P-21	A		- / 2,905.834	- / 125.886	- / 130.167	- / 155.370	- / -	- / 155.370
P-5	E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]	P-5a, P-21	B		- / 81.003	- / 159.704	- / 22.146	- / 55.490	- / -	- / 55.490
P-5	E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]	P-5a, P-21	A		- / 385.483	- / 40.175	- / 64.841	- / 69.713	- / -	- / 69.713
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 4,189.137</b>	<b>- / 413.274</b>	<b>- / 300.368</b>	<b>- / 378.191</b>	<b>- / -</b>	<b>- / 378.191</b>

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

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

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle. 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."

FY 2025 Total Base dollars in the amount of \$378.191 million supports the procurement of .093 million cartridges.

The FY 2023 actuals for base include \$134.500 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E22125) M724A2

This is a training unique item not used in combat. FY 2025 Base procurement dollars in the amount of \$1.261 million supports engineering for items in production.

Type Classification Date: 2016

(E73201) M1002 (TPMP-T)

This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$96.357 million supports the procurement of 32,498 cartridges.

Type Classification Date: 2006

(E73400) M865A1 (Longer Length)

This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$155.370 million supports the procurement of 51,091 cartridges.

Type Classification Date: 1984



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E88105) M1147 (HEMP-T) This is a war reserve item used in combat. FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$55.490 million supports the procurement of 6,756 cartridges. Type Classification Date: 2022</p> <p>(E88106) M829A4 (APFSDS-T) This is a war reserve item used in combat. FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$69.713 million supports the procurement of 3,026 cartridges. Type Classification Date: 2015</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35	<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Number / Title [DODIC]:</b> E22125 / CTG, 105mm Tank TPDS-T, M724A2 (Short Rg KE Trnr) [CA58]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				53.493	6.952	-	1.261	-	1.261
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				53.493	6.952	-	1.261	-	1.261
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>53.493</b>	<b>6.952</b>	<b>-</b>	<b>1.261</b>	<b>-</b>	<b>1.261</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	2,358.20	16,875	39.795	2,826.05	1,623	4.587	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	39.795	-	-	4.587	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>39.795</b>	-	-	<b>4.587</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.301	-	-	0.201	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	3.190	-	-	0.664	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>3.491</b>	-	-	<b>0.865</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Safety	-	-	0.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.537</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	9.671	-	-	1.500	-	-	-	-	-	1.261	-	-	-	-	-	1.261
Subtotal: Support - Production Engineering Cost	-	-	<b>9.671</b>	-	-	<b>1.500</b>	-	-	-	-	-	<b>1.261</b>	-	-	-	-	-	<b>1.261</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>53.493</b>	-	-	<b>6.952</b>	-	-	-	-	-	<b>1.261</b>	-	-	-	-	-	<b>1.261</b>

Remarks:

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35	<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Number / Title [DODIC]:</b> E22125 / CTG, 105mm Tank TPDS-T, M724A2 (Short Rg KE Trnr) [CA58]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

The M724A2 round is procured using a skip year strategy for cost efficiencies due to low quantity buys.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Number / Title [DODIC]:</b> E22125 / CTG, 105mm Tank TPDS-T, M724A2 (Short Rg KE Trnr) [CA58]					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	May 2024	1,623	2,826.05	Y		

**Remarks:**  
The M724A2 round is procured via a skip year strategy.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	763.324	80.557	83.214	96.357	-	96.357
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	763.324	80.557	83.214	96.357	-	96.357
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>763.324</b>	<b>80.557</b>	<b>83.214</b>	<b>96.357</b>	<b>-</b>	<b>96.357</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	2,243.37	311,238	698.221	2,621.05	27,245	71.411	2,739.72	27,969	76.627	2,678.99	32,498	87.062	-	-	-	2,678.99	32,498	87.062
Subtotal: Recurring Cost	-	-	698.220	-	-	71.411	-	-	76.627	-	-	87.062	-	-	-	-	-	87.062
Subtotal: Hardware Cost	-	-	<b>698.220</b>	-	-	<b>71.411</b>	-	-	<b>76.627</b>	-	-	<b>87.062</b>	-	-	-	-	-	<b>87.062</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	6.203	-	-	0.319	-	-	1.050	-	-	0.723	-	-	-	-	-	0.723
First Article Test	-	-	0.600	-	-	-	-	-	-	-	-	0.298	-	-	-	-	-	0.298
Subtotal: Support - Acceptance Testing Cost	-	-	<b>6.803</b>	-	-	<b>0.319</b>	-	-	<b>1.050</b>	-	-	<b>1.021</b>	-	-	-	-	-	<b>1.021</b>
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	0.419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	<b>0.419</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Production Verification Test	-	-	2.340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	5.860	-	-	0.409	-	-	-	-	-	-	-	-	-	-	-	-
Reliability	-	-	13.458	-	-	3.511	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>21.658</b>	-	-	<b>3.920</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35						<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types						<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Production Engineering Cost																		
Production Engineering	-	-	36.134	-	-	4.897	-	-	5.523	-	-	8.262	-	-	-	-	-	8.262
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>36.134</b>	-	-	<b>4.897</b>	-	-	<b>5.523</b>	-	-	<b>8.262</b>	-	-	-	-	-	<b>8.262</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.038	-	-	0.010	-	-	0.013	-	-	0.012	-	-	-	-	-	0.012
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.038</b>	-	-	<b>0.010</b>	-	-	<b>0.013</b>	-	-	<b>0.012</b>	-	-	-	-	-	<b>0.012</b>
Support - Study & Analysis Cost																		
Study & Analysis	-	-	0.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	<b>0.052</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>763.324</b>	-	-	<b>80.557</b>	-	-	<b>83.214</b>	-	-	<b>96.357</b>	-	-	-	-	-	<b>96.357</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Feb 2024	14,985	2,621.05	Y		
COMPLETE ROUND <sup>(†)</sup>		2023	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Feb 2024	12,260	2,621.05	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Feb 2025	16,782	2,739.72	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Feb 2025	11,187	2,739.72	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Feb 2026	19,499	2,678.99	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Feb 2026	12,999	2,678.99	Y		

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

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army													<b>Date:</b> March 2024																	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35						<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types												<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]												

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023												Fiscal Year 2024												B A L A N C E									
O C C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P								
COMPLETE ROUND																																							
Prior Years Deliveries: 311238																																							
1	2023	ARMY	14.985	.000	14.985																									1.365	1.362	1.362	1.362	1.362	-	1.362	1.362	5.448	
2	2023	ARMY	12.260	.000	12.260																										1.110	1.108	.070	1.108	1.108	1.108	1.108	1.108	4.432
1	2024	ARMY	16.782	.000	16.782																																	16.782	
2	2024	ARMY	11.187	.000	11.187																																		11.187
1	2025	ARMY	19.499	.000	19.499																																		19.499
2	2025	ARMY	12.999	.000	12.999																																		12.999



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025														Fiscal Year 2026														B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
Prior Years Deliveries: 311238																																			
	1	2023	ARMY	14.985	9.537	5.448	1.362	1.362	1.362	1.362																			.000						
	2	2023	ARMY	12.260	7.828	4.432	1.108	1.108	1.108	1.108																			.000						
	1	2024	ARMY	16.782	.000	16.782	-	-	-	-	1.404	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398							.000						
	2	2024	ARMY	11.187	.000	11.187	-	-	-	-	.935	.932	.932	.932	.932	.932	.932	.932	.932	.932	.932	.932							.000						
	1	2025	ARMY	19.499	.000	19.499						A -	-	-	-	-	-	-	-	-	-	-	1.625	1.630	1.624	1.624	1.624	1.624	1.624	6.500					
	2	2025	ARMY	12.999	.000	12.999						A -	-	-	-	-	-	-	-	-	-	-	1.086	1.083	1.083	1.083	1.083	1.083	1.083	4.332					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
COMPLETE ROUND																															
Prior Years Deliveries: 311238																															
	1	2023	ARMY	14.985	14.985	.000																								.000	
	2	2023	ARMY	12.260	12.260	.000																								.000	
	1	2024	ARMY	16.782	16.782	.000																								.000	
	2	2024	ARMY	11.187	11.187	.000																								.000	
	1	2025	ARMY	19.499	12.999	6.500	1.624	1.624	1.624	1.628																				.000	
	2	2025	ARMY	12.999	8.667	4.332	1.083	1.083	1.083	1.083																				.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E73201 / CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T) [CA31]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN SYSTEMS CORP - PLYMOUTH, MN	500	8,000	24,000	6	6	11	17	6	6	11	17
2	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	500	8,000	24,000	6	6	11	17	6	6	11	17

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,905.834	125.886	130.167	155.370	-	155.370
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,905.834	125.886	130.167	155.370	-	155.370
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,905.834</b>	<b>125.886</b>	<b>130.167</b>	<b>155.370</b>	<b>-</b>	<b>155.370</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	743.68	3,821,995	2,842.322	3,086.01	38,562	119.003	3,147.72	38,860	122.320	2,839.01	51,091	145.048	-	-	-	2,839.01	51,091	145.048
Subtotal: Recurring Cost	-	-	2,842.322	-	-	119.003	-	-	122.320	-	-	145.048	-	-	-	-	-	145.048
Subtotal: Hardware Cost	-	-	2,842.322	-	-	119.003	-	-	122.320	-	-	145.048	-	-	-	-	-	145.048
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	5.064	-	-	0.160	-	-	0.784	-	-	1.217	-	-	-	-	-	1.217
First Article Test	-	-	0.741	-	-	-	-	-	0.300	-	-	0.355	-	-	-	-	-	0.355
Subtotal: Support - Acceptance Testing Cost	-	-	5.805	-	-	0.160	-	-	1.084	-	-	1.572	-	-	-	-	-	1.572
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	14.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Qualification Test	-	-	0.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	10.590	-	-	0.133	-	-	-	-	-	-	-	-	-	-	-	-
Production Verification Test	-	-	0.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	26.040	-	-	0.133	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	31.459	-	-	6.555	-	-	6.751	-	-	8.733	-	-	-	-	-	8.733

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35	<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	31.459	-	-	6.555	-	-	6.751	-	-	8.733	-	-	-	-	-	8.733
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.024	-	-	0.035	-	-	0.011	-	-	0.016	-	-	-	-	-	0.016
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.024	-	-	0.035	-	-	0.011	-	-	0.016	-	-	-	-	-	0.016
Support - Study & Analysis Cost																		
Study & Analysis	-	-	0.184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	0.184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	2,905.834	-	-	125.886	-	-	130.167	-	-	155.370	-	-	-	-	-	155.370

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	19,281	3,086.01	Y		
COMPLETE ROUND <sup>(†)</sup>		2023	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	19,281	3,086.01	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	23,316	3,147.72	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	15,544	3,147.72	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2025	May 2026	30,655	2,839.01	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	20,436	2,839.01	Y		

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

**Remarks:**  
Complete round is an average unit cost between two contractors. The quantity split will be determined between the two contractors in the year of execution.

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army												<b>Date:</b> March 2024																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35						<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types												<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]															

		Cost Elements <i>(Units in Thousands)</i>				Fiscal Year 2023												Fiscal Year 2024												B A L A N C E
O C C O #	M F R Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 2	B A L D U E A S O F 1 O C T	Calendar Year 2023												Calendar Year 2024												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
COMPLETE ROUND																														
Prior Years Deliveries: 3821995																														
	1	2023	ARMY	19.281	.000	19.281																								
	2	2023	ARMY	19.281	.000	19.281																								
	1	2024	ARMY	23.316	.000	23.316																								
	2	2024	ARMY	15.544	.000	15.544																								
	1	2025	ARMY	30.655	.000	30.655																								
	2	2025	ARMY	20.436	.000	20.436																								

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 3821995																																					
	1	2023	ARMY	19.281	11.242	8.039	1.606	1.606	1.606	1.606	1.615																							.000			
	2	2023	ARMY	19.281	11.242	8.039	1.606	1.606	1.606	1.606	1.615																							.000			
	1	2024	ARMY	23.316	.000	23.316	-	-	-	-	-	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	.000			
	2	2024	ARMY	15.544	.000	15.544	-	-	-	-	-	1.299	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	.000				
	1	2025	ARMY	30.655	.000	30.655									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.882				
	2	2025	ARMY	20.436	.000	20.436									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.515				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army													<b>Date:</b> March 2024																		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35						<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types													<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]												

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2027													Fiscal Year 2028													B A L A N C E
O C C O #	M F R Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 6	B A L D U E A S O F 1 O C T	Calendar Year 2027													Calendar Year 2028													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																
Prior Years Deliveries: 3821995																																
1	2023	ARMY	19.281	19.281	.000																											.000
2	2023	ARMY	19.281	19.281	.000																											.000
1	2024	ARMY	23.316	23.316	.000																											.000
2	2024	ARMY	15.544	15.544	.000																											.000
1	2025	ARMY	30.655	12.773	17.882	2.554	2.554	2.554	2.554	2.554	2.554	2.554																			.000	
2	2025	ARMY	20.436	11.921	8.515	1.703	1.703	1.703	1.703	1.703																					.000	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E73400 / CTG, 120mm Tank TPCSDS-T, M865 [CA69]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN SYSTEMS CORP - PLYMOUTH, MN	500	8,000	24,000	6	6	12	18	6	8	12	20
2	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	500	8,000	24,000	6	6	12	18	6	6	12	18

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				81.003	159.704	22.146	55.490	-	55.490
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				81.003	159.704	22.146	55.490	-	55.490
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>81.003</b>	<b>159.704</b>	<b>22.146</b>	<b>55.490</b>	<b>-</b>	<b>55.490</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND(†)	7,732.01	6,303	48.735	10,902.63	9,400	102.485	7,300.00	2,404	17.549	7,453.29	6,756	50.354	-	-	-	7,453.29	6,756	50.354
Subtotal: Recurring Cost	-	-	48.735	-	-	102.485	-	-	17.549	-	-	50.354	-	-	-	-	-	50.354
Subtotal: Hardware Cost	-	-	48.735	-	-	102.485	-	-	17.549	-	-	50.354	-	-	-	-	-	50.354
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	1.012	-	-	0.200	-	-	0.200	-	-	-	-	-	-	-	-	-
First Article Test	-	-	5.162	-	-	0.502	-	-	0.400	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	6.174	-	-	0.702	-	-	0.600	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Reliability	-	-	9.376	-	-	0.686	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	-	-	-	0.438	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	9.376	-	-	1.124	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	9.800	-	-	3.394	-	-	3.353	-	-	5.136	-	-	-	-	-	5.136
Subtotal: Support - Production Engineering Cost	-	-	9.800	-	-	3.394	-	-	3.353	-	-	5.136	-	-	-	-	-	5.136
Support - Study & Analysis Cost																		
Study & Analysis	-	-	6.918	-	-	-	-	-	0.644	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]		

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	6.918	-	-	-	-	-	0.644	-	-	-	-	-	-	-	-	-
Support - Undistributed Procurement Cost																		
Undistributed Procurement	-	-	-	-	-	52.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	52.000	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	81.003	-	-	159.704	-	-	22.146	-	-	55.490	-	-	-	-	-	55.490

**Remarks:**  
Unit Cost decreases from FY2023 - FY2024 are the result of the program entering into Full Rate Production (FRP).

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types					<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2023	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	9,400	10,902.63	N		
COMPLETE ROUND <sup>(†)</sup>		2024	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	2,404	7,300.00	N		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	6,756	7,453.29	N		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]

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

COMPLETE ROUND																																				
Prior Years Deliveries: 6303																																				
1	2023	ARMY	9,400	0	9,400																															
1	2024	ARMY	2,404	0	2,404																															
2	2025	ARMY	6,756	0	6,756																															

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
Prior Years Deliveries: 6303																																			
1	2023	ARMY		9,400	5,483	3,917	783	783	783	783	785																		0						
1	2024	ARMY		2,404	0	2,404	-	-	-	-	-	204	200	200	200	200	200	200	200	200	200	200							0						
2	2025	ARMY		6,756	0	6,756						A -	-	-	-	-	-	-	-	-	-	-	563	563	563	563	563	563	2,815						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027										Fiscal Year 2028										BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027										Calendar Year 2028										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y

<b>COMPLETE ROUND</b>																																		
Prior Years Deliveries: 6303																																		
1	2023	ARMY	9,400	9,400	0																													0
1	2024	ARMY	2,404	2,404	0																													0
2	2025	ARMY	6,756	3,941	2,815	561	563	563	563	565																								0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E88105 / CTG, 120MM TANK, HEMP-T, M1147 [CA71]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN SYSTEMS CORP - PLYMOUTH, MN	100	500	2,000	0	9	12	21	6	6	12	18
2	TO BE SELECTED - TBS01	100	500	2,000	6	9	12	21	6	6	12	18

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

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				385.483	40.175	64.841	69.713	-	69.713
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				385.483	40.175	64.841	69.713	-	69.713
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>385.483</b>	<b>40.175</b>	<b>64.841</b>	<b>69.713</b>	<b>-</b>	<b>69.713</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	14,055.58	22,726	319.427	20,001.26	1,525	30.502	20,000.00	2,955	59.100	20,419.99	3,026	61.791	-	-	-	20,419.99	3,026	61.791
Subtotal: Recurring Cost	-	-	319.427	-	-	30.502	-	-	59.100	-	-	61.791	-	-	-	-	-	61.791
Subtotal: Hardware Cost	-	-	<b>319.427</b>	-	-	<b>30.502</b>	-	-	<b>59.100</b>	-	-	<b>61.791</b>	-	-	-	-	-	<b>61.791</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	1.367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	3.255	-	-	0.230	-	-	0.469	-	-	0.479	-	-	-	-	-	0.479
Subtotal: Support - Acceptance Testing Cost	-	-	<b>4.622</b>	-	-	<b>0.230</b>	-	-	<b>0.469</b>	-	-	<b>0.479</b>	-	-	-	-	-	<b>0.479</b>
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	-	-	-	<b>0.030</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	3.604	-	-	4.200	-	-	-	-	-	-	-	-	-	-	-	-
Production Verification Test	-	-	3.210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	4.318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>11.132</b>	-	-	<b>4.200</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35						<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types						<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>								

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Production Engineering Cost																		
Production Engineering	-	-	46.381	-	-	4.912	-	-	5.272	-	-	7.444	-	-	-	-	-	7.444
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>46.381</b>	-	-	<b>4.912</b>	-	-	<b>5.272</b>	-	-	<b>7.444</b>	-	-	-	-	-	<b>7.444</b>
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	-	-	-	0.301	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	-	-	-	<b>0.301</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Study & Analysis Cost																		
Study & Analysis	-	-	3.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	<b>3.920</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>385.483</b>	-	-	<b>40.175</b>	-	-	<b>64.841</b>	-	-	<b>69.713</b>	-	-	-	-	-	<b>69.713</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types					<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2023	TO BE SELECTED / TBS02	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	May 2025	1,525	20,001.26	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	TO BE SELECTED / TBS02	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	May 2025	2,955	20,000.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS02	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	May 2026	3,026	20,419.99	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35	<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types	<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													B A L A N C E				
O C C #	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 3	B A L D U E A S O F 1 O C T	Calendar Year 2024													Calendar Year 2025																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
COMPLETE ROUND																																				
Prior Years Deliveries: 22726																																				
	1	2023	ARMY	1,525	0	1,525																							128	127	127	127	127	889		
	1	2024	ARMY	2,955	0	2,955																									249	246	246	246	246	1,722
	1	2025	ARMY	3,026	0	3,026																														3,026
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35										<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types										<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2026												Fiscal Year 2027												BALANCE					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P			
<b>COMPLETE ROUND</b>																																		
Prior Years Deliveries: 22726																																		
1		2023	ARMY	1,525	636	889	127	127	127	127	127	127	127																					0
1		2024	ARMY	2,955	1,233	1,722	246	246	246	246	246	246	246																					0
1		2025	ARMY	3,026	0	3,026	-	-	-	-	-	-	-	254	252	252	252	252	252	252	252	252	252	252	252	252							0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35		<b>P-1 Line Item Number / Title:</b> 1120E22203 / Cartridges, Tank, 105MM And 120MM, All Types
		<b>Item Number / Title [DODIC]:</b> E88106 / CTG, 120mm Tank APFSDS-T, M829A4 [CA64]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS02	1,000	3,000	5,000	6	6	15	21	6	6	14	20

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

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

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,030.727	58.047	21.298	22.957	-	22.957	56.704	50.853	56.384	56.944	-	3,353.914
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,030.727	58.047	21.298	22.957	-	22.957	56.704	50.853	56.384	56.944	-	3,353.914
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,030.727</b>	<b>58.047</b>	<b>21.298</b>	<b>22.957</b>	<b>-</b>	<b>22.957</b>	<b>56.704</b>	<b>50.853</b>	<b>56.384</b>	<b>56.944</b>	<b>-</b>	<b>3,353.914</b>

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

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

**Description:**

SSN E22002 / CTG, ARTY, 105MM SMOKE HC M84 W/O FUZE is a new start within the Artillery Cartridges, 75MM & 105MM, All Types program in FY 2025

(E15101) Artillery Cartridges, 75MM And 105MM, All Types  
This budget line includes Cartridge, Artillery, 75mm & 105mm, All Types.

(E21501) CTG, ARTY, 105MM HE, M1 W/O FUZE

The 105mm M1 High Explosive (HE) cartridge contains a HE fill and is used primarily for training although some cartridges are expended in combat operations for fragmentation and blast. The cartridge is loaded with an M67 propellant charge, consisting of seven numbered increment bags sewn together in numerical order. Projectile function is dependent upon the fuze used and may function on impact (instantaneous or delay), above ground at a predetermined height or in proximity to the target area. Fuze function detonates the HE projectile filler resulting in projectile fragmentation and blast. Range varies from 3.5 to 11.3 kilometers, depending on the number of charge bags used. The program remanufactures/recapitalizes the remaining unserviceable cartridges through replacement of M67 Prop Charge and Primer at a reduced cost over new production to provide a cost effective training cartridge. This item is Code A, approved for service use.

(E22002) CTG, ARTY, 105MM SMOKE HC, M84 W/O FUZE

The 105mm M84 Hexachloroethane Zinc Oxide (HC) Smoke compatible with the M762 Electronic Time (ET) series Fuze is a semi-fixed smoke cartridge which is comprised of the M14 Cartridge Case, M28Percussion Primer, M67 Propellant Charge, and a projectile that contains the pinned base plug, a black powder expelling charge and three HC smoke canisters. Each metal canister contains a core igniter flash tube, a first fire mix and the HC smoke composition. When ignited, HC composition produces a caustic white smoke. The M84A1 Cartridge is loaded and fired in a conventional manner. As the round approaches the target area, the fuze ignites the black powder expelling charge which simultaneously ignites and expels the three HC canisters from the base of the carrier. The smoke canisters fall to the ground producing billowing clouds of smoke which last from 40 to 90 seconds. The HC Smoke is less toxic and less incendiary than White Phosphorous (WP) and can be used on ranges that that prohibit WP rounds for training due to environmental restrictions. The item is Code A approved for service use.



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition

**P-1 Line Item Number / Title:**  
0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E21501 / CTG, 105mm ARTY HE, M1 w/o Fuze [C445]	P-5a, P-21	A		- / 3,030.238	- / 58.047	- / 21.298	- / 21.648	- / -	- / 21.648
P-5	E22002 / CTG, ARTY, 105MM SMOKE HC M84 W/O FUZE		A		- / 0.489	- / -	- / -	- / 1.309	- / -	- / 1.309
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 3,030.727</b>	<b>- / 58.047</b>	<b>- / 21.298</b>	<b>- / 22.957</b>	<b>- / -</b>	<b>- / 22.957</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$22.957 million supports the recapitalization of 36,991 M1 High Explosive cartridges.

The FY 2023 actuals for base include \$50.400 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E21501) CTG, ARTY, 105MM HE, M1 W/O FUZE  
This program will remanufacture/recapitalize unserviceable rounds in the inventory. This is a training standard item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2025 Total Base dollars in the amount of \$21.648 million supports the procurement of 36,991 M1 recapitalized cartridges.  
TYPE CLASSIFICATION DATE: 1966

(E22002) CTG, ARTY, 105MM SMOKE HC, M84 W/O FUZE  
This is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army procurement goals. FY 2025 Total Base dollars in the amount of \$1.309 million supports technical data package refinement. E22002 is a new Start in FY 2025.  
TYPE CLASSIFICATION DATE: 1978

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37				<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types			<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				3,030.238	58.047	21.298	21.648	-	21.648
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				3,030.238	58.047	21.298	21.648	-	21.648
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>3,030.238</b>	<b>58.047</b>	<b>21.298</b>	<b>21.648</b>	<b>-</b>	<b>21.648</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	115.63	470,195	54.367	115.05	160,831	18.504	126.52	67,332	8.519	151.38	36,991	5.600	-	-	-	151.38	36,991	5.600
CONTAINER AMMUNITION FIBER PA55 <sup>(†)</sup>	31.34	43,420	1.361	72.00	14,400	1.037	33.43	6,733	0.225	79.17	3,699	0.293	-	-	-	79.17	3,699	0.293
*CONTAINER AMMUNITION FIBER PA55 <sup>(†)</sup>	-	-	-	72.00	134,163	9.660	-	-	-	-	-	-	-	-	-	-	-	-
M67 PROP CHARGE <sup>(†)</sup>	62.87	479,599	30.154	218.81	96,443	21.103	86.00	68,678	5.906	265.33	37,730	10.011	-	-	-	265.33	37,730	10.011
*PRIMER PERCUSSION M28B2 <sup>(†)</sup>	-	-	-	28.97	100,000	2.897	-	-	-	-	-	-	-	-	-	-	-	-
*M67 PROP CHARGE <sup>(†)</sup>	-	-	-	219.00	67,605	14.805	-	-	-	-	-	-	-	-	-	-	-	-
PRIMER PERCUSSION M28B2 <sup>(†)</sup>	19.78	479,599	9.487	28.97	64,048	1.855	25.61	68,678	1.759	26.32	37,730	0.993	-	-	-	26.32	37,730	0.993
BOX, PACKING AMMO <sup>(†)</sup>	46.35	266,137	12.336	39.87	103,970	4.145	69.86	33,666	2.352	71.82	18,495	1.328	-	-	-	71.82	18,495	1.328

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37						<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types						<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
WOODEN PALLETS <sup>(†)</sup>	-	-	-	130.80	30,240	3.955	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	107.705	-	-	77.961	-	-	18.761	-	-	18.225	-	-	-	-	-	18.225
<i>Subtotal: Hardware Cost</i>	-	-	107.705	-	-	77.961	-	-	18.761	-	-	18.225	-	-	-	-	-	18.225
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	1.039	-	-	0.130	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	0.159	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.039	-	-	0.289	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Government Furnished Materials Cost</b>																		
Government Furnished Materials	-	-	-	-	-	-27.363	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	-	-	-	-27.363	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	1.794	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	1.794	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Insensitive Munitions	-	-	0.340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	0.340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	8.185	-	-	2.282	-	-	2.537	-	-	3.422	-	-	-	-	-	3.422
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	8.185	-	-	2.282	-	-	2.537	-	-	3.422	-	-	-	-	-	3.422
<b>Support - Recapitalization Cost</b>																		
Recapitalization	-	-	2,910.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Recapitalization Cost</i>	-	-	2,910.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - System Engineering Cost</b>																		
System Engineering	-	-	0.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Engineering Cost</i>	-	-	0.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Undistributed Procurement Cost</b>																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types	<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Undistributed Procurement	-	-	-	-	-	4.628	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	<b>4.628</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>3,030.238</b>	-	-	<b>58.047</b>	-	-	<b>21.298</b>	-	-	<b>21.648</b>	-	-	-	-	-	<b>21.648</b>

**Remarks:**

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 37			P-1 Line Item Number / Title: 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types					Item Number / Title [DODIC]: E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	BLUE GRASS ARMY DEPOT (BGAD) / RICHMOND, KY	PO	PICATINNY ARSENAL, NJ	Jan 2023	Jan 2025	160,831	115.05	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	BLUE GRASS ARMY DEPOT (BGAD) / RICHMOND, KY	PO	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2026	67,332	126.52	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	BLUE GRASS ARMY DEPOT (BGAD) / RICHMOND, KY	PO	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2027	36,991	151.38	Y		
CONTAINER AMMUNITION FIBER PA55		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2025	14,400	72.00	Y		
CONTAINER AMMUNITION FIBER PA55		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	6,733	33.43	Y		
CONTAINER AMMUNITION FIBER PA55		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	3,699	79.17	Y		
*CONTAINER AMMUNITION FIBER PA55		2023	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	ROCK ISLAND ARSENAL, IL	Oct 2022	Oct 2022	134,163	72.00	N		
M67 PROP CHARGE		2023	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2023	Jun 2024	96,443	218.81	Y		
M67 PROP CHARGE		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Jun 2025	68,678	86.00	Y		
M67 PROP CHARGE		2025	GEN DYNAMICS ORD & TAC SYS - / LE GARDEUR, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Jul 2026	37,730	265.33	Y		
*PRIMER PERCUSSION M28B2		2023	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	PICATINNY ARSENAL, NJ	Oct 2022	Oct 2022	100,000	28.97	N		
*M67 PROP CHARGE		2023	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	PICATINNY ARSENAL, NJ	Oct 2022	Oct 2022	67,605	219.00	N		
PRIMER PERCUSSION M28B2		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2023	Aug 2024	64,048	28.97	Y		
PRIMER PERCUSSION M28B2		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	68,678	25.61	Y		
PRIMER PERCUSSION M28B2		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	37,730	26.32	Y		
BOX, PACKING AMMO		2023	KAIYUH SERVICES, LLC / SPARTA, WI	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	103,970	39.87	Y		
BOX, PACKING AMMO		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	33,666	69.86	Y		
BOX, PACKING AMMO		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	Nov 2026	18,495	71.82	Y		
WOODEN PALLETS		2023	MCALESTER ARMY AMMUNITION / MCALESTER, OK	PO	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	30,240	130.80	Y		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types	<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types										<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 470195																																			
	1	2023	ARMY	160.831	.000	160.831				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160.831					
	1	2024	ARMY	67.332	.000	67.332																								67.332					
	1	2025	ARMY	36.991	.000	36.991																								36.991					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types										<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 470195																																			
1	2023	ARMY	160.831	.000	160.831	-	-	-	10.000	12.331	13.850	13.850	13.850	13.850	13.850	13.850	13.850	13.850	13.850	13.850										.000					
1	2024	ARMY	67.332	.000	67.332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.200	11.200	11.200	11.200	11.200	11.332	.000						
1	2025	ARMY	36.991	.000	36.991						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.991							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types										<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P

LOAD, ASSEMBLE, PACK (LAP)

Prior Years Deliveries: 470195																													
1	2023	ARMY	160.831	160.831	.000																								.000
1	2024	ARMY	67.332	67.332	.000																								.000
1	2025	ARMY	36.991	.000	36.991	-	-	-	-	-	10.000	10.000	10.000	6.991														.000	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types
		<b>Item Number / Title [DODIC]:</b> E21501 / CTG, 105mm ARTY HE, M1 w/ o Fuze [C445]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BLUE GRASS ARMY DEPOT (BGAD) - RICHMOND, KY	10,000	12,000	24,000	6	6	24	30	6	6	24	30

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 0530E15101 / Artillery Cartridges, 75MM & 105MM, All Types	<b>Item Number / Title [DODIC]:</b> E22002 / CTG, ARTY, 105MM SMOKE HC M84 W/O FUZE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		0.489	-	-	1.309	-	1.309
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		0.489	-	-	1.309	-	1.309
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>0.489</b>	-	-	<b>1.309</b>	-	<b>1.309</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	-	-	-	1.309	-	-	-	-	-	1.309
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>1.309</b>	-	-	-	-	-	<b>1.309</b>
Support - System Engineering Cost																		
System Engineering	-	-	0.489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Engineering Cost</i>	-	-	<b>0.489</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>0.489</b>	-	-	-	-	-	-	-	-	<b>1.309</b>	-	-	-	-	-	<b>1.309</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** 123

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,625.451	1,746.937	150.839	171.657	-	171.657	238.959	284.488	269.396	272.437	-	5,760.164
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,625.451	1,746.937	150.839	171.657	-	171.657	238.959	284.488	269.396	272.437	-	5,760.164
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,625.451</b>	<b>1,746.937</b>	<b>150.839</b>	<b>171.657</b>	<b>-</b>	<b>171.657</b>	<b>238.959</b>	<b>284.488</b>	<b>269.396</b>	<b>272.437</b>	<b>-</b>	<b>5,760.164</b>

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

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

**Description:**

SSN E26900 / PROJ, 155mm ARTY VL ILLUM, M485 / M1124 Series is a new start within the ARTILLERY PROJECTILE, 155MM, All Types program in FY 2025

E89500 ARTILLERY PROJECTILE, 155MM ALL TYPES

A portion of this budget line is directly aligned to Army Long Range Precision Fire Modernization Priorities.

(E26900) PROJ, ARTY, 155MM VL ILLUM M1124

The 155mm M1124 Visual Light (VL) Illumination Projectile is fired from 155mm howitzers and is used to illuminate the battlefield to a maximum range of 22.5 kilometers. The M1124 utilizes projectile bodies generated from an on-going M483 Dual Purpose Improved Conventional Munition (DPICM) demilitarization program and leverages the payload contained in the M485A2 VL Illuminating Projectile. The M1124 contains a Canister Loading Assembly, Expulsion Charge, and numerous spacers. The Canister Loading Assembly consists of a Visual Light (VL) Illuminating Candle, Main Parachute, Drogue Parachute, Delay, and Secondary Expulsion Charge. The outer shell of the canister is fitted with three longitudinal fins. The projectile uses an M762 series Electronic Time Fuze. When the fuze functions, the primary expelling charge ignites, forcing the drogue parachute and canister assembly against the base plate, rupturing the base pins and expelling the canister and parachute. The drogue parachute then deploys and the canister fins extend. The expelling charge also ignites the delay element in the canister nose. The delay element ignites the secondary expelling charge within the canister after 6.5 - 9 seconds, igniting the candle and expelling the main parachute. With the main parachute open, the illumination candle descends at 15 feet per second and burns for 75 seconds minimum producing approximately 1,000,000 candlepower. This item is Code A, approved for service use.

(E26904) PROJ, ARTY, 155MM VL ILLUM M1123

The 155mm M1123 Infra Red (IR) Illumination Projectile is fired from 155mm howitzers and is used with night vision devices to illuminate the battlefield to a maximum range of 22.5 kilometers. The M1123 utilizes projectile bodies generated from an on-going M483 Dual Purpose Improved Conventional Munition (DPICM) demilitarization program and leverages the payload contained in the M1066 IR Illuminating Projectile. The M1123 contains a Canister Loading Assembly, Expulsion Charge, and numerous spacers. The Canister Loading Assembly consists of an Infra-Red (IR) Illuminating Candle, Main Parachute, Drogue Parachute, Delay, and Secondary Expulsion Charge. The outer shell of the canister is fitted with three longitudinal fins. The projectile uses an M762 series Electronic Time Fuze. When the fuze functions, the primary expelling charge ignites, forcing the drogue parachute and canister assembly against the base plate, rupturing the base pins and expelling the canister and parachute. The drogue parachute then deploys and the canister fins extend. The expelling charge also ignites the delay element in the canister nose. The delay element ignites the secondary expelling charge within the canister after 6.5 - 9 seconds, igniting the candle and expelling the main parachute. With the main parachute open, the illumination candle descends at 15 feet per second and burns for 120 seconds minimum. The M1123 provides infrared battlefield illumination that is 2.4 times larger in diameter than the M1124 Visible Light Illumination Round.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 123		
<p>This item is Code A, approved for service use.</p> <p>(E27001) PROJ, ARTY, 155MM HC SMOKE M116 Series The M116 Series base ejection projectile has a hollow steel casing containing four canisters filled with HC (white) smoke composition. These smoke canisters are stacked within the projectile and separated by felt spacers. Upon fuze function, an expelling charge consisting of 0.34 pounds of black powder flashes through the central tube to ignite the smoke canisters, blow off the base and dispenses all smoke canisters. An effective smoke cloud is produced within 30 seconds, and continues for approximately 1.5 minutes. This item is Code A, approved for service use.</p> <p>(E27121) - PROJ, ARTY, 155MM HE RAP XM1210 (formerly XM1113 ER) The XM1210 (formerly XM1113 ER) HE, Rocket Assisted Projectile (RAP) will be optimized for Self-Propelled Howitzer (SPH) weapon systems with cannon lengths greater than or equal to 52-caliber and allow commanders to provide accurate cannon artillery fires at ranges of 70km and greater. The XM1210 incorporates Insensitive Munitions (IM) technologies that reduces vulnerability from unplanned stimuli e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat. The 155mm XM1210 has a high fragmentation steel (HF1) body projectile filled with 12 pounds of IMX104 Explosive fill, PBXN-9 Supplementary Charge, and Meltable Fuze Plug. Extended ranges are achieved with 12 pounds of rocket grain propellant. The projectile is optimized with the next generation precision course correcting fuze. It is used for conventional fire support for harassment and interdiction, fragmentation and blast effect. The XM1210 projectile is employed against personnel, trucks, electronic surveillance and target acquisition devices, supply points, command and control and communications (C3) installations, and mechanized and armored forces. This item is Code B, not approved for service use.</p> <p>(E27603) PROJ, ARTY, 155MM HE IM TRAINING M1122 The 155mm M1122 High Explosive (HE) Projectile is a lower cost HE training round. The M1122 replaced the M804A1 and M107 Projectiles. It utilizes M483A1 DPICM metal parts from ongoing M483A1 demil efforts, is filled with high density concrete to simulate the weight of the M795 HE Projectile, and incorporates several Insensitive Munitions (IM) technologies (IMX-101 explosive fill, PBXN-9 Supplementary Charge, Plastic Fuze Well Liner and Meltable Fuze Plug) to increase survivability and safety. The M1122 replicates the flight characteristics of the M795 HE Projectile with a maximum range of 22.5 kilometers. This item is Code A, approved for service use.</p> <p>(E66501) PROJ, ARTY, 155MM HE RAP XM1113 The XM113 High Explosive (HE), Rocket Assisted Projectile (RAP) is an extended range munition for warfare operations with maximum range of 40 kilometers in 39 caliber weapon systems. The XM1113 incorporates Insensitive Munitions (IM) technologies that reduces vulnerability from unplanned stimuli e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat. The 155mm XM1113 has a high fragmentation steel (HF1) body projectile filled with 12 pounds of IMX104 Explosive fill, PBXN-9 Supplementary Charge, and Meltable Fuze Plug. Extended ranges are achieved with 12 pounds of rocket grain propellant. The projectile can use several different conventional fuzes (impact, mechanical time, electronic time and short intrusion proximity) as well as Precision Guidance Kit (PGK). It is used for conventional fire support for harassment and interdiction, fragmentation and blast effect. The XM1113 projectile is employed against personnel, trucks, electronic surveillance and target acquisition devices, supply points, command and control and communications (C3) installations, and mechanized and armored forces. This item is Code B, not approved for service use.</p> <p>(E66800) PROJ, ARTY, 155MM HE, M795 The M795 High Explosive (HE) Projectile is the primary HE round used for combat operations with maximum range of 22.5 kilometers. The M795 consists of two DODIC variants, the DA54 which incorporates Insensitive Munitions (IM) technologies that reduces vulnerability from unplanned stimuli e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat and the D529 which utilizes a lower cost TNT explosive fill primarily used for training. The 155mm M795 has a high fragmentation steel (HF1) body projectile filled with 23.8 pounds of Explosive fill, and Supplementary Charge. The projectile can use several different fuzes (impact, mechanical time, electronic time and short intrusion proximity). It is used for conventional fire support for harassment and interdiction, fragmentation and blast effect. The M795 projectile is employed against personnel, trucks, electronic surveillance and target acquisition devices, supply points, command and control and communications (C3) installations, and mechanized and armored forces. This item is Code A, approved for service use.</p> <p>(E67800) PROJ, ARTY, 155MM WP SMOKE M825</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 123		
<p>The 155mm WP M825A1 is an improved artillery projectile which produces a ground screening smoke cloud 125-150 meters wide for 5-10 minutes. This smoke screen is produced by burning multiple wedge-shaped pieces of felt saturated with White Phosphorous (WP). The system consists principally of a projectile carrier and canister containing 116 WP felt wedges and a center core burster. Projectile carrier is comprised of an ogive, expulsion charge, modified all steel body, and a one-piece steel dome shaped base. Upon M762/M762A1 Electronic Timing (ET) fuze function, the Expulsion Charge is initiated which simultaneously dispenses the canister and ignites a short delay. This delay provides ample time for canister and projectile body separation prior to functioning of the center core burster which ruptures the canister and disperses 116 WP felt wedges. In less than 45 seconds, a dense and uniform smoke screen is created by burning of the WP. This projectile is shipped with a fusible lifting plug which protects the item during shipping, handling, and storage. This item is Code A, approved for service use.</p> <p>(E67802) PROJ, ARTY, 155MM, HE W/ BASEBLEED M1128 The M1128 Extended Range High Explosive (HE) projectile is intended as a replacement for the M795 projectile as the primary HE round for warfare operations utilizing current 39 caliber weapon systems. The M795 projectile is still required as a training projectile. The M1128 will have a maximum range of 30km compared to 22.5km with current M795 and incorporate Insensitive Munitions (IM) technologies that reduces vulnerability from unplanned stimuli e.g. fire/heat, shock and impact, while maintaining or exceeding the same level of effectiveness in combat. The 155mm M1128 consists of a high fragmentation (HF-1) steel body with a streamlined ogive and a base bleed to reduce drag and extend range. The main payload is 20 pounds of IMX-104. The projectile will be compatible with our conventional fuzes (impact, mechanical time, electronic time, proximity) and Precision Guidance Kit. It will be used for conventional fire support for harassment and interdiction, fragmentation, and blast effect. The M1128 can be employed against personnel, trucks, electronic surveillance and target acquisition devices, supply points, command and control and communications (C3) installations, and mechanized and armored forces. This item is Code B and not approved for service use.</p> <p>(E68604) - PROJ, ARTY, 155MM C-DAEM INCREMENT II The Cannon-Delivered Area Effects Munitions (C-DAEM) Dual Purpose Improved Conventional Munition (DPICM) Replacement (formerly known as C-DAEM Increment II) is one of two 155mm projectiles identified to replace the current Department of Defense (DoD) unexploded ordnance (UXO) policy non-compliant stockpile of 155mm DPICM projectiles. It is a 155mm 39 caliber area effects cargo carrying projectile with maximum range of approximately 18km and will provide U.S. ground forces with a capability to effectively engage area (personnel/soft skinned) targets while denying threat forces full operational freedom within the operational area. C-DAEM DPICM Replacement enables multi-domain operations (MDO) in the Penetration, Dis-integration, and Exploitation phases by providing the combatant commander an additional option of ammunition for field artillery fires. C-DAEM DPICM Replacement is also a key mitigating capability for five Extremely High Risk Capability Needs Analysis (CNA) Gaps. This item is Code B, not approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition

**P-1 Line Item Number / Title:**  
3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types

**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:** 123

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E26900 / PROJ, 155mm ARTY VL ILLUM, M485 / M1124 Series [DA57]		A		- / 347.312	- / -	- / -	- / 0.264	- / -	- / 0.264
P-5	E26904 / PROJ, 155mm ARTY IR ILLUM, M1066 / M1123 Series [DA56]		A		- / 77.406	- / -	- / 0.420	- / -	- / -	- / -
P-5	E27001 / PROJ, 155mm ARTY Smoke, M116 Series [D506]		A		- / 7.925	- / 6.080	- / -	- / -	- / -	- / -
P-5	E27121 / PROJ, 155MM ARTY HE RAP, M1210 [DZ19]	P-5a	B		- / -	- / -	- / 2.932	- / 3.554	- / -	- / 3.554
P-5	E27603 / PROJ, 155mm ARTY HE IM Training, M1122	P-5a	A		- / 227.057	- / 20.345	- / -	- / -	- / -	- / -
P-5	E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]	P-5a, P-21	B		- / 124.236	- / 135.174	- / 26.688	- / 23.363	- / -	- / 23.363
P-5	E66800 / PROJ, 155mm ARTY HE, M795 [D529]	P-5a, P-21	A		- / 1,529.326	- / 800.214	- / 52.787	- / 53.973	- / -	- / 53.973
P-5	E67800 / PROJ, 155mm ARTY WP Smoke, M825 / M825A1 [D528]	P-5a	A		- / 295.228	- / 23.240	- / -	- / -	- / -	- / -
P-5	E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]	P-5a, P-21	B		- / 16.961	- / 761.884	- / 65.512	- / 68.275	- / -	- / 68.275
P-5	E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II	P-5a, P-21	B		- / -	- / -	- / 2.500	- / 22.228	- / -	- / 22.228
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,625.451</b>	<b>- / 1,746.937</b>	<b>- / 150.839</b>	<b>- / 171.657</b>	<b>- / -</b>	<b>- / 171.657</b>

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

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

**Justification:**  
FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$171.657 million supports procurement of 49,393 rounds.

The FY 2023 actuals for base include \$1.537 billion emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E26900) PROJ, ARTY, 155MM VL ILLUM, M485 / M1124  
This is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$0.264 million supports the continuing engineering efforts of the M1124 program. This is a new start in FY 2025.  
TYPE CLASSIFICATION DATE: 1970

(E26904) PROJ, ARTY, 155MM IR ILLUM, M1066 / M1123

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 123		
<p>This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 2009</p> <p>(E27001) PROJ, ARTY, 155MM HC SMOKE M116 Series This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1978</p> <p>(E27121) PROJ, ARTY, 155MM HE RAP M1210 (formerly XM1113 ER) This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 request is Urgent Material Release (UMR) deliveries supporting Increased Range Self-Propelled Howitzer (SPH) weapon systems with cannon lengths greater than or equal to 52-caliber. FY 2025 Total Base dollars in the amount of \$3.554 million supports the procurement of 205 rounds. TYPE CLASSIFICATION: Planned FY 2026</p> <p>(E27603) PROJ, ARTY, 155MM HE IM TRAINING M1122 This is a training unique item not used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 2010</p> <p>(E66501) PROJ, ARTY, 155MM HE RAP XM1113 This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$23.363 million supports the procurement of 1,573 rounds. TYPE CLASSIFICATION: Planned FY 2024</p> <p>(E66800) PROJ, ARTY, 155MM HE, M795 This item is a training standard item used in training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$53.973 million supports the procurement of 31,237 rounds. TYPE CLASSIFICATION DATE: 1982</p> <p>(E67800) PROJ, ARTY, 155MM WP SMOKE M825 This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1982</p> <p>(E67802) PROJ, ARTY, 155MM, HE W/ BASEBLED M1128 This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$68.275 million supports the procurement of 15,062 rounds. This program completed two Multi-Year Procurement contract awards in FY 2023 for FY 2023 through FY 2027 as authorized in the FY 2023 National Defense Authorization Act. TYPE CLASSIFICATION DATE: 2023</p> <p>(E68604) PROJ, ARTY, 155mm C-DAEM INCREMENT II This is a war reserve item used in combat. The FY 2025 request directly supports the Army's requirement to fulfill the Office of Secretary of Defense (OSD) directive to replace Dual Purpose Improved Conventional Munition (DPICM) stockpile. FY 2025 Total Base dollars in the amount of \$22.228 million supports the procurement of 1,316 C-DAEM DPICM Replacement projectiles. TYPE CLASSIFICATION: Planned FY 2025</p>		



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E26900 / PROJ, 155mm ARTY VL ILLUM, M485 / M1124 Series [DA57]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	347.312	-	-	0.264	-	0.264
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	347.312	-	-	0.264	-	0.264
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>347.312</b>	<b>-</b>	<b>-</b>	<b>0.264</b>	<b>-</b>	<b>0.264</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
*WOODEN PALLET, IMX	141.07	956	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOAD, ASSEMBLE, PACK (LAP)	350.23	35,723	12.511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAY ELEMENT, 155MM ILLUM	82.81	36,437	3.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M10 EXPULSION CHARGE ASSEMBLY	24.45	36,437	0.891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE MAIN, 155MM ILLUM	40.17	36,437	1.464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE MAIN SUPPORTS, 155MM ILLUM	6.11	145,750	0.890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE DROGUE ASSEMBLY, 155MM ILLUM	17.80	36,437	0.648	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VL ILLUM CANNISTER	383.30	36,437	13.966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANISTER MPTS ASSY, 155MM ILLUM	66.28	36,437	2.415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANISTER BASE ASSY, 155MM ILLUM	24.45	36,437	0.891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E26900 / PROJ, 155mm ARTY VL ILLUM, M485 / M1124 Series [DA57]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
METAL PARTS SETS	331.19	36,156	11.975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNLOAD, CLEAN AND INSPECT	95.18	37,381	3.558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODEN PALLET, IMX	119.22	3,688	0.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	52.801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	52.801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	1.138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Government Furnished Materials Cost</b>																		
Government Furnished Materials	-	-	-0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	-0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	0.389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	0.389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	293.109	-	-	-	-	-	-	-	-	0.264	-	-	-	-	-	0.264
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	293.109	-	-	-	-	-	-	-	-	0.264	-	-	-	-	-	0.264
<b>Gross/Weapon System Cost</b>	-	-	347.312	-	-	-	-	-	-	-	-	0.264	-	-	-	-	-	0.264

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E26904 / PROJ, 155mm ARTY IR ILLUM, M1066 / M1123 Series [DA56]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	77.406	-	0.420	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	77.406	-	0.420	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>77.406</b>	-	<b>0.420</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP)	326.82	8,858	2.895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL PARTS SETS	278.94	8,858	2.471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANISTER BASE ASSY, 155MM ILLUM	24.44	9,035	0.221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANISTER MPTS ASSY, 155MM ILLUM	59.71	9,035	0.539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IR ILLUM CANNISTER	338.12	9,035	3.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE DROGUE ASSEMBLY, 155MM ILLUM	17.55	9,035	0.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE MAIN SUPPORTS, 155MM ILLUM	5.15	36,141	0.186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARACHUTE MAIN, 155MM ILLUM	38.94	9,035	0.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M10 EXPULSION CHARGE ASSEMBLY	17.12	9,035	0.155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAY ELEMENT, 155MM ILLUM	80.27	9,035	0.725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E26904 / PROJ, 155mm ARTY IR ILLUM, M1066 / M1123 Series [DA56]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
WOODEN PALLET, IMX	95.58	1,152	0.110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	10.868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	10.868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	66.414	-	-	-	-	-	0.420	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	66.414	-	-	-	-	-	0.420	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	77.406	-	-	-	-	-	0.420	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E27001 / PROJ, 155mm ARTY Smoke, M116 Series [D506]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.925	6.080	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	7.925	6.080	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.925</b>	<b>6.080</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP)	980.68	1,050	1.030	1,077.32	2,122	2.286	-	-	-	-	-	-	-	-	-	-	-	-
155MM M1 - M2 SMOKE CANNISTER ASSEMBLY	823.00	1,082	0.890	599.82	2,164	1.298	-	-	-	-	-	-	-	-	-	-	-	-
CASE,PROJECTILE	393.95	1,071	0.422	401.66	2,228	0.895	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	2.342	-	-	4.479	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	2.342	-	-	4.479	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.250	-	-	0.092	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.250	-	-	0.092	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.332	-	-	1.509	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	5.332	-	-	1.509	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>7.925</b>	-	-	<b>6.080</b>	-	-	-	-	-	-	-	-	-	-	-	-

**Remarks:**  
Planned acquisition of this item involves long lead time procurement with a Depot/Arsenal.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E27001 / PROJ, 155mm ARTY Smoke, M116 Series [D506]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E27121 / PROJ, 155MM ARTY HE RAP, M1210 [DZ19]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity ( <i>Units in Each</i> )				-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-	-	2.932	3.554	-	3.554
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-	-	2.932	3.554	-	3.554
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-	-	<b>2.932</b>	<b>3.554</b>	-	<b>3.554</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	11,840.00	98	1.160	12,088.63	205	2.478	-	-	-	12,088.63	205	2.478
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	1.160	-	-	2.478	-	-	-	-	-	2.478
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	1.160	-	-	2.478	-	-	-	-	-	2.478
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	0.525	-	-	-	-	-	0.525
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.525	-	-	-	-	-	0.525
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	1.772	-	-	0.551	-	-	-	-	-	0.551
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	1.772	-	-	0.551	-	-	-	-	-	0.551
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	2.932	-	-	3.554	-	-	-	-	-	3.554

**Remarks:**  
The M1210 is the new nomenclature for the XM1113ER. Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E27121 / PROJ, 155MM ARTY HE RAP, M1210 [DZ19]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / CPFF	Picatinny Arsenal, NJ	May 2024	May 2025	98	11,840.00	N		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	SS / CPFF	PICATINNY ARSENAL, NJ	May 2025	May 2026	205	12,088.63	Y		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E27603 / PROJ, 155mm ARTY HE IM Training, M1122

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	227.057	20.345	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	227.057	20.345	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>227.057</b>	<b>20.345</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	395.93	499,273	197.677	403.85	47,500	19.183	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	197.677	-	-	19.183	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>197.677</b>	-	-	<b>19.183</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	15.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>15.061</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	14.319	-	-	1.162	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>14.319</b>	-	-	<b>1.162</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>227.057</b>	-	-	<b>20.345</b>	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E27603 / PROJ, 155mm ARTY HE IM Training, M1122					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	MCALESTER ARMY AMMUNITION PLANT / MCALESTER, OK	PO	PICATINNY ARSENAL, NJ	Oct 2023	Oct 2025	47,500	403.85	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				124.236	135.174	26.688	23.363	-	23.363
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				124.236	135.174	26.688	23.363	-	23.363
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>124.236</b>	<b>135.174</b>	<b>26.688</b>	<b>23.363</b>	<b>-</b>	<b>23.363</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND XM1113 <sup>(†)</sup>	10,534.40	5,389	56.770	8,902.00	10,776	95.928	11,579.00	1,829	21.178	11,999.10	1,573	18.875	-	-	-	11,999.10	1,573	18.875
<i>Subtotal: Recurring Cost</i>	-	-	56.770	-	-	95.928	-	-	21.178	-	-	18.875	-	-	-	-	-	18.875
Non Recurring Cost																		
Test Hardware	-	-	31.959	-	-	-	-	-	0.810	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	31.959	-	-	-	-	-	0.810	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>88.729</b>	-	-	<b>95.928</b>	-	-	<b>21.988</b>	-	-	<b>18.875</b>	-	-	-	-	-	<b>18.875</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	3.982	-	-	0.791	-	-	1.200	-	-	0.452	-	-	-	-	-	0.452
First Article Test	-	-	2.224	-	-	6.027	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>6.206</b>	-	-	<b>6.818</b>	-	-	<b>1.200</b>	-	-	<b>0.452</b>	-	-	-	-	-	<b>0.452</b>
Support - Non-Recurring Support Cost																		
Facilitization	-	-	13.126	-	-	26.968	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	<b>13.126</b>	-	-	<b>26.968</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	16.175	-	-	5.460	-	-	3.500	-	-	4.036	-	-	-	-	-	4.036

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	16.175	-	-	5.460	-	-	3.500	-	-	4.036	-	-	-	-	-	4.036
<b>Gross/Weapon System Cost</b>	-	-	124.236	-	-	135.174	-	-	26.688	-	-	23.363	-	-	-	-	-	23.363

**Remarks:**

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND XM1113 <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / CPIF	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2026	10,776	8,902.00	Y		
COMPLETE ROUND XM1113 <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / CPIF	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2026	1,829	11,579.00	Y		
COMPLETE ROUND XM1113 <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / CPIF	Picatinny Arsenal, NJ	Mar 2025	Mar 2027	1,573	11,999.10	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2024														Fiscal Year 2025														B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND XM1113																																			
Prior Years Deliveries: 5389																																			
1		2023	ARMY	10.776	.000	10.776																							10.776						
1		2024	ARMY	1.829	.000	1.829																							1.829						
1		2025	ARMY	1.573	.000	1.573																							1.573						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2026														Fiscal Year 2027														B A L A N C E				
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
COMPLETE ROUND XM1113																																						
Prior Years Deliveries: 5389																																						
1	2023	ARMY		10.776	.000	10.776	-	-	-	-	-	-	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.776	.000									
1	2024	ARMY		1.829	.000	1.829	-	-	-	-	-	-	1.000	.829																								.000
1	2025	ARMY		1.573	.000	1.573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000	.573	.000									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E66501 / PROJ, 155mm ARTY HE RAP, XM1113 [DA72]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	500	1,000	1,500	6	6	24	30	6	6	24	30

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

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



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			1,529.326	800.214	52.787	53.973	-	53.973
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			1,529.326	800.214	52.787	53.973	-	53.973
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>1,529.326</b>	<b>800.214</b>	<b>52.787</b>	<b>53.973</b>	<b>-</b>	<b>53.973</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	290.39	1,073,692	311.785	462.61	465,200	215.205	378.98	35,804	13.569	413.36	31,237	12.912	-	-	-	413.36	31,237	12.912
155MM METAL BODY PARTS <sup>(†)</sup>	419.96	642,117	269.661	580.55	481,784	279.701	930.00	36,520	33.964	986.64	31,861	31.435	-	-	-	986.64	31,861	31.435
SUPPLEMENTARY CHARGE PROJECTILE <sup>(†)</sup>	11.93	642,116	7.659	13.11	471,764	6.184	12.49	36,520	0.456	42.48	31,861	1.353	-	-	-	42.48	31,861	1.353
TNT TYPE I FLAKE (TRINITROTOLUENE) <sup>(†)</sup>	-	-	-	7.69	12,836,192	98.710	-	-	-	-	-	-	-	-	-	-	-	-
WOODEN PALLETS	124.42	57,439	7.146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>596.251</i>	-	-	<i>599.801</i>	-	-	<i>47.989</i>	-	-	<i>45.701</i>	-	-	-	-	-	<i>45.701</i>
<b>Subtotal: Hardware Cost</b>	<b>-</b>	<b>-</b>	<b>596.251</b>	<b>-</b>	<b>-</b>	<b>599.801</b>	<b>-</b>	<b>-</b>	<b>47.989</b>	<b>-</b>	<b>-</b>	<b>45.701</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>45.701</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	2.110	-	-	6.834	-	-	0.161	-	-	0.147	-	-	-	-	-	0.147
First Article Test	-	-	-	-	-	2.242	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	<i>-</i>	<i>-</i>	<i>2.110</i>	<i>-</i>	<i>-</i>	<i>9.076</i>	<i>-</i>	<i>-</i>	<i>0.161</i>	<i>-</i>	<i>-</i>	<i>0.147</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.147</i>
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	0.833	-	-	13.309	-	-	-	-	-	-	-	-	-	-	-	-
Facilitization	-	-	240.876	-	-	159.458	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	241.709	-	-	172.767	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	689.256	-	-	9.649	-	-	4.637	-	-	8.126	-	-	-	-	-	8.126
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	689.256	-	-	9.649	-	-	4.637	-	-	8.126	-	-	-	-	-	8.126
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	-	-	-	8.921	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	-	-	-	8.921	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	1,529.326	-	-	800.214	-	-	52.787	-	-	53.973	-	-	-	-	-	53.973

**Remarks:**  
Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2023	Jul 2026	108,999	462.61	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	183,202	462.61	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	GENERAL DYNAMICS ORD & TAC / CAMDEN, AR	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2023	Jun 2026	172,999	462.61	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	35,804	378.98	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	May 2028	31,237	413.36	Y		
155MM METAL BODY PARTS		2023	IMT DEFENSE CORP / WESTERVILLE, OH	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Aug 2025	230,553	580.55	Y		
155MM METAL BODY PARTS		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	132,095	580.55	Y		
155MM METAL BODY PARTS		2023	GENERAL DYNAMICS ORD AND TACT / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2023	Mar 2025	119,136	580.55	Y		
155MM METAL BODY PARTS		2024	GENERAL DYNAMICS ORD AND TACT / SCRANTON, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Aug 2024	Feb 2026	36,520	930.00	Y		
155MM METAL BODY PARTS		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Sep 2026	31,861	986.64	Y		
SUPPLEMENTARY CHARGE PROJECTILE		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	186,824	13.11	Y		
SUPPLEMENTARY CHARGE PROJECTILE		2023	ACCURATE ENERGETIC SYSTEMS, / MC EWEN, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	284,940	13.11	Y		
SUPPLEMENTARY CHARGE PROJECTILE		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	36,520	12.49	Y		
SUPPLEMENTARY CHARGE PROJECTILE		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	31,861	42.48	Y		
TNT TYPE I FLAKE (TRINITROTOLUENE)		2023	PARAMOUNT ENTERPRISES / PHILADELPHIA, PA	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Oct 2024	8,426,960	7.69	Y		
TNT TYPE I FLAKE (TRINITROTOLUENE)		2023	HIGH NOON UNLIMITED / HOLIDAY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Oct 2024	4,409,232	7.69	Y		

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

**Remarks:**  
Pallets are procured as part of the Metal Parts Contract Award.



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025													Fiscal Year 2026													B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
LOAD, ASSEMBLE, PACK (LAP)																																				
Prior Years Deliveries: 1073692																																				
	1	2023	ARMY	108.999	.000	108.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.000	9.000	9.000	81.999
	2	2023	ARMY	183.202	.000	183.202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	183.202
	3	2023	ARMY	172.999	.000	172.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115.331
	1	2024	ARMY	35.804	.000	35.804	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.804
	1	2024	MC <sup>(†)</sup>	7.005	.000	7.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.005	
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>42.809</b>	<b>.000</b>	<b>42.809</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>42.809</b>	
	2	2025	ARMY	31.237	.000	31.237								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.237	
	2	2025	MC <sup>(†)</sup>	6.058	.000	6.058								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.058	
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>37.295</b>	<b>.000</b>	<b>37.295</b>								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>37.295</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army														<b>Date:</b> March 2024																											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37														<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types														<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]													

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027														Fiscal Year 2028														B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 1073692																																			
	1	2023	ARMY	108.999	27.000	81.999	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.999															.000					
	2	2023	ARMY	183.202	.000	183.202	-	-	-	-	-	-	-	-	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.266	15.276		.000					
	3	2023	ARMY	172.999	57.668	115.331	14.417	14.417	14.417	14.417	14.417	14.417	14.417	14.412																.000					
	1	2024	ARMY	35.804	.000	35.804	-	-	-	-	-	-	-	-	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.984	2.980		.000						
	1	2024	MC <sup>(†)</sup>	7.005	.000	7.005	-	-	-	-	-	-	-	.583	.583	.583	.583	.583	.583	.583	.583	.583	.583	.583	.583	.583	.592		.000						
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>42.809</b>	<b>.000</b>	<b>42.809</b>	-	-	-	-	-	-	-	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.567</b>	<b>3.572</b>	-	-	-	<b>.000</b>					
	2	2025	ARMY	31.237	.000	31.237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.603	2.603	2.603	2.603	2.603	18.222			
	2	2025	MC <sup>(†)</sup>	6.058	.000	6.058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.504	.504	.504	.504	.504	3.538			
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>37.295</b>	<b>.000</b>	<b>37.295</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>21.760</b>			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2029													Fiscal Year 2030													BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 O C T 2028	BAL DUE AS OF 1 OCT	Calendar Year 2029													Calendar Year 2030													
							O C T	N O V	D E C	J A N	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			
LOAD, ASSEMBLE, PACK (LAP)																																	
Prior Years Deliveries: 1073692																																	
	1	2023	ARMY	108.999	108.999	.000																								.000			
	2	2023	ARMY	183.202	183.202	.000																								.000			
	3	2023	ARMY	172.999	172.999	.000																								.000			
	1	2024	ARMY	35.804	35.804	.000																								.000			
	1	2024	MC (+)	7.005	7.005	.000																								.000			
	<b>1</b>	<b>2024</b>	<b>Total</b>	<b>42.809</b>	<b>42.809</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>			
	2	2025	ARMY	31.237	13.015	18.222	2.603	2.603	2.603	2.603	2.603	2.603	2.604																	.000			
	2	2025	MC (+)	6.058	2.520	3.538	.504	.504	.504	.504	.504	.504	.514																	.000			
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>37.295</b>	<b>15.535</b>	<b>21.760</b>	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>3.107</b>	<b>3.118</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E66800 / PROJ, 155mm ARTY HE, M795 [D529]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	8,100	16,000	24,000	12	12	36	48	8	8	36	44
2	TO BE SELECTED - TBS01	10,000	35,000	40,000	8	8	36	44	8	8	36	44
3	GENERAL DYNAMICS ORD & TAC - CAMDEN, AR	5,100	10,200	10,200	12	12	36	48	8	8	36	44

(‡) 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 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E67800 / PROJ, 155mm ARTY WP Smoke, M825 / M825A1 [D528]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	295.228	23.240	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	295.228	23.240	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>295.228</b>	<b>23.240</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	591.81	18,608	11.012	743.12	5,100	3.790	-	-	-	-	-	-	-	-	-	-	-	-
*S & A MODULE <sup>(†)</sup>	30.86	19,212	0.593	31.20	5,156	0.161	-	-	-	-	-	-	-	-	-	-	-	-
DELAY ELEMENT <sup>(†)</sup>	105.82	19,212	2.033	179.99	5,202	0.936	-	-	-	-	-	-	-	-	-	-	-	-
155MM SMOKE CANNISTER <sup>(†)</sup>	864.41	19,212	16.607	880.45	5,202	4.580	-	-	-	-	-	-	-	-	-	-	-	-
RETAINERS <sup>(†)</sup>	16.10	19,212	0.309	28.92	5,202	0.150	-	-	-	-	-	-	-	-	-	-	-	-
PROJ BODY 155MM M825 <sup>(†)</sup>	667.61	20,701	13.820	715.83	3,732	2.671	-	-	-	-	-	-	-	-	-	-	-	-
CHARGE ASSEMBLY,EXPULSION <sup>(†)</sup>	23.77	19,212	0.457	27.11	5,202	0.141	-	-	-	-	-	-	-	-	-	-	-	-
PROPELLANT M10 FLAKE .012-.032 <sup>(†)</sup>	-	-	-	280.40	3,785	1.061	-	-	-	-	-	-	-	-	-	-	-	-
SELF SUPPORTING BURSTER ASSEMBLY <sup>(†)</sup>	-	-	-	250.00	18,899	4.725	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	44.832	-	-	18.216	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	44.832	-	-	18.216	-	-	-	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Item Number / Title [DODIC]:</b> E67800 / PROJ, 155mm ARTY WP Smoke, M825 / M825A1 [D528]		

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
First Article Test	-	-	0.472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	245.193	-	-	0.607	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>245.665</b>	-	-	<b>0.607</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	<b>0.018</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Government Furnished Materials Cost</b>																		
Government Furnished Materials	-	-	-0.593	-	-	-0.161	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	<b>-0.593</b>	-	-	<b>-0.161</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	1.424	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	<b>1.424</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.306	-	-	2.701	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>5.306</b>	-	-	<b>2.701</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Recapitalization Cost</b>																		
Recapitalization	-	-	-	-	-	0.454	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Recapitalization Cost</i>	-	-	-	-	-	<b>0.454</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>295.228</b>	-	-	<b>23.240</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

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<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>										<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37				<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E67800 / PROJ, 155mm ARTY WP Smoke, M825 / M825A1 [D528]				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2026	5,100	743.12	Y		
*S & A MODULE		2023	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	PICATINNY ARSENAL, NJ	Oct 2023	Oct 2023	5,156	31.20	N		
DELAY ELEMENT		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2025	5,202	179.99	Y		
155MM SMOKE CANNISTER		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2025	5,202	880.45	Y		
RETAINERS		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2025	5,202	28.92	Y		
PROJ BODY 155MM M825		2023	IMT DEFENSE CORP / WESTERVILLE, OH	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	3,732	715.83	Y		
CHARGE ASSEMBLY,EXPULSION		2023	CRANE ARMY AMMO ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2025	5,202	27.11	Y		
PROPELLANT M10 FLAKE .012-.032		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2024	3,785	280.40	Y		
SELF SUPPORTING BURSTER ASSEMBLY		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2024	Dec 2025	18,899	250.00	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		16.961	761.884	65.512	68.275	-	68.275
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		16.961	761.884	65.512	68.275	-	68.275
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>16.961</b>	<b>761.884</b>	<b>65.512</b>	<b>68.275</b>	-	<b>68.275</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	1,654.78	3,164	5.236	2,321.87	156,073	362.381	1,541.51	16,950	26.129	1,909.62	15,062	28.763	-	-	-	1,909.62	15,062	28.763
METAL PART, M1128 <sup>(†)</sup>	1,185.62	3,575	4.239	1,127.68	176,251	198.755	1,234.21	17,797	21.965	1,258.90	15,815	19.910	-	-	-	1,258.90	15,815	19.910
EXPLOSIVE FILL IMX-104 <sup>(†)</sup>	24.89	82,264	2.048	27.86	3,622,974	100.936	26.13	440,700	11.515	28.95	391,612	11.337	-	-	-	28.95	391,612	11.337
*EXPLOSIVE FILL IMX-104 <sup>(†)</sup>	-	-	-	27.77	136,422	3.788	-	-	-	-	-	-	-	-	-	-	-	-
WOODEN PALLET, IMX <sup>(†)</sup>	143.89	411	0.059	146.77	682	0.100	149.69	2,203	0.330	173.04	1,958	0.339	-	-	-	173.04	1,958	0.339
MELTABLE FUZE PLUG <sup>(†)</sup>	8.57	3,227	0.028	8.56	159,473	1.365	8.91	17,289	0.154	12.18	15,363	0.187	-	-	-	12.18	15,363	0.187
SUPPLEMENTAL CHARGE, PBXN9 <sup>(†)</sup>	24.35	3,227	0.079	24.34	159,473	3.882	25.32	17,289	0.438	31.94	15,363	0.491	-	-	-	31.94	15,363	0.491
<i>Subtotal: Recurring Cost</i>	-	-	<i>11.687</i>	-	-	<i>671.207</i>	-	-	<i>60.531</i>	-	-	<i>61.026</i>	-	-	-	-	-	<i>61.026</i>
<i>Subtotal: Hardware Cost</i>	-	-	<b>11.687</b>	-	-	<b>671.207</b>	-	-	<b>60.531</b>	-	-	<b>61.026</b>	-	-	-	-	-	<b>61.026</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.250	-	-	5.478	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
First Article Test	-	-	4.500	-	-	64.304	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	4.750	-	-	69.782	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
Support - Government Furnished Materials Cost																		
Government Furnished Materials	-	-	-	-	-	-3.788	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	-	-	-	-3.788	-	-	-	-	-	-	-	-	-	-	-	-
Support - Non-Recurring Support Cost																		
Facilitization	-	-	-	-	-	13.373	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	13.373	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.524	-	-	6.550	-	-	4.479	-	-	6.747	-	-	-	-	-	6.747
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.524	-	-	6.550	-	-	4.479	-	-	6.747	-	-	-	-	-	6.747
Support - Undistributed Procurement Cost																		
Undistributed Procurement	-	-	-	-	-	4.760	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	4.760	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>16.961</b>	-	-	<b>761.884</b>	-	-	<b>65.512</b>	-	-	<b>68.275</b>	-	-	<b>-</b>	-	-	<b>68.275</b>

**Remarks:**

This program completed two Multi-Year Procurement contract awards in FY 2023 for FY 2023 through FY 2027 as authorized in the FY 2023 National Defense Authorization Act.

Dollars (\$M) and quantities for this program are:

- FY 2023 \$53.825 Quantity 7,204
- FY 2024 \$65.512 Quantity 16,950
- FY 2025 \$68.139 Quantity 15,161
- FY 2026 \$83.457 Quantity 18,377
- FY 2027 \$83.457 Quantity 17,976

Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.

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

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 37			P-1 Line Item Number / Title: 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types					Item Number / Title [DODIC]: E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	GEN DYNAMICS ARMNT & TECH / MCHENRY, MS	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Mar 2026	69,725	2,329.23	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Mar 2026	86,348	2,329.23	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2024	Nov 2026	16,950	1,541.51	N		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2025	Nov 2027	15,062	1,909.62	Y		
METAL PART, M1128		2023	GEN DYNAMICS ORD & TAC SYS - / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Mar 2025	114,809	1,107.22	Y		
METAL PART, M1128		2023	IMT DEFENSE CORP / WESTERVILLE, OH	C / IDIQ	PICATINNY ARSENAL, NJ	Aug 2023	Feb 2025	61,442	1,107.22	Y		
METAL PART, M1128		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2024	Jun 2025	17,797	1,234.21	Y		
METAL PART, M1128		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2025	Jun 2026	15,815	1,258.90	Y		
EXPLOSIVE FILL IMX-104		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	935,995	27.86	Y		
EXPLOSIVE FILL IMX-104		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	SS / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2025	2,686,979	27.86	Y		
EXPLOSIVE FILL IMX-104		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2026	440,700	26.13	Y		
EXPLOSIVE FILL IMX-104		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	391,612	28.95	Y		
*EXPLOSIVE FILL IMX-104		2023	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	PICATINNY ARSENAL, NJ	Oct 2022	Oct 2022	136,422	27.77	N		
WOODEN PALLET, IMX		2023	KNOX CNTY ASSOC REMARKABLE / VINCENNES, IN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2025	682	146.77	Y		
WOODEN PALLET, IMX		2024	KNOX CNTY ASSOC REMARKABLE / VINCENNES, IN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2025	2,203	149.69	Y		
WOODEN PALLET, IMX		2025	KNOX CNTY ASSOC REMARKABLE / VINCENNES, IN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Feb 2026	1,958	173.04	Y		
MELTABLE FUZE PLUG		2023	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	159,473	8.56	Y		
MELTABLE FUZE PLUG		2024	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	17,289	8.91	Y		
MELTABLE FUZE PLUG		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Aug 2026	15,363	12.18	Y		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SUPPLEMENTAL CHARGE, PBXN9		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	159,473	24.34	Y		
SUPPLEMENTAL CHARGE, PBXN9		2024	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	17,289	25.32	Y		
SUPPLEMENTAL CHARGE, PBXN9		2025	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2025	Aug 2026	15,363	31.94	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army														<b>Date:</b> March 2024															
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024																													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																				
LOAD, ASSEMBLE, PACK (LAP)																																																		
Prior Years Deliveries: 3164																																																		
	2	2023	ARMY	69.725	.000	69.725																								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.725				
	3	2023	ARMY	86.348	.000	86.348																									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.348
	1	2024	ARMY	16.950	.000	16.950																																												16.950
	1	2025	ARMY	15.062	.000	15.062																																												15.062

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]				

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025													Fiscal Year 2026													B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
LOAD, ASSEMBLE, PACK (LAP)																																				
Prior Years Deliveries: 3164																																				
	2	2023	ARMY	69.725	.000	69.725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.500	6.500	6.500	6.500	6.747	5.500	5.500	25.978
	3	2023	ARMY	86.348	.000	86.348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.200	7.200	7.200	7.200	7.200	7.200	7.200	35.948
	1	2024	ARMY	16.950	.000	16.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.950	
	1	2025	ARMY	15.062	.000	15.062																													15.062	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
LOAD, ASSEMBLE, PACK (LAP)																																					
Prior Years Deliveries: 3164																																					
	2	2023	ARMY	69.725	43.747	25.978	5.500	5.478	5.000	5.000	5.000																								.000		
	3	2023	ARMY	86.348	50.400	35.948	7.200	7.200	7.200	7.200	7.148																								.000		
	1	2024	ARMY	16.950	.000	16.950	-	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.418																	.000		
	1	2025	ARMY	15.062	.000	15.062	-	-	-	-	-	-	-	-	-	-	-	-	-	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.255	1.257			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2029															Fiscal Year 2030															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 8	BAL D U E A S O F 1 O C T	Calendar Year 2029															Calendar Year 2030															
							O C T	N O V	D E C	J A N	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							

LOAD, ASSEMBLE, PACK (LAP)																													
Prior Years Deliveries: 3164																													
	2	2023	ARMY	69.725	69.725	.000																							.000
	3	2023	ARMY	86.348	86.348	.000																							.000
	1	2024	ARMY	16.950	16.950	.000																							.000
	1	2025	ARMY	15.062	13.805	1.257	1.257																						.000

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E67802 / PROJ, 155mm ARTY HE-BB, XM1128 [DA70]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	100	500	1,500	8	8	30	38	8	8	24	32
2	GEN DYNAMICS ARMNT & TECH - MCHENRY, MS	4,000	10,000	15,000	12	12	30	42	8	8	24	32
3	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	4,000	10,000	15,000	12	12	30	42	8	8	24	32

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

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types	<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	-	2.500	22.228	-	22.228
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		-	-	2.500	22.228	-	22.228
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		-	-	<b>2.500</b>	<b>22.228</b>	-	<b>22.228</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	14,442.65	1,316	19.007	-	-	-	14,442.65	1,316	19.007
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	19.007	-	-	-	-	-	19.007
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>19.007</b>	-	-	-	-	-	<b>19.007</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	0.111	-	-	-	-	-	0.111
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.111</b>	-	-	-	-	-	<b>0.111</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	2.100	-	-	2.220	-	-	-	-	-	2.220
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	<b>2.100</b>	-	-	<b>2.220</b>	-	-	-	-	-	<b>2.220</b>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	-	-	-	-	-	-	0.400	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	<b>0.400</b>	-	-	-	-	-	-	-	-	-
<b>Support - System Engineering Cost</b>																		
System Engineering	-	-	-	-	-	-	-	-	-	-	-	0.891	-	-	-	-	-	0.891
<i>Subtotal: Support - System Engineering Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.891</b>	-	-	-	-	-	<b>0.891</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II		

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	2.500	-	-	22.228	-	-	-	-	-	22.228

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types				<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	May 2025	May 2027	1,316	14,442.65	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
COMPLETE ROUND																															
1		2025	ARMY	1,316	0	1,316																							1,316		
1		2025	MC (†)	3,390	0	3,390																							3,390		
1		2025	<b>Total</b>	<b>4,706</b>	<b>0</b>	<b>4,706</b>																							<b>4,706</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types										<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2027															Fiscal Year 2028															BALANCE			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCE PT TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
COMPLETE ROUND																																						
1		2025	ARMY	1,316	0	1,316	-	-	-	-	-	-	-	-	316	1,000																						0
1		2025	MC (†)	3,390	0	3,390	-	-	-	-	-	-	-	-	1,500	1,890																					0	
1		2025	<b>Total</b>	<b>4,706</b>	<b>0</b>	<b>4,706</b>	-	-	-	-	-	-	-	-	<b>1,816</b>	<b>2,890</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 3102E89500 / ARTILLERY PROJECTILE, 155MM, All Types
		<b>Item Number / Title [DODIC]:</b> E68604 / PROJ, ARTY, 155MM C-DAEM INCREMENT II

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	1,000	5,000	10,000	8	8	24	32	8	8	24	32

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

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

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

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	854	357	172	-	172	791	959	921	1,127	-	5,181
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	731.046	96.406	71.426	-	71.426	134.337	140.975	174.842	210.969	-	1,560.001
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	731.046	96.406	71.426	-	71.426	134.337	140.975	174.842	210.969	-	1,560.001
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>731.046</b>	<b>96.406</b>	<b>71.426</b>	-	<b>71.426</b>	<b>134.337</b>	<b>140.975</b>	<b>174.842</b>	<b>210.969</b>	-	<b>1,560.001</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	856.026	270.045	415.267	-	415.267	169.832	147.002	189.839	187.195	-	301.100

**Description:**

The Precision Artillery Munitions funding lines support programs of interest aligned to the Army's Cannon Modernization Strategy.

This budget line item includes the Excalibur and Cannon-Delivered Area Effects Munitions (C-DAEM) Armor munitions.

(F90111) Excalibur is a Precision Guided Extended Range 155mm Artillery projectile providing Brigade Combat Teams an organic precision fires capability. Excalibur is currently fielded and in use. Excalibur is an International Cooperative Development program, teamed with the Kingdom of Sweden (KoS), which contributed resources towards the development in accordance with an established Project Agreement. Excalibur provides improved fire support capability due to its increased range of 40.5 kilometers from the current 39 caliber systems (M777A2 Lightweight 155mm Howitzer (LW155), the M109A6 Paladin Howitzer, the M109A7 Paladin PIM Howitzer and the Swedish Archer Howitzer) and demonstrated 70 kilometers from the 58-caliber XM1299 Extended Range Cannon Artillery (ERCA) Self Propelled Howitzer (SPH). The projectile has a demonstrated accuracy of less than 2 meters radial miss distances, which enables a first round effect on target reducing the number of rounds required while reducing collateral damage. Excalibur Shaped Trajectory configuration enables user defined angle of attack and angle of fall to maximize effect on target. Excalibur is resistant to Global Positioning System (GPS) jamming. Due to its mature compartmented design configuration, Excalibur has significant upgrade potential and provides growth opportunities to support the Army's Cannon Modernization Strategy range and lethality requirements.

This item is Code A, approved for service use.

(F90112) Cannon-Delivered Area Effects Munitions (C-DAEM) Armor is one of two 155mm projectiles identified to replace the current Department of Defense (DoD) unexploded ordnance (UXO) policy non-compliant stockpile of 155mm Dual Purpose Improved Conventional Munition (DPICM) projectiles. It is a 155mm cannon munition designed to address the cannon artillery area targets, from light to heavy armor, whether precisely or imprecisely located, moving or moved. C-DAEM Armor will provide U.S. ground forces with a capability to effectively engage, destroy, neutralize, and/or suppress threat formations. The projectile provides a hit-to-kill capability, enabling it to effectively engage area and point armored/mechanized targets at extended ranges. The projectile also includes a seeker, shape charged warhead, and Military Code (M-Code) GPS to provide an anti-armor capability out to 70km and beyond while maintaining compatibility with the existing inventory of 155mm platforms. This program has a long-term strategy for integrating increased capability, such as a datalink for round-to-round communications and inflight targeting updates and increased range.

This item is Code B, not approved for service use.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition

**P-1 Line Item Number / Title:**  
6635F90100 / PRECISION ARTILLERY MUNITIONS

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL	P-5a, P-21	A		- / -	854 / 731.046	107 / 38.918	167 / 60.108	- / -	167 / 60.108
P-5	F90112 / PROJ, ARTY, 155MM C-DAEM ARMOR	P-5a	B		- / -	- / -	250 / 57.488	5 / 11.318	- / -	5 / 11.318
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	<b>854 / 731.046</b>	<b>357 / 96.406</b>	<b>172 / 71.426</b>	- / -	<b>172 / 71.426</b>

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

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

**Justification:**  
The FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$71.426 million supports the procurement of 167 Excalibur lb projectiles and 5 C-DAEM Armor projectiles in support of fielding an Early Operational Capability (EOC).

FY 2023 actuals for base include \$574.675 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(F90111) Projectile 155mm Extended Range M982 Excalibur  
This is a critical munition and war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base Procurement dollars in the amount of \$60.108 million supports the procurement of 167 lb projectiles.  
TYPE CLASSIFICATION DATE: May 2014

(F90112) PROJ, ARTY, 155mm C-DAEM ARMOR  
This is a war reserve item used in combat. The FY 2025 request builds Early Operational Capability (EOC) quantities of the selected C-DAEM Armor solution in FY 2022. FY 2025 Base Procurement dollars in the amount of \$11.318 million supports the procurement of 5 projectiles.  
TYPE CLASSIFICATION DATE: Planned FY 2027

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS
		<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	854	107	167	-	167
Gross/Weapon System Cost (\$ in Millions)				-	731.046	38.918	60.108	-	60.108
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	731.046	38.918	60.108	-	60.108
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>731.046</b>	<b>38.918</b>	<b>60.108</b>	-	<b>60.108</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	856.026	363.720	359.928	-	359.928

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	75.259	7,413	557.895	278.444	107	29.793	295.145	167	49.289	-	-	-	295.145	167	49.289
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	557.895	-	-	29.793	-	-	49.289	-	-	-	-	-	49.289
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	<b>557.895</b>	-	-	<b>29.793</b>	-	-	<b>49.289</b>	-	-	-	-	-	<b>49.289</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	6.029	-	-	0.150	-	-	0.150	-	-	-	-	-	0.150
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	<b>6.029</b>	-	-	<b>0.150</b>	-	-	<b>0.150</b>	-	-	-	-	-	<b>0.150</b>
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	-	-	-	150.476	-	-	2.100	-	-	2.181	-	-	-	-	-	2.181
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	<b>150.476</b>	-	-	<b>2.100</b>	-	-	<b>2.181</b>	-	-	-	-	-	<b>2.181</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	15.992	-	-	6.224	-	-	7.838	-	-	-	-	-	7.838
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<b>15.992</b>	-	-	<b>6.224</b>	-	-	<b>7.838</b>	-	-	-	-	-	<b>7.838</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	0.654	-	-	0.650	-	-	0.650	-	-	-	-	-	0.650

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS	<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.654	-	-	0.650	-	-	0.650	-	-	-	-	-	0.650
<b>Gross/Weapon System Cost</b>	-	-	-	856.026	854	731.046	363.720	107	38.918	359.928	167	60.108	-	-	-	359.928	167	60.108

**Remarks:**

The Excalibur hardware contract unit pricing each year is based on a linear pricing curve with decreasing prices for higher quantities. It is a sliding scale with lower unit costs as quantities increase and higher unit costs as quantities decrease.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS				<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	RAYTHEON MISSILE SYSTEMS CO / TUCSON, AZ	Option / FFP	PICATINNY ARSENAL, NJ	Jan 2023	Dec 2024	7,413	75.259	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	RAYTHEON MISSILE SYSTEMS CO / TUCSON, AZ	Option / FFP	PICATINNY ARSENAL, NJ	Jan 2024	Dec 2025	107	278.444	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	RAYTHEON MISSILE SYSTEMS CO / TUCSON, AZ	Option / FFP	PICATINNY ARSENAL, NJ	Dec 2024	Nov 2026	167	295.145	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS										<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023														Fiscal Year 2024														B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
1		2023	ARMY	7,413	0	7,413				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,413						
1		2024	ARMY	107	0	107																							107						
1		2025	ARMY	167	0	167																							167						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS										<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
COMPLETE ROUND																																		
1	2023	ARMY		7,413	0	7,413	-	-	24	641	641	641	731	731	731	731	731	631	631	549									0					
1	2024	ARMY		107	0	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	95							0					
1	2025	ARMY		167	0	167			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS										<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027													Fiscal Year 2028													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
1		2023	ARMY	7,413	7,413	0																							0				
1		2024	ARMY	107	107	0																							0				
1		2025	ARMY	167	0	167	-	12	80	75																		0					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS	<b>Item Number / Title [DODIC]:</b> F90111 / PROJ, ARTY, 155MM EXT RANGE M982A1 EXCAL

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	RAYTHEON MISSILE SYSTEMS CO - TUCSON, AZ	40	200	400	12	6	12	18	12	3	23	26

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>													<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37						<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS						<b>Item Number / Title [DODIC]:</b> F90112 / PROJ, ARTY, 155MM C-DAEM ARMOR						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>	
Procurement Quantity ( <i>Units in Each</i> )				-		-			250			5			-		5	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-		-			57.488			11.318			-		11.318	
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-		-			57.488			11.318			-		11.318	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-		-			<b>57.488</b>			<b>11.318</b>			-		<b>11.318</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )				-		-			229.952			2,263.600			-		2,263.600	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	184.324	250	46.081	148.010	5	0.740	-	-	-	148.010	5	0.740
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	46.081	-	-	0.740	-	-	-	-	-	0.740
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	46.081	-	-	0.740	-	-	-	-	-	0.740
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	-	-	-	2.040	-	-	4.162	-	-	-	-	-	4.162
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	2.040	-	-	4.162	-	-	-	-	-	4.162
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	5.600	-	-	5.600	-	-	-	-	-	5.600
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	-	-	-	5.600	-	-	5.600	-	-	-	-	-	5.600
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	3.767	-	-	0.816	-	-	-	-	-	0.816
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	3.767	-	-	0.816	-	-	-	-	-	0.816
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	229.952	250	57.488	2,263.600	5	11.318	-	-	-	2,263.600	5	11.318

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS	<b>Item Number / Title [DODIC]:</b> F90112 / PROJ, ARTY, 155MM C-DAEM ARMOR

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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**Remarks:**  
The C-DAEM Armor hardware contract unit price will decrease as quantities increase. Current pricing is based on initial hardware builds that does not incorporate full rate production learning curves, resulting in overall higher unit costs for Early Operational Capability (EOC) projectiles.

\$5.600 million will support Engineering Change Proposals identified for projectile design, margins, materials, fabrication processes, testing and yield deficiencies as the design and manufacturing processes stabilize during the first few years of production.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 6635F90100 / PRECISION ARTILLERY MUNITIONS					<b>Item Number / Title [DODIC]:</b> F90112 / PROJ, ARTY, 155MM C-DAEM ARMOR				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS02	TBD	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2027	250	184.324	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2025	May 2027	5	148.010	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,354.692	1,620.995	172.947	160.479	-	160.479	160.747	300.879	316.716	319.881	-	6,407.336
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,354.692	1,620.995	172.947	160.479	-	160.479	160.747	300.879	316.716	319.881	-	6,407.336
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,354.692</b>	<b>1,620.995</b>	<b>172.947</b>	<b>160.479</b>	<b>-</b>	<b>160.479</b>	<b>160.747</b>	<b>300.879</b>	<b>316.716</b>	<b>319.881</b>	<b>-</b>	<b>6,407.336</b>

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

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

**Description:**

(E27501) Artillery Propellants, Fuzes and Primers, All Types.  
A portion of this funding line is directly aligned to Army Cannon Modernization Priorities.

(E27319) M119 RED BAG PROPELLING CHARGE  
The M119 Propelling Charge is a "High Zone" red bag charge for firing in 155mm Howitzers containing M185 and M199 cannon tubes. It is a single increment charge and contains 20.9 pounds of M6 propellant, lead foil, flash reducer and a base igniter pad comprised of Clean Burning Ignitor (CBI) powder and a center spot of black powder. It is designed to achieve ranges from 10 to 18 kilometers. This item is Code A, approved for service use.

(E27502) ARTY, 155MM PROP CHG, MACS M231 SERIES  
The Modular Artillery Charge System (MACS), M231 "Low Zone" is intended for use with all US 155mm cannon field artillery systems in use and development. The M231 is a "low-zone" increment designed to achieve ranges from 3.0 to 12 kilometers. Each MACS increment includes propellant, an ignition system, and a combustible case. Packaging permits long-term storage and helps protect the items from unplanned stimuli. This item is Code A, approved for service use.

(E62208) ARTY, FUZE PD M739A1  
The M739A1 Point Detonating (PD) and Delay Fuze is the Army's preferred, primary fuze for 105mm and 155mm projectiles to address point detonating/delay artillery functions. The M739A1 fuze contains an Impact Delay Module (IDM) assembly. The IDM provides fuze initiation delay based upon the completion of mechanical actions caused by projectile deceleration and will function immediately after passing through the target. This item is Code A, approved for service use.

(E62319) FUZE, 155MM ARTY ELECTRIC TIME (ET), M767 SERIES  
The M767 Electric Time (ET) Fuze is used with the 105mm and 155mm carrying bursting projectiles. The M767A1 ET Fuze is a boosted version of the M762A1 ET Fuze. The M767A1 has dual setting capability (1) hand set without need for any tool, and (2) remote inductive setting for higher rates of fire. In addition to US requirements, the Fuze will also comply with NATO Rationalization, Standardization, and Interoperability (RSI) agreements for artillery weapon systems. The fuze utilizes a quartz crystal for its time base providing greater accuracy without increased cost. Because of the faster and easier setting

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>methods, employment of the M767A1 Fuze results in fewer setting errors the M767 Fuze as well as over the M582A1 Mechanical Time Super Quick (MTSQ) Fuze, which it replaced. The M767A1 Fuze is also considerably more accurate than the MTSQ, especially over extended ranges. This item is code A, approved for service use.</p> <p>(E63000), PRIMER, 155MM ARTY PERCUSSION, M82 SERIES The M82 Percussion Primer is intended for use with all United States 155mm cannon field artillery systems. The M82 Series Percussion Primer is used to initiate the burning of propellant charges and consists of a cylindrical brass case with an extraction flange, which contains a base plunger, an ignition element which contains Primer #34 and a container loaded with 22 grains of black powder. This item is Code A, approved for service use.</p> <p>(E99250) ARTY, FUZE, PRECISION GUIDANCE KIT (PGK) The Precision Guidance Kit (PGK) is a course correcting fuze that provides precision accuracy and efficiency for 155mm M795 and M549A1 High Explosive (HE) projectiles by eliminating a portion of the inherent errors associated with ballistic firing solutions which effectively reduces the number of projectiles required to execute fire missions. PGK utilizes a Global Positioning System (GPS) receiver and internal Guidance and Navigation Computer to accomplish its mission with point detonating and proximity fuzing functions. PGK is compatible with the M777A2 Lightweight 155mm Howitzer (LW155), the M109A6 Paladin Howitzer, and the M109A7 Paladin PIM Howitzer. The PGK M1156A1 will be compatible with M1128 and XM1113 projectiles as well as adding M-Code capability. PGK supports the Army's Cannon Modernization Strategy and future 155mm projectiles. This item is Code A, approved for service use.</p> <p>(E99251) ARTY, FUZE, 155mm Long Range-Precision Guidance Kit The Long Range-Precision Guidance Kit (LR-PGK) effort is the next generation precision course correcting fuze which will have superior performance capabilities to meet current and future threats. The precision course correction fuze provides accuracy and effectiveness at extended ranges, is compatible with the Military Code (M-Code) Global Positioning System (GPS) Receiver and is capable in a GPS jammed environment. The fuze is compatible with legacy and new 155mm projectiles, propulsion systems, and Self-Propelled Howitzer (SPH) weapon systems with cannon lengths greater than or equal to 52-caliber. The fuze will also be compatible with legacy 39-caliber weapon systems and munitions. This item is Code B, not approved for service use.</p> <p>(E99350) ARTY, 155mm SUPERCHARGE The Supercharge is a top-zone 155 millimeter (mm) propelling charge required to achieve maximum range requirements from the Self-Propelled Howitzer (SPH) weapon systems with cannon lengths greater than or equal to 52-caliber. It achieves lethality overmatch out to 70 kilometers (km) with new extended range projectiles and increases range with compatible legacy projectiles up to thirty percent. Supercharge is a bag variant that is fired with the tactical variant stub charge. This item is Code B, not approved for service use.</p> <p>(E99360) ARTY, 155mm STUBCHARGE The Stub Charge consists of stub case plus propellant inside a combustible case. The Stub Charge is required to fire Modular Artillery Charge System (MACS) propellant at charges 1T, 2T, 3T, 4T, 2Z, 3Z &amp; 4Z from M908 Extended Range Cannon with slide-block breach. Legacy MACS requires the Stub Charge to operate with increased pressures as a result of the slide-block breach architecture design. This is new to 155mm artillery and provides pressure seal and ignition when firing MACS from Self-Propelled Howitzer (SPH) weapon systems with cannon lengths greater than or equal to 52-caliber. The Stub Charge has two variants, a training variant that has less propellant and allows for home station training out of SPH using conventional MACS and a tactical variant that is used with the Supercharge for operational use and for live fire training at charges 9ZA &amp; 9ZB. This item is Code B, not approved for service use.</p> <p>(E99909) ARTY, FUZE MOFA M782 SERIES The Multi-Option Fuze for Artillery (MOFA) is compatible with all bursting ammunition fired from all 105mm and 155mm cannon systems including M119, M109, and M777 series firing platforms and cannon assemblies. The MOFA provides proximity, precision time, delay and impact functions in a single fuze. The inductive fuze set feature optimizes MOFA for use with automated ammunition handling equipment. The MOFA combines proven subassemblies such as the safe and arm device with reserve batteries and a proximity sensor technology to affordably achieve enhanced performance, predictability, and safety.</p>		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

This item is Code A, approved for service use.

(ER8021) ARTY, 155MM PROP CHG, MACS M232 SERIES

The Modular Artillery Charge System (MACS) M232 "High Zone" is intended for use with all United States 155mm cannon field artillery systems. The M232 "High Zone" increment is designed to achieve ranges from 10 to 40 kilometers. Each MACS increment includes propellant, an ignition system, and a combustible case. Performance enhancing additives are included in the M232 "High Zone" increment. Packaging permits long-term storage and helps protect the items from unplanned stimuli.

This item is Code A, approved for service use.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition **P-1 Line Item Number / Title:** 8750E27501 / Artillery Propellants, Fuzes and Primers, All

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E27319 / M119 RED BAG PROPELLING CHARGE	P-5a			- / -	- / 555.291	- / -	- / -	- / -	- / -
P-5	E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]	P-5a, P-21	A		- / 333.702	- / 11.746	- / 45.016	- / 45.745	- / -	- / 45.745
P-5	E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]	P-5a, P-21	A		- / 415.039	- / 111.925	- / 9.698	- / 8.604	- / -	- / 8.604
P-5	E62319 / FUZE, 155MM ARTY ELECTRONIC TIME (ET), M767 SERIES	P-5a			- / -	- / 76.486	- / -	- / -	- / -	- / -
P-5	E63000 / PRIMER, 155mm ARTY Percussion, M82 Series [N523]	P-5a	A		- / 60.146	- / 6.853	- / -	- / -	- / -	- / -
P-5	E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]	P-5a, P-21	A		- / 1,201.885	- / 69.208	- / 26.016	- / 66.533	- / -	- / 66.533
P-5	E99251 / LONG-RANGE PRECISION GUIDANCE KIT (LR-PGK) [NZ04]	P-5a	B		- / 24.677	- / -	- / 8.248	- / -	- / -	- / -
P-5	E99350 / 155MM ARTILLERY SUPERCHARGE [DZ69]	P-5a			- / 0.010	- / 11.002	- / 16.469	- / -	- / -	- / -
P-5	E99360 / 155MM ARTILLERY STUBCHARGE	P-5a			- / 0.010	- / 5.198	- / 28.194	- / -	- / -	- / -
P-5	E99909 / Multi-Option Fuze, Artillery M782 [NA09]	P-5a, P-21	A		- / 23.653	- / 17.243	- / 19.000	- / 19.088	- / -	- / 19.088
P-5	ER8021 / PROP CHG, 155mm ARTY MACS, M232 Series [DA67]	P-5a	A		- / 1,295.570	- / 756.043	- / 20.306	- / 20.509	- / -	- / 20.509
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 3,354.692</b>	<b>- / 1,620.995</b>	<b>- / 172.947</b>	<b>- / 160.479</b>	<b>- / -</b>	<b>- / 160.479</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life cycle.

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.

FY 2025 Total Base dollars in the amount of \$160.479 million supports the production of 70,389 fuzes and 136,072 propelling charges.

The FY 2023 actuals for base include \$1.477 billion emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E27319) M119 RED BAG PROPELLING CHARGE  
 This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.

(E27502) ARTY, 155MM PROP CHG, MACS M231 Series

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$45.745 million supports the procurement of 80,100 charges. TYPE CLASSIFICATION DATE: 1999</p> <p>(E62208) ARTY, FUZE PD M739 Series This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$8.604 million supports production of 55,662 fuzes. TYPE CLASSIFICATION: 1982</p> <p>(E62319) FUZE, 155MM ARTY ELECTRIC TIME (ET), M767 SERIES This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.</p> <p>(E63000), PRIMER, 155MM ARTY PERCUSSION, M82 SERIES This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.</p> <p>(E99250) ARTY, FUZE, PRECISION GUIDANCE KIT (PGK) This is a critical munition and war reserve item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Total Base dollars in the amount of \$66.533 million supports the production of 7,371 Precision Guidance Kits. TYPE CLASSIFICATION DATE: 2015</p> <p>(E99251) ARTY, FUZE, 155MM LONG RANGE PRECISION GUIDANCE KIT This is a critical munition and war reserve item used in both training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: FY26</p> <p>(E99350) ARTY, 155MM SUPERCHARGE This is a war reserve item used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: FY26</p> <p>(E99360) ARTY, 155MM STUB CHARGE This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: FY26</p> <p>(E99909) ARTY, FUZE MOFA M782 SERIES This is a training standard item used in training and combat. The FY2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY2025 Total Base dollars in the amount of \$19.088 million supports the procurement of 7,356 fuzes. TYPE CLASSIFICATION: 1999</p> <p>(ER8021) ARTY, 155MM PROP CHG, MACS M232 SERIES This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Total Base dollars in the amount of \$20.509 million supports the production of 55,972 charges. This program completed two Multi-Year Procurement contract awards in FY 2023 for FY 2023 through FY 2027 as authorized in the FY 2023 National Defense Authorization Act. TYPE CLASSIFICATION DATE: 2001</p>		

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 37: Artillery Ammunition		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E27319 / M119 RED BAG PROPELLING CHARGE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	555.291	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	555.291	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>555.291</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	1,867.26	242,494	452.799	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	452.799	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	-	-	-	<b>452.799</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	2.600	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	3.450	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	-	-	-	<b>6.050</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	48.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Non-Recurring Support Cost	-	-	-	-	-	<b>48.000</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	4.992	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	-	-	-	<b>4.992</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Undistributed Procurement Cost</b>																		
Undistributed Procurement	-	-	-	-	-	43.448	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E27319 / M119 RED BAG PROPELLING CHARGE
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	43.448	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	555.291	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All					<b>Item Number / Title [DODIC]:</b> E27319 / M119 RED BAG PROPELLING CHARGE				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	GENERAL DYNAMICS ORD & TAC / MARION, IL	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2024	117,750	1,867.26	Y		
COMPLETE ROUND		2023	NAMMO PERRY INC. / PERRY, FL	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2024	117,750	1,867.26	Y		
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	6,994	1,867.26	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			333.702	11.746	45.016	45.745	-	45.745
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			333.702	11.746	45.016	45.745	-	45.745
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>333.702</b>	<b>11.746</b>	<b>45.016</b>	<b>45.745</b>	<b>-</b>	<b>45.745</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	3,989.37	81,120	323.617	242.75	23,040	5.593	170.20	159,956	27.225	359.41	80,100	28.789	-	-	-	359.41	80,100	28.789
COMBUSTIBLE CASES - M231	54.30	83,616	4.540	98.65	23,760	2.344	62.17	164,754	10.243	136.15	82,503	11.233	-	-	-	136.15	82,503	11.233
CONTAINER, M231 <sup>(†)</sup>	97.66	20,916	2.043	107.57	6,482	0.697	121.58	41,588	5.056	124.27	20,825	2.588	-	-	-	124.27	20,825	2.588
IGNITION PROPELLANT, MACS <sup>(†)</sup>	11.21	5,300	0.059	18.09	1,600	0.029	11.96	10,237	0.122	18.86	5,126	0.097	-	-	-	18.86	5,126	0.097
<i>Subtotal: Recurring Cost</i>	-	-	330.259	-	-	8.663	-	-	42.646	-	-	42.706	-	-	-	-	-	42.706
<i>Subtotal: Hardware Cost</i>	-	-	330.259	-	-	8.663	-	-	42.646	-	-	42.706	-	-	-	-	-	42.706
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	1.322	-	-	0.747	-	-	0.306	-	-	0.284	-	-	-	-	-	0.284
First Article Test	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	1.322	-	-	1.247	-	-	0.306	-	-	0.284	-	-	-	-	-	0.284
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	2.121	-	-	1.836	-	-	2.064	-	-	2.755	-	-	-	-	-	2.755
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	2.121	-	-	1.836	-	-	2.064	-	-	2.755	-	-	-	-	-	2.755
<b>Gross/Weapon System Cost</b>	-	-	333.702	-	-	11.746	-	-	45.016	-	-	45.745	-	-	-	-	-	45.745



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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Remarks:</b> Increased cost to labor and materials due to COVID-19 supply chain disturbances and inflation.  (t) indicates the presence of a P-5a		

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All					<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	GENERAL DYNAMICS- OTS, INC. / HAMPTON, AR	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2026	23,040	242.75	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2026	159,956	170.20	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2028	80,100	359.41	Y		
CONTAINER, M231		2024	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	41,588	121.58	Y		
CONTAINER, M231		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	20,825	124.27	Y		
IGNITION PROPELLANT, MACS		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	5,126	18.86	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army				<b>Date:</b> March 2024							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37				<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]			

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

LOAD, ASSEMBLE, PACK (LAP)																													
Prior Years Deliveries: 81120																													
1	2023	ARMY	23.040	.000	23.040																								23.040
2	2024	ARMY	159.956	.000	159.956																								159.956
2	2025	ARMY	80.100	.000	80.100																								80.100
2	2025	MC <sup>(*)</sup>	7.941	.000	7.941																								7.941
2	2025	<b>Total</b>	<b>88.041</b>	<b>.000</b>	<b>88.041</b>																								<b>88.041</b>

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army														<b>Date:</b> March 2024																											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37														<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All														<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]													

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 81120																																			
	1	2023	ARMY	23.040	.000	23.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.040	.000			
	2	2024	ARMY	159.956	.000	159.956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
	2	2025	ARMY	80.100	.000	80.100																									80.100				
	2	2025	MC <sup>(†)</sup>	7.941	.000	7.941																									7.941				
	2	2025	<b>Total</b>	<b>88.041</b>	<b>.000</b>	<b>88.041</b>																									<b>88.041</b>				

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027														Fiscal Year 2028														B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

LOAD, ASSEMBLE, PACK (LAP)																															
Prior Years Deliveries: 81120																															
1	2023	ARMY	23.040	23.040	.000																										.000
2	2024	ARMY	159.956	159.956	.000																										.000
2	2025	ARMY	80.100	.000	80.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.040
2	2025	MC <sup>(*)</sup>	7.941	.000	7.941	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000
2	2025	<b>Total</b>	<b>88.041</b>	<b>.000</b>	<b>88.041</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>32.040</b>

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2029										Fiscal Year 2030										BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2028	BAL DUE AS OF 1 OCT	Calendar Year 2029										Calendar Year 2030										
							O C T	N O V	D E C	J A N	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

LOAD, ASSEMBLE, PACK (LAP)																												
Prior Years Deliveries: 81120																												
	1	2023	ARMY	23.040	23.040	.000																						.000
	2	2024	ARMY	159.956	159.956	.000																						.000
	2	2025	ARMY	80.100	48.060	32.040	8.010	8.010	8.010	8.010																		.000
	2	2025	MC <sup>(*)</sup>	7.941	7.941	.000	-	-	-	-																		.000
	2	2025	<b>Total</b>	<b>88.041</b>	<b>56.001</b>	<b>32.040</b>	<b>8.010</b>	<b>8.010</b>	<b>8.010</b>	<b>8.010</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E27502 / PROP CHG, 155mm ARTY MACS, M231 Series [DA12]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GENERAL DYNAMICS-OTS, INC. - HAMPTON, AR	30,000	50,000	125,000	6	6	36	42	6	6	36	42
2	TO BE SELECTED - TBS01	30,000	60,000	100,000	6	6	36	42	6	6	36	42

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				415.039	111.925	9.698	8.604	-	8.604
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				415.039	111.925	9.698	8.604	-	8.604
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>415.039</b>	<b>111.925</b>	<b>9.698</b>	<b>8.604</b>	-	<b>8.604</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	295.93	1,349,186	399.266	85.02	753,100	64.032	80.21	103,529	8.304	107.00	55.662	5.956	-	-	-	107.00	55,662	5.956
Subtotal: Recurring Cost	-	-	399.266	-	-	64.029	-	-	8.304	-	-	5.956	-	-	-	-	-	5.956
Subtotal: Hardware Cost	-	-	<b>399.266</b>	-	-	<b>64.029</b>	-	-	<b>8.304</b>	-	-	<b>5.956</b>	-	-	-	-	-	<b>5.956</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	6.436	-	-	5.969	-	-	0.424	-	-	0.250	-	-	-	-	-	0.250
First Article Test	-	-	-	-	-	12.800	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>6.436</b>	-	-	<b>18.769</b>	-	-	<b>0.424</b>	-	-	<b>0.250</b>	-	-	-	-	-	<b>0.250</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	9.334	-	-	3.062	-	-	0.970	-	-	2.398	-	-	-	-	-	2.398
Subtotal: Support - Production Engineering Cost	-	-	<b>9.334</b>	-	-	<b>3.062</b>	-	-	<b>0.970</b>	-	-	<b>2.398</b>	-	-	-	-	-	<b>2.398</b>
Support - Undistributed Procurement Cost																		
Undistributed Procurement	-	-	-	-	-	26.065	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Undistributed Procurement Cost	-	-	-	-	-	<b>26.065</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>415.039</b>	-	-	<b>111.925</b>	-	-	<b>9.698</b>	-	-	<b>8.604</b>	-	-	-	-	-	<b>8.604</b>



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Remarks:</b> Increased Unit Costs due to increased labor and material costs resulting from COVID-19 supply chain disturbances and inflation.  (t) indicates the presence of a P-5a		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	ACTION MANUFACTURING COMPANY / BRISTOL, PA	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2026	515,716	85.21	Y		
COMPLETE ROUND <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2027	237,384	85.21	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2027	103,529	80.21	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2028	55,662	107.00	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army			<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]

Cost Elements (Units in Thousands)					Fiscal Year 2023													Fiscal Year 2024												B A L A N C E	
O C C O #	M F R Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 2 2	B A L D U E A S O F 1 O C T	Calendar Year 2023													Calendar Year 2024												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
<b>COMPLETE ROUND</b>																															
Prior Years Deliveries: 1349186																															
1	2023	ARMY	515.716	.000	515.716																								515.716		
2	2023	ARMY	237.384	.000	237.384																								237.384		
2	2024	AFSO (+)	11.031	.000	11.031																								11.031		
2	2024	ARMY	103.529	.000	103.529																								103.529		
2	2024	MC (+)	91.299	.000	91.299																								91.299		
<b>2</b>	<b>2024</b>	<b>Total</b>	<b>205.859</b>	<b>.000</b>	<b>205.859</b>																								<b>205.859</b>		
2	2025	AFSO (+)	6.823	.000	6.823																								6.823		
2	2025	ARMY	55.662	.000	55.662																								55.662		
2	2025	MC (+)	64.138	.000	64.138																								64.138		
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>126.623</b>	<b>.000</b>	<b>126.623</b>																								<b>126.623</b>		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																		<b>Date:</b> March 2024											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025														Fiscal Year 2026														B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
Prior Years Deliveries: 1349186																																			
	1	2023	ARMY	515.716	.000	515.716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.049	476.667			
	2	2023	ARMY	237.384	.000	237.384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	237.384			
	2	2024	AFSO (+)	11.031	.000	11.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.031				
	2	2024	ARMY	103.529	.000	103.529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103.529				
	2	2024	MC (+)	91.299	.000	91.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.299				
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>205.859</b>	<b>.000</b>	<b>205.859</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>205.859</b>				
	2	2025	AFSO (+)	6.823	.000	6.823																									6.823				
	2	2025	ARMY	55.662	.000	55.662																									55.662				
	2	2025	MC (+)	64.138	.000	64.138																									64.138				
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>126.623</b>	<b>.000</b>	<b>126.623</b>																									<b>126.623</b>				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
COMPLETE ROUND																															
Prior Years Deliveries: 1349186																															
	1	2023	ARMY	515.716	39.049	476.667	50.000	50.000	50.000	50.010	50.010	50.010	50.010	50.010	22.715	22.715	31.187													.000	
	2	2023	ARMY	237.384	.000	237.384	-	-	-	-	-	11.409	11.409	11.409	11.409	11.409	11.409	28.155	28.155	28.155	28.155	28.155	28.155							.000	
	2	2024	AFSO (+)	11.031	.000	11.031	-	-	-	-	-	11.031	-	-	-	-													.000		
	2	2024	ARMY	103.529	.000	103.529	-	-	-	-	-	14.560	25.000	25.000	25.000	13.969													.000		
	2	2024	MC (+)	91.299	.000	91.299	-	-	-	-	-	24.409	25.000	25.000	16.890	-													.000		
	<b>2</b>	<b>2024</b>	<b>Total</b>	<b>205.859</b>	<b>.000</b>	<b>205.859</b>	-	-	-	-	-	<b>50.000</b>	<b>50.000</b>	<b>50.000</b>	<b>41.890</b>	<b>13.969</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>		
	2	2025	AFSO (+)	6.823	.000	6.823	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000		
	2	2025	ARMY	55.662	.000	55.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.000	17.500	17.500	5.662	.000		
	2	2025	MC (+)	64.138	.000	64.138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.560	17.500	17.500	16.578	.000		
	<b>2</b>	<b>2025</b>	<b>Total</b>	<b>126.623</b>	<b>.000</b>	<b>126.623</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>34.383</b>	<b>35.000</b>	<b>35.000</b>	<b>22.240</b>	<b>.000</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E62208 / FUZE, 155mm ARTY Point Detonating (PD), M739 Series [N340]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ACTION MANUFACTURING COMPANY - BRISTOL, PA	20,000	35,000	50,000	10	10	36	46	10	10	36	46
2	TO BE SELECTED - TBS01	20,000	35,000	50,000	2	2	36	38	6	6	36	42

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

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E62319 / FUZE, 155MM ARTY ELECTRONIC TIME (ET), M767 SERIES

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	76.486	-	-	-	-
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	76.486	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>76.486</b>	-	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	810.00	76,640	62.078	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	62.078	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	-	-	-	<b>62.078</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	0.360	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Support - Acceptance Testing Cost</b>	-	-	-	-	-	<b>2.360</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	-	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Support - Engineering Change Proposals Cost</b>	-	-	-	-	-	<b>6.000</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	6.048	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Support - Production Engineering Cost</b>	-	-	-	-	-	<b>6.048</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>76.486</b>	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E62319 / FUZE, 155MM ARTY ELECTRONIC TIME (ET), M767 SERIES
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E62319 / FUZE, 155MM ARTY ELECTRONIC TIME (ET), M767 SERIES					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jan 2024	Dec 2025	76,640	810.00	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E63000 / PRIMER,155mm ARTY Percussion, M82 Series [N523]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	60.146	6.853	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	60.146	6.853	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>60.146</b>	<b>6.853</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	81.43	691,094	56.273	29.20	206,110	6.018	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	56.273	-	-	6.018	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>56.273</b>	-	-	<b>6.018</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	1.579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>1.639</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	2.234	-	-	0.816	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>2.234</b>	-	-	<b>0.816</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Undistributed Procurement Cost</b>																		
Undistributed Procurement	-	-	-	-	-	0.019	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Undistributed Procurement Cost	-	-	-	-	-	<b>0.019</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>60.146</b>	-	-	<b>6.853</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E63000 / PRIMER, 155mm ARTY Percussion, M82 Series [N523]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All					<b>Item Number / Title [DODIC]:</b> E63000 / PRIMER, 155mm ARTY Percussion, M82 Series [N523]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	SECURITY SIGNALS INC / CORDOVA, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2023	Jul 2025	144,823	29.20	Y		
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Jan 2026	61,287	29.20	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				1,201.885	69.208	26.016	66.533	-	66.533
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				1,201.885	69.208	26.016	66.533	-	66.533
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>1,201.885</b>	<b>69.208</b>	<b>26.016</b>	<b>66.533</b>	<b>-</b>	<b>66.533</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND <sup>(†)</sup>	7,380.26	131,530	970.726	6,300.66	7,518	47.368	7,732.96	2,312	17.879	7,887.63	7,371	58.140	-	-	-	7,887.63	7,371	58.140
<i>Subtotal: Recurring Cost</i>	-	-	970.726	-	-	47.368	-	-	17.879	-	-	58.140	-	-	-	-	-	58.140
<b>Non Recurring Cost</b>																		
GPS Receiver Obsolescence (M-Code Compliance)	-	-	16.614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Melody II ASIC Chips	-	-	46.447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M762A1 Safe & Arm PBXW14	-	-	10.509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Melody II Qual	-	-	15.969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	89.539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>1,060.265</b>	-	-	<b>47.368</b>	-	-	<b>17.879</b>	-	-	<b>58.140</b>	-	-	-	-	-	<b>58.140</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	22.782	-	-	3.530	-	-	-	-	-	3.500	-	-	-	-	-	3.500
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>22.782</b>	-	-	<b>3.530</b>	-	-	-	-	-	<b>3.500</b>	-	-	-	-	-	<b>3.500</b>
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	56.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	56.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Production Qualification Test	-	-	4.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reliability	-	-	9.567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	13.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	48.725	-	-	18.309	-	-	8.137	-	-	4.893	-	-	-	-	-	4.893
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	48.725	-	-	18.309	-	-	8.137	-	-	4.893	-	-	-	-	-	4.893
<b>Gross/Weapon System Cost</b>	-	-	1,201.885	-	-	69.208	-	-	26.016	-	-	66.533	-	-	-	-	-	66.533

**Remarks:**  
Increased Unit Cost due to increased labor and material costs resulting from COVID-19 supply chain disturbances and inflation.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	7,518	6,300.66	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2024	Sep 2026	2,312	7,732.96	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	NORTHROP GRUMMAN INNOVATION / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2027	7,371	7,887.63	Y		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]				

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															BALANCE		
O C C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
Prior Years Deliveries: 131530																																					
1	2023	ARMY		7,518	0	7,518	-	-	-	-	-	626	626	626	626	626	627	627	627	627	627	627											0				
1	2023	MC (#)		624	0	624	-	-	-	-	-	51	51	51	51	51	51	51	51	51	51	52	62									0					
1	2023	<b>Total</b>		<b>8,142</b>	<b>0</b>	<b>8,142</b>	-	-	-	-	-	<b>677</b>	<b>677</b>	<b>677</b>	<b>677</b>	<b>677</b>	<b>678</b>	<b>678</b>	<b>678</b>	<b>678</b>	<b>679</b>	<b>689</b>	-	-	-	-	-	-	-	-	<b>0</b>						
1	2024	ARMY		2,312	0	2,312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192	2,120						
1	2025	ARMY		7,371	0	7,371						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,371						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
<b>COMPLETE ROUND</b>																																			
Prior Years Deliveries: 131530																																			
1	2023	ARMY		7,518	7,518	0																													0
1	2023	MC (†)		624	624	0																													0
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>8,142</b>	<b>8,142</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2024	ARMY		2,312	192	2,120	192	192	192	192	192	192	194	194	194	194																			0
1	2025	ARMY		7,371	0	7,371	-	-	-	-	-	614	614	614	614	614	614	614	614	614	615	615	615											0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37				<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99250 / FUZE, 155mm ARTY Precision Guidance Kit (PGK) [NA37]				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN INNOVATION - PLYMOUTH, MN	333	1,100	2,500	13	9	27	36	3	6	24	30

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99251 / LONG-RANGE PRECISION GUIDANCE KIT (LR-PGK) [N204]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.677	-	8.248	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	24.677	-	8.248	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>24.677</b>	<b>-</b>	<b>8.248</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	30,962.79	630	19.507	-	-	-	33,568.57	123	4.129	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	19.507	-	-	-	-	-	4.129	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>19.507</b>	-	-	-	-	-	<b>4.129</b>	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.463	-	-	-	-	-	0.354	-	-	-	-	-	-	-	-	-
First Article Test	-	-	1.001	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>1.464</b>	-	-	-	-	-	<b>0.854</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	2.290	-	-	-	-	-	3.265	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>2.290</b>	-	-	-	-	-	<b>3.265</b>	-	-	-	-	-	-	-	-	-
<b>Support - System Engineering Cost</b>																		
System Engineering	-	-	1.416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - System Engineering Cost	-	-	<b>1.416</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>24.677</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8.248</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99251 / LONG-RANGE PRECISION GUIDANCE KIT (LR-PGK) [NZ04]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99251 / LONG-RANGE PRECISION GUIDANCE KIT (LR-PGK) [NZ04]					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2024	Northrup Grumman Defense System (NGDS) / Plymouth, MN	Option / CPFF	PICATINNY ARSENAL, NJ	Sep 2024	Aug 2025	123	33,568.57	Y	Feb 2021	

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99350 / 155MM ARTILLERY SUPERCHARGE [DZ69]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.010	11.002	16.469	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.010	11.002	16.469	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.010</b>	<b>11.002</b>	<b>16.469</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
155MM ARTILLERY SUPERCHARGE XM655E1-B <sup>(†)</sup>	-	-	-	-	-	-	298.73	5,842	1.745	-	-	-	-	-	-	-	-	-
155MM ARTILLERY SUPERCHARGE XM655E1-A <sup>(†)</sup>	-	-	-	-	-	-	1,853.50	6,905	12.798	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	14.544	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	14.544	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	-	-	-	9.897	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	9.897	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.010	-	-	1.105	-	-	1.725	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.010	-	-	1.105	-	-	1.725	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99350 / 155MM ARTILLERY SUPERCHARGE [DZ69]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	0.010	-	-	11.002	-	-	16.469	-	-	-	-	-	-	-	-	-

**Remarks:**  
Increased Unit Costs due to increased labor and material costs resulting from COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99350 / 155MM ARTILLERY SUPERCHARGE [DZ69]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
155MM ARTILLERY SUPERCHARGE XM655E1-B		2024	GD MARION / MARION, IL	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	5,842	298.73	Y		
155MM ARTILLERY SUPERCHARGE XM655E1-A		2024	GD MARION / MARION, IL	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	6,905	1,853.50	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E99360 / 155MM ARTILLERY STUBCHARGE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		0.010	5.198	28.194	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		0.010	5.198	28.194	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		<b>0.010</b>	<b>5.198</b>	<b>28.194</b>	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
155MM ARTILLERY STUBCHARGE XM660 <sup>(†)</sup>	-	-	-	-	-	-	1,877.59	11,268	21.157	-	-	-	-	-	-	-	-	-
155MM ARTILLERY STUBCHARGE, XM659 <sup>(†)</sup>	-	-	-	-	-	-	823.62	6,240	5.139	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	26.296	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	26.296	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Value Engineering	-	-	-	-	-	2.785	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	2.785	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.010	-	-	2.413	-	-	1.748	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.010	-	-	2.413	-	-	1.748	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99360 / 155MM ARTILLERY STUBCHARGE
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	0.010	-	-	5.198	-	-	28.194	-	-	-	-	-	-	-	-	-

**Remarks:**  
Increased Unit Costs due to increased labor and material costs resulting from COVID-19 supply chain disturbances and inflation.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99360 / 155MM ARTILLERY STUBCHARGE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
155MM ARTILLERY STUBCHARGE XM660		2024	GENERAL DYNAMICS MARION / MARION, IL.	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	11,268	1,877.59	Y		
155MM ARTILLERY STUBCHARGE, XM659		2024	GENERAL DYNAMICS MARION / MARION, IL.	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	6,240	823.62	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	23.653	17.243	19.000	19.088	-	19.088
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	23.653	17.243	19.000	19.088	-	19.088
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>23.653</b>	<b>17.243</b>	<b>19.000</b>	<b>19.088</b>	<b>-</b>	<b>19.088</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	2,071.46	8,064	16.704	733.20	11,600	8.505	885.96	19,301	17.100	2,450.39	7,356	18.025	-	-	-	2,450.39	7,356	18.025
Subtotal: Recurring Cost	-	-	16.704	-	-	8.505	-	-	17.100	-	-	18.025	-	-	-	-	-	18.025
Subtotal: Hardware Cost	-	-	<b>16.704</b>	-	-	<b>8.505</b>	-	-	<b>17.100</b>	-	-	<b>18.025</b>	-	-	-	-	-	<b>18.025</b>
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	2.644	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	0.879	-	-	5.738	-	-	-	-	-	0.300	-	-	-	-	-	0.300
Subtotal: Support - Acceptance Testing Cost	-	-	<b>3.523</b>	-	-	<b>5.738</b>	-	-	-	-	-	<b>0.300</b>	-	-	-	-	-	<b>0.300</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.426	-	-	2.000	-	-	1.900	-	-	0.763	-	-	-	-	-	0.763
Subtotal: Support - Production Engineering Cost	-	-	<b>3.426</b>	-	-	<b>2.000</b>	-	-	<b>1.900</b>	-	-	<b>0.763</b>	-	-	-	-	-	<b>0.763</b>
<b>Support - Undistributed Procurement Cost</b>																		
Undistributed Procurement	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Undistributed Procurement Cost	-	-	-	-	-	<b>1.000</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>23.653</b>	<b>-</b>	<b>-</b>	<b>17.243</b>	<b>-</b>	<b>-</b>	<b>19.000</b>	<b>-</b>	<b>-</b>	<b>19.088</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19.088</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

**Remarks:**  
MOFA II costs more than MOFA due to the new proximity sensor technology. The prox sensor is more advanced and provides increased robustness to electronic countermeasures and threat resistance which the current MOFA does not have. The prox sensor also has greater accuracy and implements more heights of burst (previous MOFA only had 1 height of burst, and MOFA II is selectable from 4m, 6m, 8m, 10m, 12m). In addition, the prox sensor is more complex utilizing more electronic components and software. Since COVID, the electronics industry has seen a substantial increase in component pricing (~30% more)

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37			<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All				<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round <sup>(†)</sup>		2023	NORTHROP GRUMMAN SYSTEMS CORP / ROCKET CENTER, WV	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2025	6,600	733.20	Y		
Complete Round <sup>(†)</sup>		2023	TO BE SELECTED / TBS01	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	5,000	733.20	Y		
Complete Round <sup>(†)</sup>		2024	NORTHROP GRUMMAN SYSTEMS CORP / ROCKET CENTER, WV	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	19,301	885.96	Y		
Complete Round <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2027	7,356	2,450.39	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]				

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																
Complete Round																																														
Prior Years Deliveries: 8064																																														
	1	2023	ARMY	6.600	.000	6.600																							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.600		
	2	2023	ARMY	5.000	.000	5.000																																							5.000	
	1	2024	ARMY	19.301	.000	19.301																																							19.301	
	2	2025	ARMY	7.356	.000	7.356																																								7.356



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025													Fiscal Year 2026													BALANCE		
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Complete Round																																	
Prior Years Deliveries: 8064																																	
	1	2023	ARMY	6.600	.000	6.600	-	-	-	-	-	-	-	-	-	-	-	-	2.200	2.200	2.200								.000				
	2	2023	ARMY	5.000	.000	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000	1.000	1.000	1.000	1.000	.000	
	1	2024	ARMY	19.301	.000	19.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.650	9.651			.000		
	2	2025	ARMY	7.356	.000	7.356																								7.356			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37										<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All										<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027												Fiscal Year 2028												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P

Complete Round																														
Prior Years Deliveries: 8064																														
	1	2023	ARMY	6.600	6.600	.000																							.000	
	2	2023	ARMY	5.000	5.000	.000																							.000	
	1	2024	ARMY	19.301	19.301	.000																							.000	
	2	2025	ARMY	7.356	.000	7.356	-	-	-	-	-	-	7.356																	.000

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> E99909 / Multi-Option Fuze, Artillery M782 [NA09]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NORTHROP GRUMMAN SYSTEMS CORP - ROCKET CENTER, WV	2,000	8,000	12,000	6	6	24	30	6	6	24	30
2	TO BE SELECTED - TBS01	2,000	8,000	12,000	6	6	24	30	6	6	24	30

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37		<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All
		<b>Item Number / Title [DODIC]:</b> ER8021 / PROP CHG, 155mm ARTY MACS, M232 Series [DA67]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,295.570	756.043	20.306	20.509	-	20.509
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,295.570	756.043	20.306	20.509	-	20.509
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1,295.570</b>	<b>756.043</b>	<b>20.306</b>	<b>20.509</b>	<b>-</b>	<b>20.509</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	280.19	2,686,718	752.794	54.06	997,890	53.943	49.16	73,634	3.620	63.99	55,972	3.582	-	-	-	63.99	55,972	3.582
PROPELLANT, M31A2 <sup>(†)</sup>	23.08	13,029,765	300.678	22.53	4,764,230	107.338	24.72	354,916	8.774	28.59	269,785	7.713	-	-	-	28.59	269,785	7.713
CONTAINER, M232A1 <sup>(†)</sup>	115.92	554,670	64.297	113.30	206,296	23.373	133.81	15,463	2.069	124.20	11,754	1.460	-	-	-	124.20	11,754	1.460
*IGNITION PROPELLANT, MACS	11.05	20,269	0.224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTG CASE COMBUSTIBLE F/155MM M <sup>(†)</sup>	56.70	2,721,163	154.295	92.14	1,012,064	93.251	59.85	75,843	4.539	108.45	57,651	6.252	-	-	-	108.45	57,651	6.252
IGNITION PROPELLANT, MACS <sup>(†)</sup>	11.39	156,430	1.782	18.09	67,620	1.223	11.96	4,786	0.057	18.86	3,638	0.069	-	-	-	18.86	3,638	0.069
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,274.068</i>	-	-	<i>279.132</i>	-	-	<i>19.059</i>	-	-	<i>19.076</i>	-	-	-	-	-	<i>19.076</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>1,274.068</i>	-	-	<i>279.132</i>	-	-	<i>19.059</i>	-	-	<i>19.076</i>	-	-	-	-	-	<i>19.076</i>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	9.147	-	-	0.416	-	-	0.115	-	-	0.090	-	-	-	-	-	0.090
First Article Test	-	-	0.500	-	-	213.166	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<i>9.647</i>	-	-	<i>213.582</i>	-	-	<i>0.115</i>	-	-	<i>0.090</i>	-	-	-	-	-	<i>0.090</i>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37						<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All						<b>Item Number / Title [DODIC]:</b> ER8021 / PROP CHG, 155mm ARTY MACS, M232 Series [DA67]					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Support - Engineering Change Proposals Cost</b>																		
Engineering Change Proposals	-	-	-	-	-	181.830	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	<b>181.830</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Government Furnished Materials Cost</b>																		
Government Furnished Materials	-	-	0.224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	<b>0.224</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Non-Recurring Support Cost</b>																		
Facilitization	-	-	-	-	-	70.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Non-Recurring Support Cost</i>	-	-	-	-	-	<b>70.000</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	11.610	-	-	2.167	-	-	1.132	-	-	1.341	-	-	-	-	-	1.341
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>11.610</b>	-	-	<b>2.167</b>	-	-	<b>1.132</b>	-	-	<b>1.341</b>	-	-	-	-	-	<b>1.341</b>
<b>Support - Undistributed Procurement Cost</b>																		
Undistributed Procurement	-	-	-	-	-	9.330	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Undistributed Procurement Cost</i>	-	-	-	-	-	<b>9.330</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>1,295.570</b>	-	-	<b>756.043</b>	-	-	<b>20.306</b>	-	-	<b>20.509</b>	-	-	-	-	-	<b>20.509</b>

**Remarks:**  
This program completed two Multi-Year Procurement contract awards in FY 2023 through FY 2027 as authorized in the FY 2023 National Defense Authorization Act.

Dollars (\$M) and quantities for this program are:  
 FY 2023 \$31.275 Quantity 127,006  
 FY 2024 \$20.306 Quantity 73,634  
 FY 2025 \$20.468 Quantity 58,915  
 FY 2026 \$21.052 Quantity 73,693  
 FY 2027 \$21.434 Quantity 72,351

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 37	<b>P-1 Line Item Number / Title:</b> 8750E27501 / Artillery Propellants, Fuzes and Primers, All	<b>Item Number / Title [DODIC]:</b> ER8021 / PROP CHG, 155mm ARTY MACS, M232 Series [DA67]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
<p>Increased Unit Costs due to increased labor and material costs resulting from COVID-19 supply chain disturbances and inflation.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 37			P-1 Line Item Number / Title: 8750E27501 / Artillery Propellants, Fuzes and Primers, All					Item Number / Title [DODIC]: ER8021 / PROP CHG, 155mm ARTY MACS, M232 Series [DA67]				
Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP)		2023	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2029	1,765	53.71	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Mar 2028	493,536	53.71	Y		
LOAD, ASSEMBLE, PACK (LAP)		2023	GENERAL DYNAMICS-OTS, INC. / HAMPTON, AR	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Mar 2028	502,589	53.71	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2029	73,634	49.16	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2030	55,972	63.99	Y		
PROPELLANT, M31A2		2023	GEN DYNAMICS ORDNANCE AND / SALABERRY-DE-VALLEYFIELD, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	Apr 2023	Dec 2024	4,764,230	22.53	Y		
PROPELLANT, M31A2		2024	GEN DYNAMICS ORDNANCE AND / SALABERRY-DE-VALLEYFIELD, CANADA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Nov 2025	354,916	24.72	Y		
PROPELLANT, M31A2		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Nov 2026	269,785	28.59	Y		
CONTAINER, M232A1		2023	CONCO INC. / LOUISVILLE, KY	Option / IDIQ	PICATINNY ARSENAL, NJ	Jun 2023	Jun 2024	206,296	113.30	Y		
CONTAINER, M232A1		2024	TO BE SELECTED / TBS01	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	15,463	133.81	Y		
CONTAINER, M232A1		2025	TO BE SELECTED / TBS01	C / TBD	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	11,754	124.20	Y		
CTG CASE COMBUSTIBLE F/155MM M		2023	ARMTEC DEFENSE PRODUCTS CO / COACHELLA, CA	Option / IDIQ	PICATINNY ARSENAL, NJ	Sep 2023	Sep 2024	1,012,064	92.14	Y		
CTG CASE COMBUSTIBLE F/155MM M		2024	ARMTEC DEFENSE PRODUCTS CO / COACHELLA, CA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	75,843	59.85	Y		
CTG CASE COMBUSTIBLE F/155MM M		2025	ARMTEC DEFENSE PRODUCTS CO / COACHELLA, CA	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	57,651	108.45	Y		
IGNITION PROPELLANT, MACS		2023	ST. MARKS POWDER INC. / CRAWFORDVILLE, FL	Option / IDIQ	PICATINNY ARSENAL, NJ	Aug 2023	Aug 2024	67,620	18.09	Y		
IGNITION PROPELLANT, MACS		2024	ST. MARKS POWDER INC. / CRAWFORDVILLE, FL	Option / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	4,786	11.96	Y		
IGNITION PROPELLANT, MACS		2025	TO BE SELECTED / TBS01	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	3,638	18.86	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines **P-1 Line Item Number / Title:** 0442EA0800 / Mines & Clearing Charges, All Types

**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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	465.806	145.102	71.182	56.032	-	56.032	52.061	50.183	52.790	53.748	-	946.904
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	465.806	145.102	71.182	56.032	-	56.032	52.061	50.183	52.790	53.748	-	946.904
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>465.806</b>	<b>145.102</b>	<b>71.182</b>	<b>56.032</b>	-	<b>56.032</b>	<b>52.061</b>	<b>50.183</b>	<b>52.790</b>	<b>53.748</b>	-	<b>946.904</b>

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

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

**Description:**

This budget line includes Mines and Mine Clearing Charges, All Types.

(E39315) The M18A1 Claymore Mine is used when a directional, fixed, fragmentation mine is required for the defense of bivouac areas, outposts, and against infiltration tactics. It is also used against thin-skinned vehicles. This item is Code A, approved for service use.

(E72194) The M88 Volcano Practice Mine canister contains an explosive expulsion charge and six Inert weighted simulants providing similar effects to the M87 & M87A1 tactical canisters. The use of four M88 canisters in the four corners of the M139 Volcano System provide Warfighters the live fire effect by expelling the six dumb mines marking the start and end of a training mine field. The M88 when fired expels the six inert simulants at the same distance and distributions of density to represent similar emplacement of a tactical obstacle field. The M88 canisters are a onetime use class V ammo item. This item is Code A, approved for service use.

(E72800) The Anti-Personnel Obstacle Breaching System (APOBS) is used by dismounted troops in combat operations to clear a lane through wire obstacles and anti-personnel mines. This item is a lightweight, self-contained, 1 shot expendable system that is transported and deployed by a 2 man team. It consists of a line charge/fuze assembly and a rocket motor assembly. APOBS uses the MK126 Mod 0 rocket motor to propel a line charge over the obstacle. The line is then detonated, clearing a lane. The APOBS System is being actively used in Combat Engineering Operations. This item is Code A, approved for service use.

(E75101) M58A4 Linear Demolition Charge, commonly called the MICLIC, is deployed by the MK22 Mod 4 rocket from a MK155 launcher mounted to a M200A1 trailer or from the M1150 Assault Breacher Vehicle. Once deployed over the target minefield by the rocket, it is command detonated, clearing a vehicle width lane 100 meter long. The MICLIC is effective against single impulse, pressure fuzed mines. The M58A4 is less effective against blast hardened or complex fused mines. The M58A4 is being actively used in Combat Engineering Operations. This item is Code A, approved for service use.

(E75102) Line Charge Inert M68A2 F/MICLIC is the training ammunition for the M58 Linear Demolition Charge. It is identical to the M58 except all explosive components have been replaced with non-explosive components of identical weight. It can be recovered after deployment by the MK22 MOD 4 rocket and used up to three times. This item is Code A, approved for service use.

(E76900) The MK22 rocket is used to deploy the M58 Linear Demolition Charge or the M68A2 Inert Line Charge over a target obstacle. One rocket is used with each M58 and up to 3 can be used with each M68A2. This item is Code A, approved for service use.



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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines **P-1 Line Item Number / Title:** 0442EA0800 / Mines & Clearing Charges, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E39315 / MINE, AP M18A1 w/Non-Elec Ignition System	P-5a	A		- / 10.399	- / 10.671	- / -	- / 2.205	- / -	- / 2.205
P-5	E72194 / MINE, Practice, M88 (VOLCANO) [K042]	P-5a	A		- / 32.533	- / 7.961	- / 9.593	- / -	- / -	- / -
P-5	E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]	P-5a, P-21	A		- / 144.753	- / 22.601	- / 19.814	- / 14.925	- / -	- / 14.925
P-5	E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]	P-5a, P-21	A		- / 129.344	- / 59.149	- / 19.716	- / 16.760	- / -	- / 16.760
P-5	E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]	P-5a, P-21	A		- / 59.653	- / 15.883	- / 9.280	- / 9.575	- / -	- / 9.575
P-5	E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]	P-5a, P-21	A		- / 89.124	- / 28.837	- / 12.779	- / 12.567	- / -	- / 12.567
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 465.806</b>	<b>- / 145.102</b>	<b>- / 71.182</b>	<b>- / 56.032</b>	<b>- / -</b>	<b>- / 56.032</b>

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

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

**Justification:**  
 The FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life cycle.

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

The FY 2025 Total Base dollars in the amount of \$56.032 million supports the procurement of 5 variants of Mines and Mine Clearing Charges.

The FY 2023 actuals for base include \$68.456 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E39315) MINE, AP M18A1 w/Non-Elec Ignition System  
 This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$2.205 million supports production of 2,686 Claymores. E39315 is a new start in FY 2025.  
 Type Classification Date: 1960

(E72194) Practice M88 Volcano - This is a training standard item used in functional training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. There is no FY 2025 budget request for this item.  
 Type Classification Date: 1989

(E72800) Anti-Personnel Obstacle Breaching Sys (APOBS)  
 This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$14.925 million supports the procurement of 760 APOBS. Rocket Motor Grains and PBXN-10 explosive are provided as Government Furnished Material. Naval Surface Warfare Center Indian Head produces rocket motor grains. PBXN-10 is currently sourced from Holston Army Ammunition Plant.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Type Classification Date: 2001		
(E75101) Mine Clearing Line Charge M58 Series (MICLIC) This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$16.760 million supports the procurement of 187 MICLICs. LAP is conducted by American Ordnance at Iowa Army Ammunition Plant. C4 explosive is provided as Government Furnished Material and sourced from Holston Army Ammunition Plant. Type Classification Date: 1985		
(E75102) Line Charge Inert M68A2 F/MICLIC This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$9.575 million supports the procurement of 193 MICLIC Inert items. LAP is conducted by American Ordnance at Iowa Army Ammunition Plant. Type Classification Date: 1985		
(E76900) MICLIC 5 In Rocket Motor MK 22 MOD 4 - This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$12.567 million supports the procurement of 215 Rocket Motors. LAP is conducted by Naval Surface Warfare Center Indian Head which awards direct cite funded contracts for subcomponents. The sole NTIB (National Technology and Industrial Base) source for N-5 propellant is to be selected. Type Classification Date: 1985		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E39315 / MINE, AP M18A1 w/Non-Elec Ignition System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.399	10.671	-	2.205	-	2.205
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	10.399	10.671	-	2.205	-	2.205
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.399</b>	<b>10.671</b>	<b>-</b>	<b>2.205</b>	<b>-</b>	<b>2.205</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	222.51	37,986	8.452	237.18	39,959	9.477	-	-	-	267.65	2,686	0.719	-	-	-	267.65	2,686	0.719
COMP C-4 CLASS 3 <sup>(†)</sup>	17.83	70,742	1.261	18.10	65,932	1.193	-	-	-	19.00	4,431	0.084	-	-	-	19.00	4,431	0.084
<i>Subtotal: Recurring Cost</i>	-	-	<i>9.714</i>	-	-	<i>10.671</i>	-	-	-	-	-	<i>0.803</i>	-	-	-	-	-	<i>0.803</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>9.714</i>	-	-	<i>10.671</i>	-	-	-	-	-	<i>0.803</i>	-	-	-	-	-	<i>0.803</i>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.685	-	-	0.000	-	-	-	-	-	1.398	-	-	-	-	-	1.398
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>0.685</i>	-	-	-	-	-	-	-	-	<i>1.398</i>	-	-	-	-	-	<i>1.398</i>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<i>0.003</i>	-	-	-	-	-	<i>0.003</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>10.399</b>	-	-	<b>10.671</b>	-	-	-	-	-	<b>2.205</b>	-	-	-	-	-	<b>2.205</b>

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E39315 / MINE, AP M18A1 w/Non-Elec Ignition System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<sup>(†)</sup> indicates the presence of a P-5a		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types				<b>Item Number / Title [DODIC]:</b> E39315 / MINE, AP M18A1 w/Non-Elec Ignition System				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	ACCURATE ENERGETIC SYSTEMS, / MC EWEN, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Aug 2024	39,959	237.18	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	ACCURATE ENERGETIC SYSTEMS, / MC EWEN, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	2,686	267.65	Y		
COMP C-4 CLASS 3		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Aug 2023	65,932	18.10	Y		
COMP C-4 CLASS 3		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	May 2025	Aug 2025	4,431	19.00	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E72194 / MINE, Practice, M88 (VOLCANO) [K042]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	32.533	7.961	9.593	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	32.533	7.961	9.593	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>32.533</b>	<b>7.961</b>	<b>9.593</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	4,922.22	5,356	26.363	5,673.24	1,181	6.700	3,830.00	2,296	8.794	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	26.363	-	-	6.700	-	-	8.794	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>26.363</b>	-	-	<b>6.700</b>	-	-	<b>8.794</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	6.169	-	-	1.261	-	-	0.799	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>6.169</b>	-	-	<b>1.261</b>	-	-	<b>0.799</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>32.533</b>	-	-	<b>7.961</b>	-	-	<b>9.593</b>	-	-	-	-	-	-	-	-	-

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types					<b>Item Number / Title [DODIC]:</b> E72194 / MINE, Practice, M88 (VOLCANO) [K042]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	1,181	5,673.24	Y		Jan 2022
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2024	Nov 2025	2,296	3,830.00	Y		Jan 2022

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>													<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43						<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types						<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				144.753		22.601		19.814		14.925		-		14.925				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				144.753		22.601		19.814		14.925		-		14.925				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
<b>Total Obligation Authority (\$ in Millions)</b>				<b>144.753</b>		<b>22.601</b>		<b>19.814</b>		<b>14.925</b>		<b>-</b>		<b>14.925</b>				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-		
Gross/Weapon System Unit Cost (\$ in Dollars)				-		-		-		-		-		-		-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	34,036.12	3,655	124.402	11,519.79	1,309	15.079	12,573.38	1,186	14.912	13,871.10	760	10.542	-	-	-	13,871.10	760	10.542
PBXN-10 TYPE 2 <sup>(†)</sup>	26.95	8,770	0.236	28.97	3,636	0.105	29.79	3,558	0.106	31.10	2,280	0.071	-	-	-	31.10	2,280	0.071
PBXN-10 TYPE 1 <sup>(†)</sup>	24.12	171,700	4.141	27.94	67,987	1.900	28.12	65,230	1.834	30.00	41,800	1.254	-	-	-	30.00	41,800	1.254
PROPELLANT GRAIN (ROCKET) <sup>(†)</sup>	544.39	3,628	1.975	550.00	1,566	0.861	572.32	1,483	0.849	584.33	949	0.555	-	-	-	584.33	949	0.555
<i>Subtotal: Recurring Cost</i>	-	-	130.755	-	-	17.946	-	-	17.701	-	-	12.421	-	-	-	-	-	12.421
<i>Subtotal: Hardware Cost</i>	-	-	130.755	-	-	17.946	-	-	17.701	-	-	12.421	-	-	-	-	-	12.421
Support - Acceptance Testing Cost																		
First Article Test	-	-	-	-	-	1.159	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	1.159	-	-	-	-	-	-	-	-	-	-	-	-
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]		

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Production Qualification Test	-	-	-	-	-	0.694	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	<b>0.694</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.952	-	-	2.120	-	-	2.105	-	-	2.495	-	-	-	-	-	2.495
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.952</b>	-	-	<b>2.120</b>	-	-	<b>2.105</b>	-	-	<b>2.495</b>	-	-	-	-	-	<b>2.495</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	10.048	-	-	0.012	-	-	0.008	-	-	0.008	-	-	-	-	-	0.008
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>10.048</b>	-	-	<b>0.012</b>	-	-	<b>0.008</b>	-	-	<b>0.008</b>	-	-	-	-	-	<b>0.008</b>
<b>Support - Staging and Transportation Cost</b>																		
Staging and Transportation	-	-	-	-	-	0.070	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	-	-	-	<b>0.070</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>144.753</b>	-	-	<b>22.601</b>	-	-	<b>19.814</b>	-	-	<b>14.925</b>	-	-	-	-	-	<b>14.925</b>

**Remarks:**  
 FY 2025 unit cost increase due to the procurement of lower quantity of hardware.  
 Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.  
 (t) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	NAMMO PERRY INC. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Mar 2025	570	11,558.90	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Mar 2025	739	11,558.90	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	1,186	12,573.38	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	760	13,871.10	Y		
PBXN-10 TYPE 2		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Jul 2024	3,636	28.97	Y		
PBXN-10 TYPE 2		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Feb 2024	Sep 2025	3,558	29.79	Y		
PBXN-10 TYPE 2		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2025	Sep 2026	2,280	31.10	Y		
PBXN-10 TYPE 1		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Sep 2024	67,987	27.94	Y		
PBXN-10 TYPE 1		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Feb 2024	Sep 2025	65,230	28.12	Y		
PBXN-10 TYPE 1		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2025	Sep 2026	41,800	30.00	Y		
PROPELLANT GRAIN (ROCKET)		2023	NAVAL SURFACE WARFRE CTR / INDIAN HEAD, MD	PO	ROCK ISLAND ARSENAL, IL	Mar 2023	Aug 2024	1,566	550.00	Y		
PROPELLANT GRAIN (ROCKET)		2024	NAVAL SURFACE WARFRE CTR / INDIAN HEAD, MD	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Aug 2025	1,483	572.32	Y		
PROPELLANT GRAIN (ROCKET)		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Aug 2026	949	584.33	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]

Cost Elements (Units in Each)					Fiscal Year 2023													Fiscal Year 2024												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
LOAD, ASSEMBLE, PACK (LAP)																																
Prior Years Deliveries: 3655																																
	1	2023	ARMY	570	0	570																								570		
	1	2023	MC (†)	65	0	65																								65		
	<b>1</b>	<b>2023</b>	<b>Total</b>	<b>635</b>	<b>0</b>	<b>635</b>																								<b>635</b>		
	2	2023	ARMY	739	0	739																								739		
	3	2024	ARMY	1,186	0	1,186																								1,186		
	3	2024	MC (†)	66	0	66																								66		
	<b>3</b>	<b>2024</b>	<b>Total</b>	<b>1,252</b>	<b>0</b>	<b>1,252</b>																								<b>1,252</b>		
	3	2025	ARMY	760	0	760																								760		
	3	2025	MC (†)	87	0	87																								87		
	<b>3</b>	<b>2025</b>	<b>Total</b>	<b>847</b>	<b>0</b>	<b>847</b>																								<b>847</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
LOAD, ASSEMBLE, PACK (LAP)																																					
Prior Years Deliveries: 3655																																					
1	2023	ARMY		570	0	570	-	-	-	-	-	53	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	0				
1	2023	MC (†)		65	0	65	-	-	-	-	-	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0				
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>635</b>	<b>0</b>	<b>635</b>	-	-	-	-	-	<b>63</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>0</b>					
2	2023	ARMY		739	0	739	-	-	-	-	-	68	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	0					
3	2024	ARMY		1,186	0	1,186	-	-	-	-	-	-	-	-	-	-	-	108	98	98	98	98	98	98	98	98	98	98	98	98	98	0					
3	2024	MC (†)		66	0	66	-	-	-	-	-	-	-	-	-	-	-	11	5	5	5	5	5	5	5	5	5	5	5	5	5	0					
<b>3</b>	<b>2024</b>	<b>Total</b>		<b>1,252</b>	<b>0</b>	<b>1,252</b>	-	-	-	-	-	-	-	-	-	-	-	<b>119</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>0</b>					
3	2025	ARMY		760	0	760						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	693					
3	2025	MC (†)		87	0	87						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	77					
<b>3</b>	<b>2025</b>	<b>Total</b>		<b>847</b>	<b>0</b>	<b>847</b>						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>77</b>	<b>770</b>						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																		<b>Date:</b> March 2024											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027															Fiscal Year 2028															BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
LOAD, ASSEMBLE, PACK (LAP)																																					
Prior Years Deliveries: 3655																																					
1		2023	ARMY	570	570	0																															0
1		2023	MC (†)	65	65	0																															0
<b>1</b>		<b>2023</b>	<b>Total</b>	<b>635</b>	<b>635</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
2		2023	ARMY	739	739	0																															0
3		2024	ARMY	1,186	1,186	0																															0
3		2024	MC (†)	66	66	0																															0
<b>3</b>		<b>2024</b>	<b>Total</b>	<b>1,252</b>	<b>1,252</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>
3		2025	ARMY	760	67	693	63	63	63	63	63	63	63	63	63	63																					0
3		2025	MC (†)	87	10	77	7	7	7	7	7	7	7	7	7																						0
<b>3</b>		<b>2025</b>	<b>Total</b>	<b>847</b>	<b>77</b>	<b>770</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E72800 / Anti-Pers Obstacle Breachng Sys(APOBS), MK7 w/Mods [MN79]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAMMO PERRY INC. - PERRY, FL	25	130	576	8	8	24	32	6	6	18	24
2	ENSIGN-BICKFORD AEROSPACE & - SIMSBURY, CT	50	130	400	8	8	24	32	6	6	18	24
3	TO BE SELECTED - TBS01	50	130	400	8	8	24	32	6	6	18	24

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		129.344	59.149	19.716	16.760	-	16.760
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		129.344	59.149	19.716	16.760	-	16.760
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>129.344</b>	<b>59.149</b>	<b>19.716</b>	<b>16.760</b>	<b>-</b>	<b>16.760</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	26,075.75	4,950	129.075	30,836.80	814	25.101	33,237.16	240	7.977	38,342.85	187	7.170	-	-	-	38,342.85	187	7.170
COMP C-4 CLASS 3 <sup>(†)</sup>	-	-	-	18.10	1,481,480	26.815	18.61	444,446	8.271	19.00	346,297	6.580	-	-	-	19.00	346,297	6.580
FUZE, DEMOLITION KIT: M1134A4 (FOR MICLIC) <sup>(†)</sup>	-	-	-	6,603.25	814	5.375	6,736.41	240	1.617	6,925.82	187	1.295	-	-	-	6,925.82	187	1.295
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>129.075</i>	<i>-</i>	<i>-</i>	<i>57.291</i>	<i>-</i>	<i>-</i>	<i>17.865</i>	<i>-</i>	<i>-</i>	<i>15.045</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>15.045</i>
<i>Subtotal: Hardware Cost</i>	<i>-</i>	<i>-</i>	<i>129.075</i>	<i>-</i>	<i>-</i>	<i>57.291</i>	<i>-</i>	<i>-</i>	<i>17.865</i>	<i>-</i>	<i>-</i>	<i>15.045</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>15.045</i>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	0.071	-	-	0.040	-	-	0.039	-	-	-	-	-	0.039
First Article Test	-	-	0.200	-	-	-	-	-	0.176	-	-	0.171	-	-	-	-	-	0.171
<i>Subtotal: Support - Acceptance Testing Cost</i>	<i>-</i>	<i>-</i>	<i>0.200</i>	<i>-</i>	<i>-</i>	<i>0.071</i>	<i>-</i>	<i>-</i>	<i>0.216</i>	<i>-</i>	<i>-</i>	<i>0.210</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.210</i>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.069	-	-	1.784	-	-	1.632	-	-	1.501	-	-	-	-	-	1.501
<i>Subtotal: Support - Production Engineering Cost</i>	<i>-</i>	<i>-</i>	<i>0.069</i>	<i>-</i>	<i>-</i>	<i>1.784</i>	<i>-</i>	<i>-</i>	<i>1.632</i>	<i>-</i>	<i>-</i>	<i>1.501</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1.501</i>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	0.002	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	0.002	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
<b>Gross/Weapon System Cost</b>	-	-	129.344	-	-	59.149	-	-	19.716	-	-	16.760	-	-	-	-	-	16.760

**Remarks:**  
FY 2025 unit cost based on contract pricing matrix. Variations in planned procurements have an impact on pricing scale.

(†) indicates the presence of a P-5a



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types				<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]				

Cost Elements	O 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
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2024	814	30,836.80	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2024	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Dec 2025	240	33,237.16	Y		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>		2025	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2025	Dec 2026	187	38,342.85	Y		
COMP C-4 CLASS 3		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	May 2024	1,481,480	18.10	Y		
COMP C-4 CLASS 3		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2024	444,446	18.61	Y		
COMP C-4 CLASS 3		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2025	Sep 2025	346,297	19.00	Y		
FUZE, DEMOLITION KIT: M1134A4 (FOR MICLIC)		2023	Crane Naval Surface Warfare Center / Crane, IN	PO	ROCK ISLAND ARSENAL, IL	Aug 2023	May 2024	814	6,603.25	Y		
FUZE, DEMOLITION KIT: M1134A4 (FOR MICLIC)		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Jun 2025	240	6,736.41	Y		
FUZE, DEMOLITION KIT: M1134A4 (FOR MICLIC)		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2025	Jun 2026	187	6,925.82	Y		

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

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023														Fiscal Year 2024														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 4950																																			
1	2023	ARMY		814	0	814																							814						
1	2023	MC <sup>(†)</sup>		14	0	14																							14						
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>828</b>	<b>0</b>	<b>828</b>																							<b>828</b>						
1	2024	ARMY		240	0	240																							240						
1	2024	MC <sup>(†)</sup>		32	0	32																							32						
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>272</b>	<b>0</b>	<b>272</b>																							<b>272</b>						
1	2025	ARMY		187	0	187																							187						
1	2025	MC <sup>(†)</sup>		31	0	31																							31						
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>218</b>	<b>0</b>	<b>218</b>																							<b>218</b>						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
LOAD, ASSEMBLE, PACK (LAP)																																					
Prior Years Deliveries: 4950																																					
1	2023	ARMY		814	0	814	-	88	66	66	66	66	66	66	66	66	66	66	66																0		
1	2023	MC (†)		14	0	14	-	3	1	1	1	1	1	1	1	1	1	1	1															0			
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>828</b>	<b>0</b>	<b>828</b>	-	<b>91</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>67</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>				
1	2024	ARMY		240	0	240	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30						0				
1	2024	MC (†)		32	0	32	-	-	-	-	-	-	-	-	-	-	-	-	-	12	10	10	-	-	-	-	-						0				
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>272</b>	<b>0</b>	<b>272</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>42</b>	<b>40</b>	<b>40</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	-	-	-	<b>0</b>					
1	2025	ARMY		187	0	187									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187				
1	2025	MC (†)		31	0	31									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31				
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>218</b>	<b>0</b>	<b>218</b>									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>218</b>				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
LOAD, ASSEMBLE, PACK (LAP)																																			
Prior Years Deliveries: 4950																																			
1	2023	ARMY		814	814	0																													0
1	2023	MC (†)		14	14	0																													0
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>828</b>	<b>828</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2024	ARMY		240	240	0																													0
1	2024	MC (†)		32	32	0																													0
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>272</b>	<b>272</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>
1	2025	ARMY		187	0	187	-	-	22	15	15	15	15	15	15	15	15	15	15	15															0
1	2025	MC (†)		31	0	31	-	-	9	2	2	2	2	2	2	2	2	2	2	2														0	
<b>1</b>	<b>2025</b>	<b>Total</b>		<b>218</b>	<b>0</b>	<b>218</b>	-	-	<b>31</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E75101 / Line Charge, M58 Series Mine Clearing f/MICLIC [M913]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	25	75	100	8	8	24	32	6	9	18	27

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		59.653	15.883	9.280	9.575	-	9.575
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		59.653	15.883	9.280	9.575	-	9.575
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>59.653</b>	<b>15.883</b>	<b>9.280</b>	<b>9.575</b>	<b>-</b>	<b>9.575</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	45,866.40	456	20.915	37,966.98	371	14.086	41,940.89	192	8.053	40,896.20	193	7.893	-	-	-	40,896.20	193	7.893
Subtotal: Recurring Cost	-	-	20.915	-	-	14.086	-	-	8.053	-	-	7.893	-	-	-	-	-	7.893
Subtotal: Hardware Cost	-	-	20.915	-	-	14.086	-	-	8.053	-	-	7.893	-	-	-	-	-	7.893
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	-	-	-	-	-	-	0.045	-	-	0.029	-	-	-	-	-	0.029
Subtotal: Support - Acceptance Testing Cost	-	-	0.250	-	-	-	-	-	0.045	-	-	0.029	-	-	-	-	-	0.029
Support - Production Engineering Cost																		
Production Engineering	-	-	38.474	-	-	1.797	-	-	1.175	-	-	1.649	-	-	-	-	-	1.649
Subtotal: Support - Production Engineering Cost	-	-	38.474	-	-	1.797	-	-	1.175	-	-	1.649	-	-	-	-	-	1.649
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.014	-	-	-	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004
Subtotal: Support - Quality Assurance Cost	-	-	0.014	-	-	-	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>59.653</b>	<b>-</b>	<b>-</b>	<b>15.883</b>	<b>-</b>	<b>-</b>	<b>9.280</b>	<b>-</b>	<b>-</b>	<b>9.575</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9.575</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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FY 2025 unit cost based on contract pricing matrix. Variations in planned procurements have an impact on pricing scale.

Production engineering cost fluctuations across FY24 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types				<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Sep 2024	371	37,966.98	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	192	41,940.89	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2026	193	40,896.20	Y		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025												Fiscal Year 2026												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
COMPLETE ROUND																															
Prior Years Deliveries: 456																															
1	2023	ARMY		371	41	330	30	30	30	30	30	30	30	30	30	30														0	
1	2024	ARMY		192	0	192	-	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	16	16	16	16	0	
1	2025	ARMY		193	0	193																						17	176		
1	2025	MC <sup>(*)</sup>		12	0	12																						1	11		
1	2025	<b>Total</b>		<b>205</b>	<b>0</b>	<b>205</b>																						<b>18</b>	<b>187</b>		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027											Fiscal Year 2028											BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027											Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G
<b>COMPLETE ROUND</b>																														
Prior Years Deliveries: 456																														
1		2023	ARMY	371	371	0																							0	
1		2024	ARMY	192	192	0																							0	
1		2025	ARMY	193	17	176	16	16	16	16	16	16	16	16	16	16													0	
1		2025	MC <sup>(*)</sup>	12	1	11	1	1	1	1	1	1	1	1	1	1													0	
1		2025	<b>Total</b>	<b>205</b>	<b>18</b>	<b>187</b>	17	17	17	17	17	17	17	17	17	17	-	-	-	-	-	-	-	-	-	-	-	-	0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E75102 / LINE CHARGE INERT M68A2 F/MICLIC [M914]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	5	15	50	8	8	24	32	8	6	18	24

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				89.124	28.837	12.779	12.567	-	12.567
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				89.124	28.837	12.779	12.567	-	12.567
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>89.124</b>	<b>28.837</b>	<b>12.779</b>	<b>12.567</b>	<b>-</b>	<b>12.567</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP)	14,955.26	1,670	24.975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROPELLANT N-5	15.93	133,622	2.129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC INHIBITING TAPE	61.35	2,332	0.143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPLETE ROUND <sup>(†)</sup>	-	-	-	41,500.00	659	27.349	20,421.01	554	11.313	51,407.81	215	11.053	-	-	-	51,407.81	215	11.053
<i>Subtotal: Recurring Cost</i>	-	-	27.247	-	-	27.349	-	-	11.313	-	-	11.053	-	-	-	-	-	11.053
<i>Subtotal: Hardware Cost</i>	-	-	27.247	-	-	27.349	-	-	11.313	-	-	11.053	-	-	-	-	-	11.053
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	61.780	-	-	1.484	-	-	1.466	-	-	1.510	-	-	-	-	-	1.510
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	61.780	-	-	1.484	-	-	1.466	-	-	1.510	-	-	-	-	-	1.510
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004	-	-	-	-	-	0.004

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types	<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	89.124	-	-	28.837	-	-	12.779	-	-	12.567	-	-	-	-	-	12.567

**Remarks:**

Change from LAP to complete round occurred due to multiple Navy managed sub-contracts. Navy is managing over a dozen direct cite components.

FY 2025 unit cost increase due to inflation for specialty metals as well as the shrinking industrial based for obsolete manufacturing processes. FY 2024 unit cost is currently estimated to be \$42,750.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types				<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2023	Naval Surface Warfare Center / Indian Head, MD	PO	ROCK ISLAND ARSENAL, IL	May 2023	May 2025	659	41,500.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	Naval Surface Warfare Center / Indian Head, MD	PO	ROCK ISLAND ARSENAL, IL	May 2024	May 2026	554	20,421.01	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	Naval Surface Warfare Center / Indian Head, MD	PO	ROCK ISLAND ARSENAL, IL	May 2025	May 2027	215	51,407.81	Y		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 2	BAL D U E A S O F 1 O C T	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
	1	2023	ARMY	659	0	659																							659						
	1	2024	ARMY	554	0	554																							554						
	1	2025	ARMY	215	0	215																							215						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
COMPLETE ROUND																																					
1		2023	ARMY	659	0	659	-	-	-	-	-	-	-	-	60	60	60	60	60	45	45	45	45	45	45	45	45	44					0				
1		2024	ARMY	554	0	554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	46	46	46	46	322					
1		2025	ARMY	215	0	215									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types										<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027													Fiscal Year 2028													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027													Calendar Year 2028													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
1		2023	ARMY	659	659	0																							0				
1		2024	ARMY	554	232	322	46	46	46	46	46	46	46																0				
1		2025	ARMY	215	0	215	-	-	-	-	-	-	-	25	20	17	17	17	17	17	17	17	17	17	17				0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0442EA0800 / Mines & Clearing Charges, All Types
		<b>Item Number / Title [DODIC]:</b> E76900 / ROCKET, Motor 5 in, MK22 MOD 4 f/MICLIC [J143]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Naval Surface Warfare Center - Indian Head, MD	10	25	75	8	8	24	32	8	8	24	32

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

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

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines **P-1 Line Item Number / Title:** 0612E76740 / Close Terrain Shaping Obstacle

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

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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	40.755	25.403	55.374	15.303	-	15.303	7.860	-	10.999	11.109	-	166.803
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	40.755	25.403	55.374	15.303	-	15.303	7.860	-	10.999	11.109	-	166.803
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>40.755</b>	<b>25.403</b>	<b>55.374</b>	<b>15.303</b>	-	<b>15.303</b>	<b>7.860</b>	-	<b>10.999</b>	<b>11.109</b>	-	<b>166.803</b>

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

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

**Description:**

This budget line includes Close Terrain Shaping Obstacle, All Types.

(F76740) The XM343 Standoff Activated Volcano Obstacle (SAVO) meets the requirements of United States Army Europe (USAREUR) Operational Needs Statement (ONS) 18-22702. It provides a new delivery capability for fielded Volcano mine canisters utilizing initiation systems, which are the M7 Spider Networked Munition System, the MK152/M156 Remote Activation Munition Systems (RAMS), the CD450-4J Blasting Machine, or the XM204 Interim Top Attack. The primary item is the SAVO base plate which is placed on the ground and has four ports to connect the Volcano canisters and electrical terminals for wires to connect to the selected initiation system for manual initiation. The base plate is packaged with ancillary components to aid in emplacement such as initiation wire, stabilizing ground stakes, sandbags, and canister carrying straps. This item provides a U.S. Anti-Personnel Landmine Policy compliant capability to address the Army's directed close tactical obstacle capability gap and has been identified as part of the Army Modernization priorities in support of the National Defense Strategy. This item is Code A, approved for service use.

SAVO Full Task Trainer (FTT) will reflect the form, fit, function, and weight of the tactical XM343 SAVO base plate. FTT will produce sight and sound effects, upon receipt of a launch signal from a fielded initiation system, which effectively represents the XM343 SAVO obstacle's mine launch and armed status functionality. The SAVO Trainers will include the same packaging and ancillary components as the tactical SAVO. The SAVO Partial Task Trainer (PTT) will reflect the same form, fit and weight of tactical XM343 SAVO base plate and can be utilized in conjunction with the SAVO FTT for a more wide-scale collective training experience at Home Station and the Combat Training Centers. This item is Code A, approved for service use.

(F78310) The XM204 Interim Top Attack munition meets the requirements of United States Army Europe (USAREUR) Operational Needs Statement (ONS) 18-22702. The XM204 is a hand emplaced, Top Attack, Anti-Vehicular (AV) munition. The XM204 consists of a Dispenser Launcher Module (DLM), each with (4) top attack sub-munitions. Once manually armed, the XM204 system autonomously detects, tracks and engages target vehicles using seismic & acoustic sensors and radar within the DLM, and multi-array thermal & laser detection sensors within the Top Attack Sub-munition. A top attack sub-munition is launched by a rocket motor and engages a target using a High Melt Explosive (HMX) initiated warhead. This item provides a U.S. Anti-Personnel Landmine Policy compliant capability and executes U.S. Army modernization priorities in support of the National Defense Strategy. This system will be used as a key component for Terrain Shaping Obstacles (TSO) to influence enemy maneuver or deny access to key terrain. This item is Code A, approved for service use.

The XM98 provides an interim Top Attack Emplacement Trainer that is a recoverable, reusable, durable, and versatile item. The XM98 emplacement trainer provides inert representative weight, form, fit and features of an XM204 Interim Top Attack system. No energetics, sensors, or signatures are included in the trainer. Buttons/Switches/Lights & Indicators/Batteries shall reflect the function of an XM204 Interim Top Attack system. The primary purpose of the trainer is to establish proficiency in the arming sequence. Additionally, the trainer will establish proficiencies in the planning and emplacement of terrain shaping obstacles in conjunction with other systems in the Soldier portfolio. This item is Code A, approved for service use.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines **P-1 Line Item Number / Title:** 0612E76740 / Close Terrain Shaping Obstacle

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

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

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343	P-5a, P-21	A		- / 4.685	- / 9.188	- / 17.410	- / 15.303	- / -	- / 15.303
P-5	F78310 / CLOSE TERRAIN SHAPING OBSTACLE (CTSO), XM204	P-5a	A		- / 36.070	- / 16.215	- / 37.964	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 40.755</b>	<b>- / 25.403</b>	<b>- / 55.374</b>	<b>- / 15.303</b>	<b>- / -</b>	<b>- / 15.303</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$15.303 million supports the procurement of Standoff Activated Volcano Obstacle (SAVO) capability.

(F76740) Standoff Activated Volcano Obstacle (SAVO), XM343 - This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$9.260 million support the procurement of 157 complete systems of the XM343 Standoff Activated Volcano Obstacles and 480 Partial Task Trainers (PTT). FY 2025 Base dollars in the amount of \$6.043 million support the COCOM requirement for procurement of 218 complete systems of the XM343 Standoff Activated Volcano Obstacles and 92 Partial Task Trainers. The XM343 system is used to deter potential adversaries and support European Deterrence Initiative.  
 Type Classification Date: N/A

(F78310) Close Terrain Shaping Obstacle (CTSO), XM204 - This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. There is no FY 2025 funding request.  
 Type Classification Date: N/A

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle
		<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				4.685	9.188	17.410	15.303	-	15.303
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				4.685	9.188	17.410	15.303	-	15.303
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>4.685</b>	<b>9.188</b>	<b>17.410</b>	<b>15.303</b>	<b>-</b>	<b>15.303</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND TACTICAL <sup>(†)</sup>	219.833	12	2.638	83.710	11	0.921	27.893	475	13.249	27.509	375	10.316	-	-	-	27.509	375	10.316
COMPLETE ROUND TRAINER	-	-	-	-	-	-	38.522	46	1.772	-	-	-	-	-	-	-	-	-
Spares Kits Trainer Aids, Device, and Simulations (TADSS)	-	-	-	-	-	-	4.804	46	0.221	-	-	-	-	-	-	-	-	-
Partial Task Trainer	-	-	-	-	-	-	-	-	-	0.500	572	0.286	-	-	-	0.500	572	0.286
<i>Subtotal: Recurring Cost</i>	-	-	2.638	-	-	0.921	-	-	15.242	-	-	10.602	-	-	-	-	-	10.602
<b>Subtotal: Hardware Cost</b>	-	-	<b>2.638</b>	-	-	<b>0.921</b>	-	-	<b>15.242</b>	-	-	<b>10.602</b>	-	-	-	-	-	<b>10.602</b>
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	1.630	-	-	5.198	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	-	-	-	0.395	-	-	-	-	-	1.100	-	-	-	-	-	1.100
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>1.630</b>	-	-	<b>5.593</b>	-	-	-	-	-	<b>1.100</b>	-	-	-	-	-	<b>1.100</b>
<b>Support - Contractor Logistics Support (CLS) Cost</b>																		
Oversight	-	-	-	-	-	-	-	-	-	-	-	0.503	-	-	-	-	-	0.503
<i>Subtotal: Support - Contractor Logistics Support (CLS) Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.503</b>	-	-	-	-	-	<b>0.503</b>
<b>Support - New Equipment Training (NET) Cost</b>																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle	<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Equipment	-	-	-	-	-	0.362	-	-	0.537	-	-	0.250	-	-	-	-	-	0.250
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	-	-	-	<b>0.362</b>	-	-	<b>0.537</b>	-	-	<b>0.250</b>	-	-	-	-	-	<b>0.250</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.183	-	-	1.596	-	-	1.529	-	-	1.894	-	-	-	-	-	1.894
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.183</b>	-	-	<b>1.596</b>	-	-	<b>1.529</b>	-	-	<b>1.894</b>	-	-	-	-	-	<b>1.894</b>
Support - Program Management Cost																		
Government Management	-	-	0.234	-	-	0.716	-	-	0.102	-	-	0.954	-	-	-	-	-	0.954
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>0.234</b>	-	-	<b>0.716</b>	-	-	<b>0.102</b>	-	-	<b>0.954</b>	-	-	-	-	-	<b>0.954</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>4.685</b>	-	-	<b>9.188</b>	-	-	<b>17.410</b>	-	-	<b>15.303</b>	-	-	-	-	-	<b>15.303</b>

**Remarks:**

FY 2023 and FY 2024 funding are being combined for one buy in FY 2024 to support better unit pricing based on contractor estimated scales. Contract award for production planned for Jan FY 2024.

The second acceptance test in FY 2023 supports Physical Configuration Audit (PCA) which will occur prior to First Article Test.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle				<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND TACTICAL <sup>(†)</sup>		2023	TBD / TBD	C / FFP	Picatinny Arsenal, NJ	Jan 2024	Sep 2024	11	83.710	N		
COMPLETE ROUND TACTICAL <sup>(†)</sup>		2024	TBD / TBD	C / FFP	Picatinny Arsenal, NJ	Mar 2024	Nov 2024	475	27.893	N		
COMPLETE ROUND TACTICAL <sup>(†)</sup>		2025	TBD / TBD	C / FFP	Picatinny Arsenal, NJ	Mar 2025	Nov 2025	375	27.509	N		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43										<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle										<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2024													Fiscal Year 2025													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND TACTICAL																																	
Prior Years Deliveries: 12																																	
	1	2023	ARMY	11	0	11				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
	1	2024	ARMY	475	0	475				A -	-	-	-	-	-	-	-	-	-	-	100	100	100	100	75				0				
	1	2025	ARMY	375	0	375																				A -	-	-	-	-	-	-	375
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army																		<b>Date:</b> March 2024															
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43												<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle												<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343									

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

COMPLETE ROUND TACTICAL

Prior Years Deliveries: 12																																		
1	2023	ARMY	11	11	0																													0
1	2024	ARMY	475	475	0																													0
1	2025	ARMY	375	0	375	-	75	75	75	75	75																							0

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43		<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle
<b>Item Number / Title [DODIC]:</b> F76740 / STANDOFF ACTIVATED VOLCANO OBSTACLE (SAVO), XM343		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	5	60	100	2	2	6	8	2	6	8	14

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

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle	<b>Item Number / Title [DODIC]:</b> F78310 / CLOSE TERRAIN SHAPING OBSTACLE (CTSO), XM204

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	36.070	16.215	37.964	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	36.070	16.215	37.964	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>36.070</b>	<b>16.215</b>	<b>37.964</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND TACTICAL <sup>(†)</sup>	194.043	117	22.703	-	-	-	156.589	207	32.414	-	-	-	-	-	-	-	-	-
COMPLETE ROUND TRAINER	21.947	38	0.834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Partial Task Trainer	-	-	-	-	-	-	0.669	299	0.200	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	23.537	-	-	-	-	-	32.614	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
Facilitization	-	-	4.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractor NRE for Repairs and Production Verification Test (PVT) Support	-	-	-	-	-	5.841	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	4.882	-	-	5.841	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>28.419</b>	-	-	<b>5.841</b>	-	-	<b>32.614</b>	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	3.609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>3.609</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - New Equipment Training (NET) Cost																		
Equipment	-	-	0.499	-	-	0.200	-	-	0.250	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43	<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle	<b>Item Number / Title [DODIC]:</b> F78310 / CLOSE TERRAIN SHAPING OBSTACLE (CTSO), XM204
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	0.499	-	-	0.200	-	-	0.250	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	3.543	-	-	5.628	-	-	5.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	3.543	-	-	5.628	-	-	5.000	-	-	-	-	-	-	-	-	-
Support - Program Management Cost																		
Government Management	-	-	-	-	-	1.513	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	1.513	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support Equipment Cost																		
Test and Measurement Equipment	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Equipment Cost</i>	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	-	-	-	3.033	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	-	-	-	3.033	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	36.070	-	-	16.215	-	-	37.964	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 43			<b>P-1 Line Item Number / Title:</b> 0612E76740 / Close Terrain Shaping Obstacle				<b>Item Number / Title [DODIC]:</b> F78310 / CLOSE TERRAIN SHAPING OBSTACLE (CTSO), XM204					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND TACTICAL		2024	Textron Defense Systems / Wilmington, MA	SS / FFP	Picatinny Arsenal, NJ	Jan 2024	Jan 2025	207	156.589	N		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 43: Mines **P-1 Line Item Number / Title:** 7920E72501 / MINE, AT, VOLCANO, All Types

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

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

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	0.501	-	0.501	-	-	-	-	-	0.501
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	-	0.501	-	0.501	-	-	-	-	-	0.501
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	-	-	<b>0.501</b>	-	<b>0.501</b>	-	-	-	-	-	<b>0.501</b>

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

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

**Description:**

(E72501) The M87A1 Volcano Tactical Mine canister contains an aluminum tube and breech assembly containing six antitank tactical mines. The canister contains six transmitter coils, attached to a dispersion strap, and a propulsion system. The M87A1 Volcano canister provides Maneuver Commander with a situational tactical Anti-Vehicular (AV) obstacle capability. This item provides a U.S. Anti-Personnel Landmine Policy compliant capability. The M87A1 is a force multiplier, enabling joint forces to fight outnumbered & win against peer enemies while reducing friendly casualties. The M87A1 canister is a onetime use class V ammo item.  
This item is Code A, approved for service use.

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

(E94000) MINE, AT, VOLCANO, All Types

This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.501 million supports engineering activities for items in production. E94000 is a new start in FY 2025.

Type Classification Date: TBD

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** 2348EA4000 / Shoulder Launched Munitions, All Types

**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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	715.163	41.704	18.630	0.833	-	0.833	32.044	37.493	51.101	56.421	-	953.389
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	715.163	41.704	18.630	0.833	-	0.833	32.044	37.493	51.101	56.421	-	953.389
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>715.163</b>	<b>41.704</b>	<b>18.630</b>	<b>0.833</b>	-	<b>0.833</b>	<b>32.044</b>	<b>37.493</b>	<b>51.101</b>	<b>56.421</b>	-	<b>953.389</b>

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

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

**Description:**

This budget line includes Shoulder Launched Munitions, All Types.

(E36101) Launcher and Cartridge 84MM M136A1 (AT4CS-RS) - The AT4CS-RS is the Army's primary shoulder launched, lightweight, anti-armor weapon in support of the joint, multi-domain, high intensity conflicts and near-peer threats. The AT4CS-RS is a one-shot disposable system consisting of a self-contained launch tube and a free-flight, fin-stabilized 84mm high explosive Anti-Armor warhead with the ability to defeat light armor targets. The AT4CS-RS can be fired from a protected area or enclosed space during close combat operations. The AT4CS-RS supports the Army Strategy Line of Effort 1 by enabling operational readiness. This item is Code A, approved for service use.

(E36403) CTG, 7.62MM Tracer, F/SUBCAL ADPTR CARL GUSTAF (MAAWS) - The 7.62MM Tracer round is a down-loaded special round intended for use with the SCA 553B sub-caliber adapter when fired from the Multi-Role Anti-Armor Anti-Personnel Weapon System (MAAWS) system and is effective when firing at ranges up to 700m. The 7.62MM Tracer enables the Soldier to make it possible to raise the level of proficiency and reduce training costs to a low level both at the firing range and during live firing exercises. The 7.62MM Tracer supports the Army Strategy Line of Effort 1 by enabling operational readiness. This item is Code A, approved for service use.

(E36405) CTG, Gun, HE 441D, 84MM CARL GUSTAF (MAAWS) - The HE 441D (High Explosive 84MM) MAAWS system is used for combating troops in the open, behind cover, or in slit trenches as well as soft-skinned vehicles and similar types of targets. The 84MM HE 441D can be set for impact or air burst detonation. The 84MM HE 441D supports the Army Strategy Line of Effort 1 by enabling operational readiness. This item is Code A, approved for service use.

(E36406) CTG, Gun, TGT PRAC-TR 141, 84MM CARL GUSTAF (MAAWS) - The 84 MM TPT 141 (Target Practice Tracer) is an inert full caliber training round that is aerodynamically stabilized in flight and fitted with a tracer that is visible throughout the flight up to 400 meters. The 84 MM TPT 141 supports the Army Strategy Line of Effort 1 by enabling operational readiness. This item is Code A, approved for service use.

(E36409) CTG, 84mm Gun, HE programmable, CARL GUSTAF (MAAWS) - The HE 441E Programmable Airburst Round is an improved version of the HE 441D. The HE 441E will be programmed when loaded into the new lightweight M3A1 MAAWS equipped with the Fire Control System 13 - Rate Estimator (FCS13-RE). This is expected to result in a significant increase accuracy, airburst timing and lethality against personnel in defilade. The HE 441E supports the Army Strategy Line of Effort 2 by enabling Soldier Lethality modernization priorities. This item is Code A, approved for service use.



**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E36412) SHOULDER LAUNCHED INDIVIDUAL ASSAULT MUNITION (IAM): The Individual Assault Munition (IAM) consists of the tactical XM919 IAM munition and training devices including the XM922 sub-caliber trainer (SCT), sub-caliber tracer ammunition (SCT Ammo), and the Field Handling Trainer (FHT) in addition to Synthetic Training Environment Live Training System (STE LTS) and Soldier Virtual Trainers (SVT) to be managed by PEO Simulation, Training and Instrumentation (PEO STRI). The tactical XM919 IAM supports the close fight in urban and complex terrain, allowing Soldiers a fire-from-enclosure (FFE) capability to defeat field expedient structures such as earth and timber bunkers, reinforced concrete, adobe and triple brick walls with behind the wall lethality effects as well as defeating light armored vehicles. The IAM training devices provide training capability to increase the Soldier's proficiency and integration of the XM919 tactical system into combat operations. The XM919 IAM enables the Army's Soldier Lethality Modernization Line of Effort (LOE) by providing multi-target capability and reducing training &amp; logistics burden associated with two systems, while providing tactical innovation capable of extending overmatch against peer/near-peer adversaries in a joint, multi-domain, high-intensity conflict. This item will be Code A, approved for service use. Type Classification-Standard is scheduled for 3QFY25.</p> <p>(E36901) ROCKET, PRACTICE, 21MM SUBCALIBER - The 21MM Subcaliber for Shoulder Launched Munitions (SLM) simulates the firing of unguided shoulder fired munitions and is an enabler for Shoulder Launch Munition. The 21MM Subcaliber supports the Army's modernization priorities in support of the National Defense Strategy. The 21MM Subcaliber training round simulates the tactical munitions flight trajectory, but with less noise and back blast. It is currently used by Navy and Marine Corps to simulate the M72 Light Anti-tank Weapon System (LAW). It has also been adapted to the M141 Bunker Defeat Munition (BDM) and issued in New Equipment Training (NET)/Mobile Training Teams (MTT). The 21MM Subcaliber supports the Army Strategy Line of Effort 1 by enabling operational readiness. This item is Code A, approved for service use.</p> <p>(E88401) BUNKER DEFEAT MUNITION (BDM) - The Bunker Defeat Munition (BDM) is a single-shot, disposable, shoulder launched rocket propelled munition used to defeat earth and timber field fortifications (bunkers) out to 250 meters utilized in support of the joint, multi-domain, high intensity conflict and near-peer threats. The system is also capable of defeating lightly armored vehicles and breaches masonry walls using its 83 millimeter high explosive, dual-purpose rocket. The BDM supports the Army Strategy Line of Effort 1 by enabling operational readiness. The item is Code A, approved for service use.</p>		
<b>Justification:</b>		
<p>FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>FY 2025 Total Base dollars in the amount of \$0.833 million supports the procurement of five Shoulder Launched Munitions items.</p> <p>The FY 2023 actuals for base include \$28.745 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.</p> <p>(E36101) Launcher and Cartridge 84MM M136A1 (AT4CS-RS) - This is a training standard item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. FY 2025 Base procurement dollars in the amount of \$0.041 million supports engineering for items in production. Type Classification Date: 2009</p> <p>(E36403) CTG, 7.62MM TRACER 553 F/SUBCAL ADAPTR CARL GUSTAF (MAAWS) - This is a training unique item not used in combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. There is no FY 2025 budget request for this item. Type Classification Date: 2017</p> <p>(E36405) CTG, Gun, HE 441D, 84MM CARL GUSTAF (MAAWS) - This is a training standard item used in both training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. There is no FY 2025 budget request for this item. Type Classification Date: 2017</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E36406) CTG, Gun, TGT PRAC-TR 141, 84MM CARL GUSTAF (MAAWS) - This is a training unique item not used in combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.013 million supports engineering for items in production. Type Classification Date: 2017</p> <p>(E36409) CTG, 84mm Gun, HE programmable, CARLGSTF (MAAWS) - This is a training standard item used in both training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. There is no FY 2025 budget request for this item. Type Classification Date: 2023</p> <p>(E36412) SHOULDER LAUNCHED INDIVIDUAL ASSAULT MUNITION (IAM) - This is a training standard item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. FY 2025 Base procurement dollars in the amount of \$0.762 million supports engineering for items in production. Type Classification Date: 3QFY25</p> <p>(E36901) ROCKET, PRACTICE, 21MM SUBCALIBER for Shoulder Launched Munitions (SLM) - This is a training unique item not used in combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.002 million supports engineering for items in production. Type Classification Date: 1993</p> <p>(E88401) BUNKER DEFEAT MUNITION, 83mm Rocket &amp; Launcher, M141 - This is a training standard item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.015 million supports engineering for items in production. Type Classification Date: 2008</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** 3246E37300 / Rocket, Hydra 70, All Types

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

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

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,381.422	171.697	87.293	34.302	-	34.302	111.746	92.568	92.568	93.316	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,381.422	171.697	87.293	34.302	-	34.302	111.746	92.568	92.568	93.316	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,381.422</b>	<b>171.697</b>	<b>87.293</b>	<b>34.302</b>	-	<b>34.302</b>	<b>111.746</b>	<b>92.568</b>	<b>92.568</b>	<b>93.316</b>	<b>Continuing</b>	<b>Continuing</b>

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

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

**Description:**

The Aviation Rockets and Small Guided Munitions Product Office is the executive procurement agent for all services and Foreign Military customers, for all variants of aviation rockets. This budget line procures all aviation rockets and small guided munition types in support of Army operational, training and war reserve requirements. The systems provide combat overmatch capability and ensure the availability of munitions to support combat operations. Aviation rockets and small guided munitions are used on manned and unmanned platforms by Army, Navy, Air Force, Special Operations and Foreign Military aircraft. The unguided systems perform a number of roles including anti-materiel, anti-personnel, air-to-ground suppression and illumination. The guided systems are used to provide increased accuracy over the unguided munitions in precision strikes against lightly armored and soft point targets enabling better conformance to restricted rules of engagement. This Hydra-70 rocket funding supports the entire aviation rocket system and small guided munitions to include resolution of obsolescence, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, production issues, lifetime buys of obsolete components and guidance section testing and repair kits.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** 3246E37300 / Rocket, Hydra 70, All Types

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

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

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided	P-5a, P-21			- / 880.511	- / 156.916	- / 86.866	- / 33.562	- / -	- / 33.562
P-5	E37413 / Aviation Rocket Procurement, Guided	P-5a			- / 500.911	- / 14.781	- / 0.427	- / 0.740	- / -	- / 0.740
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,381.422</b>	<b>- / 171.697</b>	<b>- / 87.293</b>	<b>- / 34.302</b>	<b>- / -</b>	<b>- / 34.302</b>

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

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

**Justification:**  
 The FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout the life-cycle.

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.

FY 2025 Hydra-70 Base dollars of \$16.502M will fund \$9.100M Government Management and \$7.402M Production Engineering, encompassing efforts necessary to support prior year deliveries, hardware production, performance and acceptance testing, and other program office activities.

Overseas Operations Costs (OOC) funds this requirement in the amount of \$17.800M for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types	<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				880.511	156.916	86.866	33.562	-	33.562
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				880.511	156.916	86.866	33.562	-	33.562
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>880.511</b>	<b>156.916</b>	<b>86.866</b>	<b>33.562</b>	<b>-</b>	<b>33.562</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(†)</sup>	974.68	671,126	654.133	1,493.06	69,249	103.393	1,550.66	33,294	51.628	3,339.64	3,727	12.447	-	-	-	3,339.64	3,727	12.447
Radford Army Ammunition Plant (AAP) Industrial Facilities	-	-	100.645	-	-	37.768	-	-	18.858	-	-	4.613	-	-	-	-	-	4.613
Recurring Engineering	-	-	4.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>758.834</i>	-	-	<i>141.161</i>	-	-	<i>70.486</i>	-	-	<i>17.060</i>	-	-	-	-	-	<i>17.060</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>758.834</i>	-	-	<i>141.161</i>	-	-	<i>70.486</i>	-	-	<i>17.060</i>	-	-	-	-	-	<i>17.060</i>
Support - Industrial Facilities Cost																		
Radford Army Ammunition Plant (AAP)	-	-	44.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Industrial Facilities Cost</i>	-	-	<i>44.485</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	49.827	-	-	6.811	-	-	7.257	-	-	7.402	-	-	-	-	-	7.402
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>49.827</i>	-	-	<i>6.811</i>	-	-	<i>7.257</i>	-	-	<i>7.402</i>	-	-	-	-	-	<i>7.402</i>
Support - Program Management Cost																		
Government Management	-	-	27.363	-	-	8.944	-	-	9.123	-	-	9.100	-	-	-	-	-	9.100

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types	<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Program Management Cost</i>	-	-	27.363	-	-	8.944	-	-	9.123	-	-	9.100	-	-	-	-	-	9.100
<b>Gross/Weapon System Cost</b>	-	-	880.511	-	-	156.916	-	-	86.866	-	-	33.562	-	-	-	-	-	33.562

**Remarks:**

The Program Office is under a Section 806 of the National Defense Authorization Act for Fiscal Year 1999 (Public Law 105-261) restriction to procure MK90 Propellant Grain from Radford Army Ammunition Plant to maintain a facility, producer, manufacturer, or supplier for an essential item of ammunition.

The Radford Army Ammunition Plant (AAP) Industrial Facilities costs fund the operation and maintenance of the plant to include requirements for maintenance, security, safety, utilities, environmental compliance, and etc. These costs are part of the price of the MK90 grain used in the Hydra rocket motor; therefore, these costs fluctuate as quantities fluctuate.

While the Hydra-70 overall Production Engineering and Program Management costs maintain a consistent level of effort each year, these costs are allocated to all services on a pro-rata share of quantities procured. This can result in a year-to-year fluctuation of the Army's share.

Support - Production Engineering Cost are shared between E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided and E37413 / Aviation Rocket Procurement, Guided baby lines.

The unguided unit cost increase from FY 2024 to FY 2025 is due to the low quantity of variants procured and increase in hardware and grain unit costs projected for the new FY 2025 - FY 2029 contract.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45			<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types				<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round <sup>(†)</sup>		2021	General Dynamics / Williston, VT	C / FFP	Redstone Arsenal, AL	Apr 2021	Feb 2023	125,339	890.22	Y		Aug 2018
Complete Round <sup>(†)</sup>		2022	General Dynamics / Williston, VT	C / FFP	Redstone Arsenal, AL	Aug 2022	May 2024	56,299	1,314.24	Y		Aug 2018
Complete Round <sup>(†)</sup>		2023	General Dynamics / Williston, VT	C / FFP	Redstone Arsenal, AL	Mar 2023	Sep 2024	69,249	1,493.06	Y		Aug 2018
Complete Round <sup>(†)</sup>		2024	General Dynamics / Williston, VT	C / FFP	Redstone Arsenal, AL	Mar 2024	Sep 2025	33,294	1,550.66	Y		Aug 2018
Complete Round <sup>(†)</sup>		2025	TBD / TBD	TBD	Redstone Arsenal, AL	Jun 2025	Dec 2026	3,727	3,339.64	Y		

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

**Remarks:**

- QTY EA for delivery schedule for the P-5a.
- Contractor minimum sustainment rate for the total of all variants is 125,000 rockets annually.
- The Aviation Rockets and Small Guided Munitions Product Office is the executive procurement agent for all services and Foreign Military customers, for all variants of aviation rockets.
- New contract will be awarded for FY 2025. New contract is base and 4 option years (FY 2025 - FY 2029)
- Other services and FMS customers are shown on the P-21 delivery schedule.
- C / FFP: Competitive / Firm Fixed Price

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types
		<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided

Cost Elements <i>(Units in Thousands)</i>				Fiscal Year 2021														Fiscal Year 2022														B A L A N C E			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 0	BAL D U E A S O F 1 O C T	Calendar Year 2021														Calendar Year 2022														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Complete Round																																			
Prior Years Deliveries: 489488																																			
1	2021	AF (†)		1.323	.000	1.323																												1.323	
1	2021	ARMY		125.339	.000	125.339																												125.339	
1	2021	FMS (†)		25.836	.000	25.836																												25.836	
1	2021	NAVY (†)		33.541	.000	33.541																												33.541	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>186.039</b>	<b>.000</b>	<b>186.039</b>																												<b>186.039</b>	
1	2022	AF (†)		15.750	.000	15.750																												15.750	
1	2022	ARMY		56.299	.000	56.299																												56.299	
1	2022	FMS (†)		6.768	.000	6.768																												6.768	
1	2022	NAVY (†)		40.320	.000	40.320																												40.320	
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>119.137</b>	<b>.000</b>	<b>119.137</b>																												<b>119.137</b>	
1	2023	AF (†)		6.719	.000	6.719																												6.719	
1	2023	ARMY		69.249	.000	69.249																												69.249	
1	2023	NAVY (†)		39.034	.000	39.034																												39.034	
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>115.002</b>	<b>.000</b>	<b>115.002</b>																												<b>115.002</b>	
1	2024	AF (†)		15.538	.000	15.538																												15.538	
1	2024	ARMY		33.294	.000	33.294																												33.294	
1	2024	NAVY (†)		34.450	.000	34.450																												34.450	
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>78.918</b>	<b>.000</b>	<b>78.918</b>																												<b>78.918</b>	
2	2025	ARMY		3.727	.000	3.727																												3.727	
2	2025	NAVY (†)		13.606	.000	13.606																												13.606	
<b>2</b>	<b>2025</b>	<b>Total</b>		<b>17.333</b>	<b>.000</b>	<b>17.333</b>																												<b>17.333</b>	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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**Exhibit P-21, Production Schedule: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types	<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023													Fiscal Year 2024													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
Complete Round																																		
Prior Years Deliveries: 489488																																		
1	2021	AF (†)	1.323	.000	1.323	-	-	-	1.323	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000		
1	2021	ARMY	125.339	.000	125.339	-	-	-	-	.017	-	-	7.392	1.980	20.640	24.660	20.640	22.620	11.082	4.020	-	6.749	-	-	-	-	-	-	-	-	5.539			
1	2021	FMS (†)	25.836	.000	25.836	-	-	-	-	4.992	2.016	-	-	-	-	-	-	-	-	-	-	18.828	-	-	-	-	-	-	-	-	.000			
1	2021	NAVY (†)	33.541	.000	33.541	-	-	-	6.000	-	-	10.000	-	-	6.000	-	-	6.000	-	5.541	-	-	-	-	-	-	-	-	-	-	.000			
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>186.039</b>	<b>.000</b>	<b>186.039</b>	-	-	-	<b>7.323</b>	<b>5.009</b>	<b>2.016</b>	<b>10.000</b>	<b>7.392</b>	<b>1.980</b>	<b>26.640</b>	<b>24.660</b>	<b>20.640</b>	<b>28.620</b>	<b>11.082</b>	<b>9.561</b>	-	<b>25.577</b>	-	-	-	-	-	-	-	-	<b>5.539</b>			
1	2022	AF (†)	15.750	.000	15.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.200	8.550			
1	2022	ARMY	56.299	.000	56.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.555	7.817	43.927			
1	2022	FMS (†)	6.768	.000	6.768	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.504	1.968	1.296			
1	2022	NAVY (†)	40.320	.000	40.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.640	8.320	-	11.360			
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>119.137</b>	<b>.000</b>	<b>119.137</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>20.640</b>	<b>4.555</b>	-	<b>11.824</b>	-	<b>16.985</b>	<b>65.133</b>
1	2023	AF (†)	6.719	.000	6.719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.360	3.359		
1	2023	ARMY	69.249	.000	69.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.770	63.479		
1	2023	NAVY (†)	39.034	.000	39.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.253	35.781		
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>115.002</b>	<b>.000</b>	<b>115.002</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>12.383</b>	<b>102.619</b>	
1	2024	AF (†)	15.538	.000	15.538	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.538		
1	2024	ARMY	33.294	.000	33.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.294		
1	2024	NAVY (†)	34.450	.000	34.450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.450		
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>78.918</b>	<b>.000</b>	<b>78.918</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>78.918</b>	
2	2025	ARMY	3.727	.000	3.727	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.727		
2	2025	NAVY (†)	13.606	.000	13.606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.606		
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>17.333</b>	<b>.000</b>	<b>17.333</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>17.333</b>		

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types
		<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025													Fiscal Year 2026													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Complete Round																																	
Prior Years Deliveries: 489488																																	
1	2021	AF (†)	1.323	1.323	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000
1	2021	ARMY	125.339	119.800	5.539	-	-	2.120	-	3.419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000
1	2021	FMS (†)	25.836	25.836	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
1	2021	NAVY (†)	33.541	33.541	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>186.039</b>	<b>180.500</b>	<b>5.539</b>	-	-	<b>2.120</b>	-	<b>3.419</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2022	AF (†)	15.750	7.200	8.550	-	-	8.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
1	2022	ARMY	56.299	12.372	43.927	-	10.032	5.418	18.204	10.273	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
1	2022	FMS (†)	6.768	5.472	1.296	-	-	-	1.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
1	2022	NAVY (†)	40.320	28.960	11.360	-	11.360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
<b>1</b>	<b>2022</b>	<b>Total</b>	<b>119.137</b>	<b>54.004</b>	<b>65.133</b>	-	<b>21.392</b>	<b>13.968</b>	<b>19.500</b>	<b>10.273</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>	
1	2023	AF (†)	6.719	3.360	3.359	3.359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000	
1	2023	ARMY	69.249	5.770	63.479	5.770	5.770	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	5.771	.000	
1	2023	NAVY (†)	39.034	3.253	35.781	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	3.253	.000	
<b>1</b>	<b>2023</b>	<b>Total</b>	<b>115.002</b>	<b>12.383</b>	<b>102.619</b>	<b>12.382</b>	<b>9.023</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>9.024</b>	<b>.000</b>	
1	2024	AF (†)	15.538	.000	15.538	-	-	-	-	-	-	-	-	-	-	-	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.295	1.293	.000		
1	2024	ARMY	33.294	.000	33.294	-	-	-	-	-	-	-	-	-	-	-	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.411	2.409	4.364	.000		
1	2024	NAVY (†)	34.450	.000	34.450	-	-	-	-	-	-	-	-	-	-	-	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.871	2.869	.000	.000		
<b>1</b>	<b>2024</b>	<b>Total</b>	<b>78.918</b>	<b>.000</b>	<b>78.918</b>	-	-	-	-	-	-	-	-	-	-	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.577</b>	<b>6.571</b>	-	<b>.000</b>			
2	2025	ARMY	3.727	.000	3.727	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.727		
2	2025	NAVY (†)	13.606	.000	13.606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.606		
<b>2</b>	<b>2025</b>	<b>Total</b>	<b>17.333</b>	<b>.000</b>	<b>17.333</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>17.333</b>		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45										<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types										<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided									

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2027														Fiscal Year 2028														B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Complete Round																																			
Prior Years Deliveries: 489488																																			
1	2021	AF (†)		1.323	1.323	.000																							.000						
1	2021	ARMY		125.339	125.339	.000																							.000						
1	2021	FMS (†)		25.836	25.836	.000																							.000						
1	2021	NAVY (†)		33.541	33.541	.000																							.000						
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>186.039</b>	<b>186.039</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>						
1	2022	AF (†)		15.750	15.750	.000																							.000						
1	2022	ARMY		56.299	56.299	.000																							.000						
1	2022	FMS (†)		6.768	6.768	.000																							.000						
1	2022	NAVY (†)		40.320	40.320	.000																							.000						
<b>1</b>	<b>2022</b>	<b>Total</b>		<b>119.137</b>	<b>119.137</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>						
1	2023	AF (†)		6.719	6.719	.000																							.000						
1	2023	ARMY		69.249	69.249	.000																							.000						
1	2023	NAVY (†)		39.034	39.034	.000																							.000						
<b>1</b>	<b>2023</b>	<b>Total</b>		<b>115.002</b>	<b>115.002</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>						
1	2024	AF (†)		15.538	15.538	.000																							.000						
1	2024	ARMY		33.294	28.930	4.364																							4.364						
1	2024	NAVY (†)		34.450	34.450	.000																							.000						
<b>1</b>	<b>2024</b>	<b>Total</b>		<b>78.918</b>	<b>78.918</b>	<b>.000</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>.000</b>						
2	2025	ARMY		3.727	.000	3.727	-	-	.311	.311	.311	.311	.311	.311	.311	.310	.310	.310	.310	.310									.000						
2	2025	NAVY (†)		13.606	.000	13.606	-	-	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.133	1.133									.000						
<b>2</b>	<b>2025</b>	<b>Total</b>		<b>17.333</b>	<b>.000</b>	<b>17.333</b>	-	-	<b>1.445</b>	<b>1.445</b>	<b>1.445</b>	<b>1.445</b>	<b>1.445</b>	<b>1.445</b>	<b>1.444</b>	<b>1.444</b>	<b>1.444</b>	<b>1.443</b>	<b>1.443</b>	-	-	-	-	-	-	-	-	<b>.000</b>							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types
		<b>Item Number / Title [DODIC]:</b> E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics - Williston, VT	125,000	330,000	330,000	7	6	18	24	7	6	18	24
2	TBD - TBD	125,000	330,000	330,000	0	0	0	0	0	0	0	0

**Remarks:**  
MSR will not be achieved in FY 2025.

Sustained procurements below MSR are increasing unit cost and increasing risk to the base of responsive vendors and suppliers.

A DCMA study conducted in FY 2022 established an MSR of 125,000.

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

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types	<b>Item Number / Title [DODIC]:</b> E37413 / Aviation Rocket Procurement, Guided

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	500.911	14.781	0.427	0.740	-	0.740
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	500.911	14.781	0.427	0.740	-	0.740
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>500.911</b>	<b>14.781</b>	<b>0.427</b>	<b>0.740</b>	<b>-</b>	<b>0.740</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round, Guidance Section <sup>(t)</sup>	21,997.95	19,359	425.858	23,346.00	377	8.801	25,220.93	14	0.353	24,860.78	23	0.572	-	-	-	24,860.78	23	0.572
Complete Round, Unguided Section	1,243.86	16,790	20.884	14,553.69	377	5.487	4,712.66	14	0.066	6,075.51	23	0.140	-	-	-	6,075.51	23	0.140
Radford Army Ammunition Plant (AAP) - Industrial Facilities	-	-	3.028	-	-	0.206	-	-	0.008	-	-	0.028	-	-	-	-	-	0.028
Recurring Engineering	-	-	0.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>450.024</b>	<b>-</b>	<b>-</b>	<b>14.494</b>	<b>-</b>	<b>-</b>	<b>0.427</b>	<b>-</b>	<b>-</b>	<b>0.740</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.740</b>
<b>Subtotal: Flyaway Cost</b>	<b>-</b>	<b>-</b>	<b>450.024</b>	<b>-</b>	<b>-</b>	<b>14.494</b>	<b>-</b>	<b>-</b>	<b>0.427</b>	<b>-</b>	<b>-</b>	<b>0.740</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.740</b>
Support - Industrial Facilities Cost																		
Radford Army Ammunition Plant (AAP)	-	-	7.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equipment Acquisition or Modernization	-	-	0.342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Support - Industrial Facilities Cost</b>	<b>-</b>	<b>-</b>	<b>7.352</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	25.734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Support - Production Engineering Cost</b>	<b>-</b>	<b>-</b>	<b>25.734</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types	<b>Item Number / Title [DODIC]:</b> E37413 / Aviation Rocket Procurement, Guided

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Program Management Cost																		
Government Management	-	-	17.802	-	-	0.287	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>17.802</b>	-	-	<b>0.287</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>500.911</b>	-	-	<b>14.781</b>	-	-	<b>0.427</b>	-	-	<b>0.740</b>	-	-	-	-	-	<b>0.740</b>

**Remarks:**  
 The Program Office is under a Section 806 of the National Defense Authorization Act for Fiscal Year 1999 (Public Law 105-261) restriction to procure MK90 Propellant Grain from Radford Army Ammunition Plant to maintain a facility, producer, manufacturer, or supplier for an essential item of ammunition.

The Radford Army Ammunition Plant (AAP) Industrial Facilities costs fund the operation and maintenance of the plant to include requirements for maintenance, security, safety, utilities, environmental compliance, and etc. These costs are part of the price of the MK90 grain used in the Hydra rocket motor; therefore, these costs fluctuate as quantities fluctuate.

Support - Production Engineering Cost and Support - Program Management Cost are captured on E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided line.

The guided unit cost increase from FY 2024 to FY 2025 is due to the low quantity of guidance sections procured and increase in hardware and grain unit costs projected for the new FY 2025 - FY 2029 contract.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45			<b>P-1 Line Item Number / Title:</b> 3246E37300 / Rocket, Hydra 70, All Types				<b>Item Number / Title [DODIC]:</b> E37413 / Aviation Rocket Procurement, Guided				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round, Guidance Section	✓	2021	BAE Systems / Nashua, NH	SS / FFP	Pax River, MD	May 2021	Mar 2023	240	23,381.00	Y		
Complete Round, Guidance Section		2022	BAE Systems / Nashua, NH	SS / FFP	Pax River, MD	May 2022	Apr 2023	377	23,747.00	Y		
Complete Round, Guidance Section		2023	BAE Systems / Nashua, NH	SS / FFP	Pax River, MD	May 2023	Apr 2024	377	23,346.00	Y		
Complete Round, Guidance Section		2024	BAE Systems / Nashua, NH	SS / FFP	Pax River, MD	May 2024	Apr 2025	14	25,220.93	Y		
Complete Round, Guidance Section		2025	BAE Systems / Nashua, NH	SS / FFP	Pax River, MD	May 2025	Apr 2026	23	24,860.78	Y		

**Remarks:**  
 - QTY EA for delivery schedule.  
 - Contract managed by Navy  
 - SS / FFP: Sole Source / Firm Fixed Price

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	169.701	7.643	6.564	6.571	-	6.571	7.588	7.584	7.584	7.660	-	220.895
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	169.701	7.643	6.564	6.571	-	6.571	7.588	7.584	7.584	7.660	-	220.895
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>169.701</b>	<b>7.643</b>	<b>6.564</b>	<b>6.571</b>	<b>-</b>	<b>6.571</b>	<b>7.588</b>	<b>7.584</b>	<b>7.584</b>	<b>7.660</b>	<b>-</b>	<b>220.895</b>

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

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

**Description:**

This budget line is for safety critical Cartridge Actuated Devices (CAD) and Propellant Actuated Devices (PAD), which are used on rotary winged Army aircraft. CAD/PADs support aircraft escape, fire suppression, and jettison systems. Items are subject to shelf and service life restrictions and, therefore, require replacement at specified intervals.

CAD/PAD devices are procured in accordance with their shelf/service life and are made up of, but no limited to: MS81-87 Shielded Det Cord; MS94-97 Canopy Egress Assembly; MS91-92 Flexible Det Cord; MT06/DWEA Initiator Cartridge; SP02/03 Det Cord Assembly; WB53/MT20/TY60 Fire Bottle Cartridge; MD66/JM92 Stores Release Cartridge; MJ20 Thruster Assembly and Cartridge; MJ20 Inert Thruster without Cartridge; MJ21 Impulse Cartridge; MU02 Hoist Cutter Cartridge; MU34 Hoist Refire Kit; M514 Hoist Cutter Cartridge; DWGS Cable Cutter Assembly; JM96 Chinook Impulse Cartridge; MD65 Initiator Cartridge - Air Volcano stores release.

CAD/PAD Procurements are awarded by the Navy Contracting Center in Mechanicsburg, PA and the Naval Surface Warfare Center (NSWC) in Indian Head.



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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition

**P-1 Line Item Number / Title:**  
2420E61000 / CAD/PAD, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	EA0003 / CAD/PAD, All Other	P-5a			- / 169.701	- / 7.643	- / 6.564	- / 6.571	- / -	- / 6.571
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 169.701</b>	<b>- / 7.643</b>	<b>- / 6.564</b>	<b>- / 6.571</b>	<b>- / -</b>	<b>- / 6.571</b>

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

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

**Justification:**  
The FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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

FY 2025 Total Base procurement dollars of \$6.571M will be used for procurement of various CAD/PADs that need replacement due to limited shelf life and/or install life. The FY 2025 program is required to assure availability of replacement items when needed or for mandatory "time-change" procedures for already installed devices to avoid grounding aircraft or rendering aircraft partially mission capable. This funding is required to support fleet requirements that take into account the aircraft inventory, maintenance cycle, shelf/install life, procurement lead-times, and expenditures. Due the variability of these factors, actual CAD/PAD end items and the quantities procured may vary.

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>											<b>Date:</b> March 2024						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47						<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types					<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )				-		-		-		-		-		-			
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				169.701		7.643		6.564		6.571		-		6.571			
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-			
Net Procurement (P-1) ( <i>\$ in Millions</i> )				169.701		7.643		6.564		6.571		-		6.571			
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-			
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				<b>169.701</b>		<b>7.643</b>		<b>6.564</b>		<b>6.571</b>		<b>-</b>		<b>6.571</b>			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares ( <i>\$ in Millions</i> )				-		-		-		-		-		-		-	
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				-		-		-		-		-		-		-	

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
MS81 Shielded Det Cord <sup>(f)</sup>	755.02	565	0.427	2,900.00	18	0.052	1,228.51	120	0.147	1,952.91	90	0.176	-	-	-	1,952.91	90	0.176
MS82 Shielded Det Cord <sup>(f)</sup>	789.58	690	0.545	2,900.00	18	0.052	1,228.51	120	0.147	1,952.91	90	0.176	-	-	-	1,952.91	90	0.176
MS83 Shielded Det Cord <sup>(f)</sup>	768.68	615	0.473	2,900.00	18	0.052	1,228.51	100	0.123	1,952.91	90	0.176	-	-	-	1,952.91	90	0.176
MS85 Shielded Det Cord <sup>(f)</sup>	789.58	690	0.545	2,900.00	18	0.052	1,228.51	120	0.147	-	-	-	-	-	-	-	-	-
MS86 Shielded Det Cord <sup>(f)</sup>	768.61	616	0.473	2,900.00	18	0.052	1,228.51	100	0.123	1,952.91	90	0.176	-	-	-	1,952.91	90	0.176
MS87 Shielded Det Cord <sup>(f)</sup>	768.61	616	0.473	2,900.00	18	0.052	1,228.51	100	0.123	1,952.91	90	0.176	-	-	-	1,952.91	90	0.176
JN79 Canopy Egress Assembly	9,622.73	132	1.270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JN80 Canopy Egress Assembly	9,622.73	132	1.270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JN81 Canopy Egress Assembly	9,622.73	132	1.270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JN82 Canopy Egress Assembly	9,622.73	132	1.270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XW55 Delay Initiator	1,251.56	751	0.940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47						<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types						<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
MJ21 Impulse Cartridge <sup>(†)</sup>	405.50	600	0.243	569.91	200	0.114	-	-	-	-	-	-	-	-	-	-	-	-
MS94 Window Cutting Assembly <sup>(†)</sup>	3,020.92	624	1.885	5,417.00	100	0.542	5,228.97	100	0.523	6,825.42	90	0.614	-	-	-	6,825.42	90	0.614
MS95 Window Cutting Assembly <sup>(†)</sup>	3,040.40	701	2.131	5,417.00	100	0.542	5,228.98	140	0.732	6,825.42	90	0.614	-	-	-	6,825.42	90	0.614
MS96 Window Cutting Assembly <sup>(†)</sup>	3,059.20	681	2.083	5,417.00	100	0.542	5,228.97	120	0.627	6,825.42	90	0.614	-	-	-	6,825.42	90	0.614
MS97 Window Cutting Assembly <sup>(†)</sup>	3,114.35	588	1.831	5,417.00	100	0.542	5,228.97	120	0.627	6,825.42	90	0.614	-	-	-	6,825.42	90	0.614
DWEA Initiator Cartridge <sup>(†)</sup>	872.84	630	0.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MS91 Canopy Removal FCDC <sup>(†)</sup>	1,531.66	500	0.766	2,676.35	100	0.268	2,038.64	100	0.204	2,810.17	90	0.253	-	-	-	2,810.17	90	0.253
MS92 Canopy Removal FCDC <sup>(†)</sup>	1,324.16	950	1.258	2,676.35	100	0.268	2,102.84	100	0.210	2,810.17	90	0.253	-	-	-	2,810.17	90	0.253
JM96 Chinook Impulse Cartridge	799.32	1,086	0.868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TY60 Chinook Fire Bottle Cartridge	600.00	225	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP02/03 UEES Det Cord Assembly	988.61	163	0.161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MT06 Initiator JAU-59A <sup>(†)</sup>	1,596.46	605	0.966	2,036.00	125	0.255	2,100.00	100	0.210	-	-	-	-	-	-	-	-	-
MT20 Ctg Aircraft Fire Extinguisher <sup>(†)</sup>	500.00	200	0.100	500.00	218	0.109	-	-	-	-	-	-	-	-	-	-	-	-
WB53 Ctg Aircraft Fire Extinguisher <sup>(†)</sup>	390.50	1,600	0.625	413.00	770	0.318	413.00	700	0.289	444.15	500	0.222	-	-	-	444.15	500	0.222
MD65 Release Cartridge <sup>(†)</sup>	18.55	1,000	0.019	23.18	700	0.016	-	-	-	-	-	-	-	-	-	-	-	-
SP02 TLX Line <sup>(†)</sup>	936.89	196	0.184	1,680.67	180	0.303	-	-	-	1,440.29	200	0.288	-	-	-	1,440.29	200	0.288
SP03 TLX Line <sup>(†)</sup>	936.89	196	0.184	1,832.08	180	0.330	-	-	-	1,440.29	200	0.288	-	-	-	1,440.29	200	0.288
MD66 Release Cartridge <sup>(†)</sup>	-	-	-	-	-	-	37.99	500	0.019	-	-	-	-	-	-	-	-	-
MS94 Window Cutting Assembly - DO1 <sup>(†)</sup>	-	-	-	4,649.00	100	0.465	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47						<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types						<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
MS95 Window Cutting Assembly - DO1 <sup>(†)</sup>	-	-	-	4,649.00	100	0.465	-	-	-	-	-	-	-	-	-	-	-	-
MS96 Window Cutting Assembly - DO1 <sup>(†)</sup>	-	-	-	4,649.00	100	0.465	-	-	-	-	-	-	-	-	-	-	-	-
MS97 Window Cutting Assembly - DO1 <sup>(†)</sup>	-	-	-	4,649.00	100	0.465	-	-	-	-	-	-	-	-	-	-	-	-
WB53 Ctg Aircraft Fire Extinguisher - DO5 <sup>(†)</sup>	-	-	-	413.00	301	0.124	-	-	-	-	-	-	-	-	-	-	-	-
WB53 Ctg Aircraft Fire Extinguisher - DO6 <sup>(†)</sup>	-	-	-	427.45	350	0.150	-	-	-	-	-	-	-	-	-	-	-	-
MS92 Canopy Removal FCDC - DO2 <sup>(†)</sup>	-	-	-	2,676.35	50	0.134	-	-	-	-	-	-	-	-	-	-	-	-
MS94 Window Cutting Assembly - DO3 <sup>(†)</sup>	-	-	-	6,500.40	30	0.195	-	-	-	-	-	-	-	-	-	-	-	-
MS95 Window Cutting Assembly - DO3 <sup>(†)</sup>	-	-	-	6,500.40	50	0.325	-	-	-	-	-	-	-	-	-	-	-	-
MS97 Window Cutting Assembly - DO3 <sup>(†)</sup>	-	-	-	6,500.40	50	0.325	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	-	-	22.945	-	-	7.572	-	-	4.253	-	-	4.640	-	-	-	-	-	4.640
<b>Non Recurring Cost</b>																		
Prior Years (Multiple DODICs)	-	-	132.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MJ20/MJ21 Decoupling Project	-	-	0.447	-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-
MD66 PIP for JM92	-	-	0.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JN79-82 Startup Costs	-	-	1.142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UEES PIP Procurements	-	-	3.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JM96 & MJ20 Fixtures	-	-	0.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	-	-	137.197	-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	160.142	-	-	7.572	-	-	4.293	-	-	4.640	-	-	-	-	-	4.640
<b>Support - Congressional Adjustments Cost</b>																		
Congressional Rescission	-	-	3.466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types	<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Congressional Adjustments Cost</i>	-	-	3.466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Hardware Analysis Cost</b>																		
Hardware Analysis	-	-	0.309	-	-	0.071	-	-	0.411	-	-	0.469	-	-	-	-	-	0.469
<i>Subtotal: Support - Hardware Analysis Cost</i>	-	-	0.309	-	-	0.071	-	-	0.411	-	-	0.469	-	-	-	-	-	0.469
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.784	-	-	-	-	-	1.861	-	-	1.462	-	-	-	-	-	1.462
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	5.784	-	-	-	-	-	1.861	-	-	1.462	-	-	-	-	-	1.462
<b>Gross/Weapon System Cost</b>	-	-	169.701	-	-	7.643	-	-	6.564	-	-	6.571	-	-	-	-	-	6.571

**Remarks:**

Starting in FY 2023, program switched to three-year IDIQ contracts to alleviate unit cost jumps. There will be multiple price ranges, which will result in less price jumps from year to year. There are second source efforts being worked to help bring competition in pricing and alleviate single point failures.

All CAD/PADs requirements are determined by analyzing number of Army aircraft, on-hand inventory, actual expenditures, shelf life, install life, expiration dates, procurement lead times, and projected contract delivery dates. The number of CAD/PADs procured is to ensure adequate assets are available for fleet support and operational readiness.

**Footnotes:**

- 1) UEES PIP Procurements - Funding formally for Underwater Emergency Egress System procurements
- 2) FY 2023 Hardware Analysis are assessed on three different CAD/PAD items.
- 3) FY 2024 Hardware Analysis are assessed on three different CAD/PAD items.
- 4) FY 2025 Hardware Analysis are assessed on two different CAD/PAD items.
- 5) Production Engineering funding provided to Naval Surface Warfare Center - Indian Head Explosive Ordnance Disposal Technology Division.

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types	<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MS81 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS81 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	120	1,228.51	Y		
MS81 Shielded Det Cord		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	1,952.91	Y		
MS82 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS82 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	120	1,228.51	Y		
MS82 Shielded Det Cord		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2025	90	1,952.91	Y		
MS83 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS83 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	100	1,228.51	Y		
MS83 Shielded Det Cord		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	1,952.91	Y		
MS85 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS85 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	120	1,228.51	Y		
MS86 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS86 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	100	1,228.51	Y		
MS86 Shielded Det Cord		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	1,952.91	Y		
MS87 Shielded Det Cord		2023	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	18	2,900.00	Y		
MS87 Shielded Det Cord		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	100	1,228.51	Y		
MS87 Shielded Det Cord		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2025	90	1,952.91	Y		
MJ21 Impulse Cartridge		2023	TBD / TBD	C / FFP	NAVSUP	Feb 2024	Feb 2025	200	569.91	Y		
MS94 Window Cutting Assembly		2023	Pacific Scientific / Hollister, CA	C / IDIQ	NAVSUP	May 2023	May 2024	100	5,417.00	Y		
MS94 Window Cutting Assembly		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	100	5,228.97	Y		
MS94 Window Cutting Assembly		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	6,825.42	Y		
MS95 Window Cutting Assembly		2023	Pacific Scientific / Hollister, CA	C / IDIQ	NAVSUP	May 2023	May 2024	100	5,417.00	Y		
MS95 Window Cutting Assembly		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2024	140	5,228.98	Y		
MS95 Window Cutting Assembly		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	6,825.42	Y		
MS96 Window Cutting Assembly		2023	Pacific Scientific / Hollister, CA	C / IDIQ	NAVSUP	May 2023	May 2024	100	5,417.00	Y		
MS96 Window Cutting Assembly		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	120	5,228.97	Y		
MS96 Window Cutting Assembly		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	6,825.42	Y		
MS97 Window Cutting Assembly		2023	Pacific Scientific / Hollister, CA	C / IDIQ	NAVSUP	May 2023	May 2024	100	5,417.00	Y		
MS97 Window Cutting Assembly		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	120	5,228.97	Y		
MS97 Window Cutting Assembly		2025	TBD / TBD	Option / FFP	NAVSUP	Mar 2025	Mar 2026	90	6,825.42	Y		
DWEA Initiator Cartridge		2022	Pacific Scientific / Chandler, AZ	C / FFP	NAVSUP	Dec 2022	Dec 2023	230	1,003.00	Y		
MS91 Canopy Removal FCDC		2023	TBD / TBD	C / IDIQ	NAVSUP	Jan 2024	Jan 2025	100	2,676.35	Y		
MS91 Canopy Removal FCDC		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	100	2,038.64	Y		
MS91 Canopy Removal FCDC		2025	TBD / TBD	C / IDIQ	NAVSUP	Mar 2025	Mar 2026	90	2,810.17	Y		

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types	<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MS92 Canopy Removal FCDC		2023	TBD / TBD	C / IDIQ	NAVSUP	Jan 2024	Jan 2025	100	2,676.35	Y		
MS92 Canopy Removal FCDC		2024	TBD / TBD	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	100	2,102.84	Y		
MS92 Canopy Removal FCDC		2025	TBD / TBD	C / IDIQ	NAVSUP	Mar 2025	Mar 2026	90	2,810.17	Y		
MT06 Initiator JAU-59A		2023	Rockwell Collins Inc. / Cedar Rapids, IA	C / IDIQ	NAVSUP	Dec 2022	Dec 2023	125	2,036.00	Y		
MT06 Initiator JAU-59A		2024	Rockwell Collins Inc. / Cedar Rapids, IA	C / IDIQ	NAVSUP	Mar 2024	Mar 2025	100	2,100.00	Y		
MT20 Ctg Aircraft Fire Extinguisher		2023	AMETEK AMERON, LLC / Baldwin Park, CA	C / FFP	NAVSUP	Nov 2022	Nov 2023	218	500.00	Y		
WB53 Ctg Aircraft Fire Extinguisher		2023	AMETEK AMERON, LLC / Baldwin Park, CA	C / IDIQ	NAVSUP	Dec 2022	Dec 2023	770	413.00	Y		
WB53 Ctg Aircraft Fire Extinguisher		2024	AMETEK AMERON, LLC / Baldwin Park, CA	C / IDIQ	NAVSUP	Mar 2024	Mar 2024	700	413.00	Y		
WB53 Ctg Aircraft Fire Extinguisher		2025	TBD / TBD	C / IDIQ	NAVSUP	Mar 2025	Mar 2026	500	444.15	Y		
MD65 Release Cartridge		2023	TBD / TBD	C / FFP	NAVSUP	Jan 2024	Jan 2025	700	23.18	Y		
SP02 TLX Line		2023	Rockwell Collins Inc. / Cedar Rapids, IA	C / FFP	NAVSUP	Oct 2023	Oct 2024	180	1,680.67	Y		
SP02 TLX Line		2025	TBD / TBD	C / FFP	NAVSUP	Mar 2025	Mar 2026	200	1,440.29	Y		
SP03 TLX Line		2023	Rockwell Collins Inc. / Cedar Rapids, IA	C / FFP	NAVSUP	Oct 2023	Oct 2023	180	1,832.08	Y		
SP03 TLX Line		2025	TBD / TBD	C / FFP	NAVSUP	Mar 2025	Mar 2026	200	1,440.29	Y		
MD66 Release Cartridge		2024	TBD / TBD	C / FFP	NAVSUP	Mar 2024	Mar 2025	500	37.99	Y		
MS94 Window Cutting Assembly - DO1		2023	Pacific Scientic / Hollister, CA	C / FFP	NAVSUP	Apr 2023	Apr 2024	100	4,649.00	Y		
MS95 Window Cutting Assembly - DO1		2023	Pacific Scientic / Hollister, CA	C / FFP	NAVSUP	Apr 2023	Apr 2024	100	4,649.00	Y		
MS96 Window Cutting Assembly - DO1		2023	Pacific Scientic / Hollister, CA	C / FFP	NAVSUP	Apr 2023	Apr 2024	100	4,649.00	Y		
MS97 Window Cutting Assembly - DO1		2023	Pacific Scientic / Hollister, CA	C / FFP	NAVSUP	Apr 2023	Apr 2024	100	4,649.00	Y		
WB53 Ctg Aircraft Fire Extinguisher - DO5		2023	AMETEK AMERON, LLC / Baldwin Park, CA	Option / IDIQ	NAVSUP	Jul 2023	Jul 2024	301	413.00	Y		
WB53 Ctg Aircraft Fire Extinguisher - DO6		2023	AMETEK AMERON, LLC / Baldwin Park, CA	Option / IDIQ	NAVSUP	Feb 2024	Feb 2025	350	427.45	Y		
MS92 Canopy Removal FCDC - DO2		2023	TBD / TBD	C / IDIQ	NAVSUP	Apr 2024	Apr 2025	50	2,676.35	Y		
MS94 Window Cutting Assembly - DO3		2023	TBD / TBD	C / IDIQ	NAVSUP	Nov 2024	Nov 2025	30	6,500.40	Y		

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**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2420E61000 / CAD/PAD, All Types	<b>Item Number / Title [DODIC]:</b> EA0003 / CAD/PAD, All Other
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MS95 Window Cutting Assembly - DO3		2023	TBD / TBD	C / IDIQ	NAVSUP	Nov 2024	Nov 2025	50	6,500.40	Y		
MS97 Window Cutting Assembly - DO3		2023	TBD / TBD	C / IDIQ	NAVSUP	Nov 2024	Nov 2025	50	6,500.40	Y		

**Remarks:**  
Contract award and First Delivery projections provided by Naval Surface Warfare Center (NSWC) at Indian Head which awards all procurement contracts for this program. This funding is required to support fleet requirements that take into account the aircraft inventory, maintenance cycle, shelf/install life, procurement lead-times, and expenditures. Due the variability of these factors, actual CAD/PAD end items procured may vary.



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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	747.636	40.965	24.238	21.682	-	21.682	21.848	10.500	8.518	8.395	-	883.782
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	747.636	40.965	24.238	21.682	-	21.682	21.848	10.500	8.518	8.395	-	883.782
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>747.636</b>	<b>40.965</b>	<b>24.238</b>	<b>21.682</b>	<b>-</b>	<b>21.682</b>	<b>21.848</b>	<b>10.500</b>	<b>8.518</b>	<b>8.395</b>	<b>-</b>	<b>883.782</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	201,923.08	160,716.98	-	-	8,417K

**Description:**

This budget line includes Demolition Munitions, All Types.

(E45404) The M17A1 Receiver, Radio Frequency Remote Activation Munition System (RF-RAMS) is a single use item, which is capable of functioning non electric blasting caps or detonation cord. The M17A1 provides the un-tethered capability to wirelessly function/initiate demolition charges or munitions up to and beyond 5 KM line-of-sight/non line-of-sight, once it receives the correct programmed coded signal from the RF-RAMS transmitter. The Receiver is programmed in the field by an RF-RAMS Transmitter and subsequently responds only to that transmitter. This item is Code A, approved for service use.

(E50601) Charge Demolition Block Comp C-4 1-1/4 LB M112 is the primary demolition explosive used by the U.S. Army. The M112 Demolition Block is used for general demolition and, in particular, for destruction of captured enemy ammunition. The block demolition charge consists of 1-1/4 pounds of composition C-4 plastic explosive packed in a mylar-film bag. Pressure sensitive adhesive tape is provided on one of the rectangular surfaces, allowing quick emplacement by the individual soldier on the object to be destroyed. The explosive may be cut and/or removed from its wrapper and hand molded into a desired shape suited to the target. Upon detonation, the shock wave destroys the target by cutting, breaching or cratering. This item is Code A, approved for service use.

(E50703) Bangalore Torpedo 2.5 FT M1A3 is used to clear paths through barbed wire entanglements and minefields. Bangalore torpedoes are also used for clearing heavy undergrowth of bamboo and may also be used as a cratering charge, especially in connection with shaped charges against reinforced concrete targets. The Bangalore Torpedo consist of eight (8) 2.5-foot tubes with eight (8 ea) connecting sleeves and two (2 ea) nose sleeves. Each tube is filled with a main charge of approximately 5.25 pounds of Composition B-4 explosive and a booster assembly, located at each end of the tube, contains 0.5 pounds of Composition A-3. The tubes are joined end-to-end by connecting sleeves until the desired length is attained. The total system length is 20 feet. This item is Code A, approved for service use.

(E50800) 1/4 LB TNT (Tri Nitro Toluene) Block Demolition Charge is one of three TNT charges. TNT demolition charges have a high detonating velocity and are particularly well suited to cutting or breaching hard surface materials. When a charge is detonated, the explosive is converted into compressed gas. The gas exerts pressure in the form of a shock wave which demolishes the target by cutting, breaching, or cratering. The type of demolition achieved depends on the placement of the charge in relation to the target. Unlike the 1 pound and 1/2 pound versions, which are rectangular, the 1/4 pound block is issued in a cylindrical, waterproof, olive-drab cardboard container or an alternative plastic cylindrical container. The cardboard container design has metal ends with a threaded cap well in one end. The plastic designs also have one end with a threaded cap well in one end. This item is Code A, approved for service use.

(E51000) CHARGE, Demo Blk TNT 1 lb - TNT demolition charges have a high detonating velocity and are particularly well suited to cutting or breaching hard surface materials. When a charge is detonated, the explosive is converted into compressed gas. The gas exerts pressure in the form of a shock wave which demolishes the target by cutting, breaching, or cratering. The type of demolition achieved depends on the

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>placement of the charge in relation to the target. The 1 pound block is issued in a rectangular, waterproof, olive-drab plastic cylindrical container. The plastic designs have one end with a threaded cap well in one end. This item is Code A, approved for service use.</p> <p>(E51300) 40LB Cratering Demolition Block Charge is a demolition charge designed to destroy roads, bridge abutments, runways, buildings, fortifications and other concrete structures. It uses a low velocity explosive which destroys by a lifting and heaving motion rather than the cutting action of high velocity charges. The 40 lb. Cratering Charge contains 39 pounds of Composition H-6 Explosive loaded in a steel cylinder. It is approximately 7 inches in diameter and 20 inches tall and packed in an M18A2 container. The H-6 explosive has a relatively low detonating velocity and is therefore unsuitable for cutting and breaching operations. This item is Code A, approved for service use</p> <p>(E51400) M186 Demolition Charge is a 50 foot roll of flexible explosive. It is 3 inches wide and 1/4 inch thick. It can be easily cut and formed into various shapes and is primarily used as a cutting charge. This item is Code A, approved for service use.</p> <p>(E52000) The M4A1 Selectable Light Weight Attack Munition (SLAM) is a multipurpose munition designed to be readily portable and hand-emplaced against lightly armored vehicles, parked aircraft, wheeled or tracked support vehicles, and ammunition or fuel storage sites. The SLAM can be used either day or night during all weather conditions. Man-in-the-loop is required in all attack modes. The improved M4A1 SLAM has several producibility and safety enhancements; these include charges to the mode/time selector switch, housing base and cover assembly and passive sensor assembly. A battery bleed resistor was added for improved safety. This item is Code A, approved for service use.</p> <p>(E52500) Cap Blasting Electric M6 is used to initiate high explosives. It is initiated by an electrical charge from a blasting machine or other source of electric power. Blasting cap M6 consists of a base charge of Rapid Detonating Explosive (RDX), an intermediate charge of lead azide and an ignition charge of smokeless powder, potassium chlorate and lead salt of dinitro cresol in an aluminum alloy cup. Two 12-foot lead wires, connected by a bridge wire in the ignition charge, extend through a rubber plug assembly in the open end of the cup. This item is Code A, approved for service use.</p> <p>(E52600) Cap Blasting M7 is used to initiate high explosives. The M7 consists of an aluminum alloy cup containing an ignition charge of lead styphnate, an intermediate charge of lead azide, and a base charge of RDX. The M7 is initiated with time blasting fuse and a M81 Igniter. This item is Code A, approved for service use.</p> <p>(E53200) Charge Demolition Shaped M3 40 pound are shaped so as to concentrate their explosive force in a particular direction. It is used to blast craters in paved and unpaved roads and to bore holes in metals, masonry or concrete. It contains a 15-inch stand-off, 29.5 pound Comp B main charge and a 0.11 pound Comp A3 booster. This item is Code A, approved for service use.</p> <p>(E54100) Detonating Cord is used to prime and detonate explosive charges. Unlike the time fuze, which burns slowly, detonating cord burns almost instantaneously. It is used to link a series of near simultaneous charges. The Type 1, Class E detonating cord consists of a core of high velocity explosive in a seamless textile tube. The tube is covered with a thin layer of asphalt and sheathed in an outer cover of plastic coated textile. The plastic outer cover is smooth and colored olive drab. This item is Code A, approved for service use.</p> <p>(E54200) CORD DETONATING INERT - The M458 Inert Detonating Cord is similar to the M456 Type 1E in construction and external appearance, consists of an asphalt-coated cotton tube sheathed in an outer cover of smooth plastic coated rayon. The Inert cord differs from the service cord in that the cord of the training item is inert loaded with poly-vinyl chloride (PVC) filler and the plastic outer is blue. This item is Code A, approved for service use.</p> <p>(E60200) Cutter CTG Actuated 2 Sec Delay M21 is a cartridge actuated device that is used in aerial delivery systems for cargo. It severs a reefing line which allows a parachute to fully deploy. The cutter is installed in a mounting bracket which is attached to the parachute. Major components consist of a case, firing pin assembly, lanyard, knife assembly, delay assembly, and cotter pin. This item is Code A, approved for service use.</p> <p>(E78201) Charge Demolition M980 Sheet Explosive, PBXW-202 is a 20 pound, 38 foot roll of flexible explosive. It is 10 inches wide and .083 inches thick. It can be easily cut and formed into various shapes and is primarily used as a cutting charge. This item is Code A, approved for service use.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E81302) Cap Blasting Non-Elec, W/30 ft. Shock Tube is part of the family of Modernized Demolition Initiators (MDI). It consists of a blasting cap which is factory sealed to a length of shock tube. The tube is activated using an M81 igniter. A shock wave travels the length of the tube, with a delay measured in milliseconds, and ignites the blasting cap which in turn initiates the main charge. The MDI is not susceptible to electrostatic discharge or Radio Frequency (RF) jamming. The 30 foot length is generally used as a linking charge for a series of demolitions. This item is Code A, approved for service use.</p> <p>(E81305) ) Non-Elec Delay Blast Cap M14 is part of the family of Modernized Demolition Initiators (MDI). This item is used as a branch line to a primed charge or as a transmission line to facilitate the blast wave. The M11 can be used to ignite the M11/M16, M12/M13, M151/M152 or detonating cord. It is a high strength cap (equal to or better than #12 commercial cap) factory crimped to a 30 foot length of shock tube. The opposite end has a factory sealed crimp to protect it from moisture. The M11 has two flags; a YELLOW flag (2 meters from the cap) and a RED flag (1 meter from the cap). The M11 also has a special plastic connector (called a "J" hook), which facilitates quick and easy attachment onto a detonating cord (e.g., a ring main). This item is Code A, approved for service use.</p> <p>(E81307) Igniter, Time Fuse and Shock Tube, M81 is part of the family of Modernized Demolition Initiators (MDI). The M81 is a device, hand held by the individual Soldier, with a small primer charge that will activate the M700 Time Fuse as well as a shock tube. It is the primary device for all non-electrical demolition initiation. This item is Code A, approved for service use.</p> <p>(E96200) Booster, Demo Charge M152 is part of the family of Modernized Demolition Initiators (MDI). This item physically represents the actual M152, except it is inert. It is used for training and is reusable. The color of the detonating cord is bronze. The ID tags legibly display "M152 Inert". The blasting cap has four holes drilled on the circumference using a #46-48 drill size to establish an unobstructed view through the cap. These holes are 90 degrees apart. The blasting caps are also labeled "inert" on two sides, opposite each other. This item is Code A, approved for service use.</p> <p>(E99901) Cap, Blasting, Non-Electric, 200 Ft Minitube, M19 is part of the family of Modernized Demolition Initiators (MDI). It consists of a dual initiating component used to activate standard military explosives and demolition devices. The MDI is not susceptible to electrostatic discharge or Radio Frequency (RF) jamming. This item is Code A, approved for service use.</p> <p>(E99903) Blast Cap, Non-Elec: 500Ft Minitube, M21 is part of the family of Modernized Demolition Initiators (MDI). It consists of an initiating component used to activate standard military explosives and demolition devices. The MDI is not susceptible to electrostatic discharge or Radio Frequency (RF) jamming. This item is Code A, approved for service use.</p> <p>(E99905) Blast Cap, Non-Elec, 1000Ft Minitube, M23 is part of the family of Modernized Demolition Initiators (MDI). It consists of an initiating component used to activate standard military explosives and demolition devices. The MDI is not susceptible to electrostatic discharge or Radio Frequency (RF) jamming. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification: PB 2025 Army** **Date: March 2024**

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition **P-1 Line Item Number / Title:** 2790E55400 / Demolition Munitions, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E45404 / Receiver, Radio Firing-Remote Actv MunSys(RF-RAMS) [MP47]	P-5a	A		- / 32.124	- / -	- / 4.342	- / 0.829	- / -	- / 0.829
P-5	E50601 / CHARGE, Demo Blk Comp C-4 1-1/4 lb, M112 [M023]	P-5a	A		- / 240.932	- / 0.341	- / -	- / -	- / -	- / -
P-5	E50703 / DEMO KIT, BANGALORE TORPEDO, M1A3 (2.5 foot) [MP03]	P-5a	A		- / -	- / 3.015	- / 0.495	- / 1.978	- / -	- / 1.978
P-5	E50800 / CHARGE, Demo Blk TNT 1/4 lb [M030]	P-5a	A		- / 6.341	- / -	- / 0.372	- / 1.856	- / -	- / 1.856
P-5	E51000 / CHARGE, Demo Blk TNT 1 lb	P-5a	A		- / 6.671	- / -	- / 0.590	- / 5.661	- / -	- / 5.661
P-5	E51300 / CHARGE, Demo Cratering 40 lb [M039]	P-5a	A		- / 52.811	- / 8.988	- / 0.494	- / 0.501	- / -	- / 0.501
P-5	E51400 / CHARGE, Demo, (50ft), Sheet Explosive, M186 [M060]	P-5a	A		- / 20.156	- / 4.082	- / 0.077	- / 0.064	- / -	- / 0.064
P-5	E52000 / MUNITION, Selectable Lightweight Attack (SLAM), M4 [MP12]	P-5a	A		- / 102.663	- / 2.910	- / -	- / -	- / -	- / -
P-5	E52500 / CAP, Blasting Elec, M6 [M130]	P-5a	A		- / 21.451	- / 0.050	- / -	- / -	- / -	- / -
P-5	E52600 / CAP BLASTING NON-ELEC M7	P-5a			- / 11.653	- / 0.032	- / -	- / -	- / -	- / -
P-5	E53200 / CHARGE, Demo Shaped 40 lb, M3	P-5a	A		- / 28.336	- / -	- / 3.676	- / 1.731	- / -	- / 1.731
P-5	E54100 / CORD, Detonating Type 1 [M456]	P-5a	A		- / 41.146	- / 4.171	- / 2.458	- / 2.499	- / -	- / 2.499
P-5	E54200 / CORD DETONATING INERT	P-5a	A		- / 1.494	- / -	- / 0.178	- / 0.206	- / -	- / 0.206
P-5	E60200 / CUTTER, Cartridge Actuated, M21, 2 Second Delay [M500]	P-5a	A		- / 54.410	- / 4.762	- / 2.958	- / 3.023	- / -	- / 3.023
P-5	E78201 / CHARGE, Demo (38FT) Sheet Explosive, PBXW-202 [M980]	P-5a	A		- / 12.047	- / 7.214	- / -	- / -	- / -	- / -
P-5	E81302 / CAP, Blasting Non-Elec, w/30Ft Shock Tube [ML47]	P-5a	A		- / 10.361	- / 0.405	- / 2.425	- / -	- / -	- / -
P-5	E81305 / CAP BLASTING NON-ELEC, DELAY, M14 [MN06]	P-5a	A		- / 15.117	- / 0.130	- / -	- / -	- / -	- / -
P-5	E81307 / IGNITER, Time Fuze and Shock Tube, M81 [MN08]	P-5a	A		- / 23.190	- / 2.656	- / 0.108	- / 0.110	- / -	- / 0.110
P-5	E96200 / BOOSTER, DEMO CHARGE M152 INERT [MN75]	P-5a	A		- / 0.168	- / -	- / 0.380	- / -	- / -	- / -
P-5	E99901 / Cap, Blasting, Non-Electric, 200 Ft Minitube, M19	P-5a	A		- / 6.157	- / -	- / 2.412	- / -	- / -	- / -
P-5	E99903 / CAP, Blasting Non-Elec, w/500Ft Minitube, M21 [MN88]	P-5a	A		- / 28.487	- / 2.134	- / 3.273	- / 3.224	- / -	- / 3.224
P-5	E99905 / CAP, Blast, Non-Elec, 1000Ft Minitube, M23 [MN90]	P-5a	A		- / 31.921	- / 0.075	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 747.636</b>	<b>- / 40.965</b>	<b>- / 24.238</b>	<b>- / 21.682</b>	<b>- / -</b>	<b>- / 21.682</b>

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

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

**Justification:**  
 The FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>FY 2025 Total Base dollars in the amount of \$21.682 million supports procurement of twelve variants of Demolitions.</p> <p>The FY 2023 actuals for base include \$14.766 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.</p> <p>(E45404) M17A1 Receiver, Radio Frequency Remote Activation Munition System (RF-RAMS) [MP47] This is a training standard item used in training and combat. FY 2025 request supports engineering for items in production. FY 2025 Base procurement dollars in the amount of \$0.829 million provides engineering support for items in production. TYPE CLASSIFICATION DATE: 2006</p> <p>E50601 / CHARGE, Demo Blk Comp C-4 1-1/4 lb, M112 [M023] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1964</p> <p>(E50703) DEMO KIT, BANGALORE TORPEDO, M1A3 (2.5 foot) [MP03] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.978 million supports the production of 771 systems. TYPE CLASSIFICATION DATE: 1958</p> <p>(E50800) CHARGE, Demo Blk TNT 1/4 lb [M030] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.856 million supports the production of 179,114 systems. TYPE CLASSIFICATION DATE: 1958</p> <p>(E51000) CHARGE, Demo Blk TNT 1 lb [M032] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$5.661 million supports the production of 214,859 systems. TYPE CLASSIFICATION DATE: 1958</p> <p>(E51300) 40LB Cratering Demolition Block Charge [M039] This is a training standard item used in training and combat. FY 2025 request supports engineering for items in production. FY 2025 Base procurement dollars in the amount of \$0.501 million provides engineering support for items in production. TYPE CLASSIFICATION DATE: 1958</p> <p>(E51400) M186 Demolition Charge [M060] This is a training standard item used in training and combat. FY 2025 request supports engineering for items in production. FY 2025 Base procurement dollars in the amount of \$0.064 million provides engineering support for items in production. TYPE CLASSIFICATION DATE: 1968</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>E52000 / MUNITION, Selectable Lightweight Attack (SLAM), M4 [MP12] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 2011</p> <p>E52500 / CAP, Blasting Elec, M6 [M130] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: January 1960</p> <p>E52600 / CAP BLASTING NON-ELEC M7 [M131] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: October 1986</p> <p>(E53200) Charge Demolition Shaped M3 [M421] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.731 million supports the production of 872 Demolition Shaped Charges. TYPE CLASSIFICATION DATE: 1960</p> <p>(E54100) Detonating Cord, Type 1 [M456] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$2.499 million supports the production of 5,206,021 Detonating Cords. TYPE CLASSIFICATION DATE: 1958</p> <p>(E54200) CORD DETONATING INERT [M458] This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.206 million supports the production of 345,098 Detonating Inerts. TYPE CLASSIFICATION DATE: 1958</p> <p>(E60200) Cutter CTG Actuated 2 Sec delay M21 [M500] This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.023 million supports the production of 4,010 Cutters. TYPE CLASSIFICATION DATE: 1980</p> <p>E78201 / CHARGE, Demo (38FT) Sheet Explosive, PBXW-202 [M980] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: EOD Item Navy Configured</p> <p>E81302 / CAP, Blasting Non-Elec, w/30Ft Shock Tube [ML47] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: April 1996</p> <p>E81305 / CAP BLASTING NON-ELEC, DELAY, M14 [MN06] This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.</p>		

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>TYPE CLASSIFICATION DATE: April 1996</p> <p>(E81307) Igniter, Time Fuze and Shock Tube, M81 [MN08]            This is a training standard item used in training and combat. FY 2025 request supports engineering for items in production. FY 2025 Base procurement dollars in the amount of \$0.110 million provides engineering support for items in production.            TYPE CLASSIFICATION DATE: April 1996</p> <p>E96200 / BOOSTER, DEMO CHARGE M152 INERT [MN75]            This is a training unique item not used in combat. There is no FY 2025 budget request for this item.            TYPE CLASSIFICATION DATE: April 1996</p> <p>E99901 / Cap, Blasting, Non-Electric, 200 Ft Minitube, M19 [MN86]            This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.            TYPE CLASSIFICATION DATE: April 1996</p> <p>(E99903) Blast Cap, Non-Elec: 500Ft Minitube, M21 [MN88]            This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.224 million supports production of 37,444 Blasting Caps.            TYPE CLASSIFICATION DATE: April 1996</p> <p>E99905 / CAP, Blast, Non-Elec, 1000Ft Minitube, M23 [MN90]            This is a training standard item used in training and combat. There is no FY 2025 budget request for this item.            TYPE CLASSIFICATION DATE: April 1996</p>		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E45404 / Receiver, Radio Firing-Remote Actv MunSys(RF-RAMS) [MP47]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	32.124	-	4.342	0.829	-	0.829
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	32.124	-	4.342	0.829	-	0.829
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>32.124</b>	<b>-</b>	<b>4.342</b>	<b>0.829</b>	<b>-</b>	<b>0.829</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	4,809.17	5,345	25.705	-	-	-	5,372.51	612	3.288	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	25.705	-	-	-	-	-	3.288	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>25.705</b>	-	-	-	-	-	<b>3.288</b>	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.327</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	6.092	-	-	-	-	-	1.054	-	-	0.829	-	-	-	-	-	0.829
Subtotal: Support - Production Engineering Cost	-	-	<b>6.092</b>	-	-	-	-	-	<b>1.054</b>	-	-	<b>0.829</b>	-	-	-	-	-	<b>0.829</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>32.124</b>	-	-	-	-	-	<b>4.342</b>	-	-	<b>0.829</b>	-	-	-	-	-	<b>0.829</b>

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



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E45404 / Receiver, Radio Firing-Remote Actv MunSys(RF-RAMS) [MP47]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	MNEMONICS, INC / MELBOURNE, FL	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	612	5,372.51	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E50601 / CHARGE, Demo Blk Comp C-4 1-1/4 lb, M112 [M023]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	240.932	0.341	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	240.932	0.341	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>240.932</b>	<b>0.341</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	113.70	127,521	14.499	11.97	9,508	0.114	-	-	-	-	-	-	-	-	-	-	-	-
COMP C-4 CLASS 3 <sup>(†)</sup>	1,286.27	168,328	216.515	18.10	12,551	0.227	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>231.014</i>	-	-	<i>0.341</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>231.014</i>	-	-	<i>0.341</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<i>0.107</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	9.795	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>9.795</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.017</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>240.932</b>	-	-	<b>0.341</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E50601 / CHARGE, Demo Blk Comp C-4 1-1/4 lb, M112 [M023]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E50601 / CHARGE, Demo Blk Comp C-4 1-1/4 lb, M112 [M023]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
LOAD, ASSEMBLE, PACK (LAP)		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	9,508	11.97	Y		
COMP C-4 CLASS 3		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPORT, TN	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Sep 2023	12,551	18.10	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E50703 / DEMO KIT, BANGALORE TORPEDO, M1A3 (2.5 foot) [MP03]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	3.015	0.495	1.978	-	1.978
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	3.015	0.495	1.978	-	1.978
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	<b>3.015</b>	<b>0.495</b>	<b>1.978</b>	-	<b>1.978</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	1,690.63	942	1.593	1,690.63	61	0.103	1,738.16	771	1.340	-	-	-	1,738.16	771	1.340
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.593	-	-	0.103	-	-	1.340	-	-	-	-	-	1.340
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	1.593	-	-	0.103	-	-	1.340	-	-	-	-	-	1.340
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	1.422	-	-	0.392	-	-	0.638	-	-	-	-	-	0.638
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	1.422	-	-	0.392	-	-	0.638	-	-	-	-	-	0.638
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.015	-	-	0.495	-	-	1.978	-	-	-	-	-	1.978

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E50703 / DEMO KIT, BANGALORE TORPEDO, M1A3 (2.5 foot) [MP03]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	C / TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	942	1,690.63	Y		
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	61	1,690.63	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	C / TBD	PICATINNY ARSENAL, NJ	May 2025	Aug 2026	771	1,738.16	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E50800 / CHARGE, Demo Blk TNT 1/4 lb [M030]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6.341	-	0.372	1.856	-	1.856
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	6.341	-	0.372	1.856	-	1.856
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>6.341</b>	<b>-</b>	<b>0.372</b>	<b>1.856</b>	<b>-</b>	<b>1.856</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	53.48	102,185	5.465	-	-	-	-	-	-	8.87	179,114	1.589	-	-	-	8.87	179,114	1.589
Subtotal: Recurring Cost	-	-	5.465	-	-	-	-	-	-	-	-	1.589	-	-	-	-	-	1.589
Subtotal: Hardware Cost	-	-	<b>5.465</b>	-	-	-	-	-	-	-	-	<b>1.589</b>	-	-	-	-	-	<b>1.589</b>
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.075</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.795	-	-	-	-	-	0.372	-	-	0.266	-	-	-	-	-	0.266
Subtotal: Support - Production Engineering Cost	-	-	<b>0.795</b>	-	-	-	-	-	<b>0.372</b>	-	-	<b>0.266</b>	-	-	-	-	-	<b>0.266</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.005</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>6.341</b>	-	-	-	-	-	<b>0.372</b>	-	-	<b>1.856</b>	-	-	-	-	-	<b>1.856</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E50800 / CHARGE, Demo Blk TNT 1/4 lb [M030]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	C / TBD	ROCK ISLAND ARSENAL, IL	May 2025	May 2026	179,114	8.87	Y		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E51000 / CHARGE, Demo Blk TNT 1 lb

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6.671	-	0.590	5.661	-	5.661
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	6.671	-	0.590	5.661	-	5.661
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>6.671</b>	<b>-</b>	<b>0.590</b>	<b>5.661</b>	<b>-</b>	<b>5.661</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	13.99	250,112	3.499	-	-	-	13.99	9,383	0.131	15.18	214,859	3.262	-	-	-	15.18	214,859	3.262
TNT TYPE I FLAKE (TRINITROTOLUENE) <sup>(†)</sup>	6.24	260,185	1.624	-	-	-	7.07	9,608	0.068	7.21	220,015	1.586	-	-	-	7.21	220,015	1.586
<i>Subtotal: Recurring Cost</i>	-	-	5.123	-	-	-	-	-	0.199	-	-	4.848	-	-	-	-	-	4.848
<i>Subtotal: Hardware Cost</i>	-	-	5.123	-	-	-	-	-	0.199	-	-	4.848	-	-	-	-	-	4.848
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.548	-	-	-	-	-	0.391	-	-	0.811	-	-	-	-	-	0.811
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	1.548	-	-	-	-	-	0.391	-	-	0.811	-	-	-	-	-	0.811
<b>Gross/Weapon System Cost</b>	-	-	6.671	-	-	-	-	-	0.590	-	-	5.661	-	-	-	-	-	5.661

**Remarks:**

FY 2025 Unit Cost price increase is due to added Freight Charge per unit of \$1.12

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E51000 / CHARGE, Demo BIK TNT 1 lb
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / TBD	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	9,383	13.99	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	Option / TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jul 2026	214,859	15.18	Y		
TNT TYPE I FLAKE (TRINITROTOLUENE)		2024	TO BE SELECTED / TBS01	C / TBD	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	9,608	7.07	Y		
TNT TYPE I FLAKE (TRINITROTOLUENE)		2025	TO BE SELECTED / TBS01	Option / TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jul 2026	220,015	7.21	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E51300 / CHARGE, Demo Cratering 40 lb [M039]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				52.811	8.988	0.494	0.501	-	0.501
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				52.811	8.988	0.494	0.501	-	0.501
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>52.811</b>	<b>8.988</b>	<b>0.494</b>	<b>0.501</b>	<b>-</b>	<b>0.501</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	2,222.72	7,916	17.595	587.36	5,664	3.327	-	-	-	-	-	-	-	-	-	-	-	-
COMP B TYPE I GRADE A <sup>(†)</sup>	74.98	288,566	21.637	14.35	206,283	2.960	-	-	-	-	-	-	-	-	-	-	-	-
ALUMINUM POWDER FLAKED <sup>(†)</sup>	18.39	83,750	1.540	3.84	59,869	0.230	-	-	-	-	-	-	-	-	-	-	-	-
COMP D-2 <sup>(†)</sup>	494.84	20,014	9.904	94.54	14,308	1.353	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	50.676	-	-	7.870	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	50.676	-	-	7.870	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.182	-	-	0.146	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.182	-	-	0.146	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.947	-	-	0.972	-	-	0.487	-	-	0.494	-	-	-	-	-	0.494
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	1.947	-	-	0.972	-	-	0.487	-	-	0.494	-	-	-	-	-	0.494
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.006	-	-	-	-	-	0.007	-	-	0.007	-	-	-	-	-	0.007

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E51300 / CHARGE, Demo Cratering 40 lb [M039]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.006	-	-	-	-	-	0.007	-	-	0.007	-	-	-	-	-	0.007
<b>Gross/Weapon System Cost</b>	-	-	52.811	-	-	8.988	-	-	0.494	-	-	0.501	-	-	-	-	-	0.501

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E51300 / CHARGE, Demo Cratering 40 lb [M039]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	5,664	587.36	Y		
COMP B TYPE I GRADE A		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPOINT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Feb 2025	206,283	14.35	Y		
ALUMINUM POWDER FLAKED		2023	TO BE SELECTED / TBS01	C / TBD	ROCK ISLAND ARSENAL, IL	Feb 2024	Feb 2025	59,869	3.84	Y		
COMP D-2		2023	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSPOINT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	May 2024	14,308	94.54	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E51400 / CHARGE, Demo, (50ft), Sheet Explosive, M186 [M060]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	20.156	4.082	0.077	0.064	-	0.064
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	20.156	4.082	0.077	0.064	-	0.064
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>20.156</b>	<b>4.082</b>	<b>0.077</b>	<b>0.064</b>	<b>-</b>	<b>0.064</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	64.32	270,565	17.401	27.24	88,050	2.398	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	17.401	-	-	2.398	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>17.401</b>	-	-	<b>2.398</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.448	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.448</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	2.289	-	-	1.681	-	-	0.077	-	-	0.064	-	-	-	-	-	0.064
Subtotal: Support - Production Engineering Cost	-	-	<b>2.289</b>	-	-	<b>1.681</b>	-	-	<b>0.077</b>	-	-	<b>0.064</b>	-	-	-	-	-	<b>0.064</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.018	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.018</b>	-	-	<b>0.003</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>20.156</b>	<b>-</b>	<b>-</b>	<b>4.082</b>	<b>-</b>	<b>-</b>	<b>0.077</b>	<b>-</b>	<b>-</b>	<b>0.064</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.064</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E51400 / CHARGE, Demo, (50ft), Sheet Explosive, M186 [M060]					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	NSIGN-BICKFORD AEROSPACE & DEFENSE COMPANY / SIMSBURY, CT	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2023	Jan 2024	88,050	27.24	N		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E52000 / MUNITION, Selectable Lightweight Attack (SLAM), M4 [MP12]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	102.663	2.910	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	102.663	2.910	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>102.663</b>	<b>2.910</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round(†)	6,462.41	13,635	88.115	8,688.82	334	2.902	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	88.115	-	-	2.902	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>88.115</b>	-	-	<b>2.902</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	0.893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	2.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>3.399</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Production Qualification Test	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.300</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	10.849	-	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>10.849</b>	-	-	<b>0.008</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>102.663</b>	-	-	<b>2.910</b>	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E52000 / MUNITION, Selectable Lightweight Attack (SLAM), M4 [MP12]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<sup>(†)</sup> indicates the presence of a P-5a		

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E52000 / MUNITION, Selectable Lightweight Attack (SLAM), M4 [MP12]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	NORTHROP GRUMMAN SYSTEMS CORP / PLYMOUTH, MN	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	334	8,688.82	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E52500 / CAP, Blasting Elec, M6 [M130]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	21.451	0.050	-	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	21.451	0.050	-	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>21.451</b>	<b>0.050</b>	-	-	-	-

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

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

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	27.75	718,450	19.935	27.50	1,800	0.050	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	19.935	-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>19.935</b>	-	-	<b>0.050</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.507	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.507</b>	-	-	<b>0.001</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.010</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>21.451</b>	-	-	<b>0.050</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E52500 / CAP, Blasting Elec, M6 [M130]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	TBS / TBS01	C / FFP	Picatinny Arsenal	Apr 2024	Aug 2025	1,800	27.50	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E52600 / CAP BLASTING NON-ELEC M7

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	11.653	0.032	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	11.653	0.032	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>11.653</b>	<b>0.032</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	25.11	417,800	10.491	32.92	972	0.032	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	10.491	-	-	0.032	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>10.491</b>	-	-	<b>0.032</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.162	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.162</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>11.653</b>	-	-	<b>0.032</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E52600 / CAP BLASTING NON-ELEC M7				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Apr 2024	Dec 2024	972	32.92	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E53200 / CHARGE, Demo Shaped 40 lb, M3

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				28.336	-	3.676	1.731	-	1.731
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				28.336	-	3.676	1.731	-	1.731
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>28.336</b>	<b>-</b>	<b>3.676</b>	<b>1.731</b>	<b>-</b>	<b>1.731</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	-	-	28.336	-	-	-	1,132.34	2,163	2.449	1,179.36	872	1.028	-	-	-	1,179.36	872	1.028
COMP B TYPE I GRADE A <sup>(†)</sup>	-	-	-	-	-	-	13.32	69,216	0.922	13.50	27,904	0.377	-	-	-	13.50	27,904	0.377
COMP A-3 <sup>(†)</sup>	-	-	-	-	-	-	3.22	244	0.001	-	-	-	-	-	-	-	-	-
*COMP A-3 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	2.57	99	*.*.*	-	-	-	2.57	99	*.*.*
<i>Subtotal: Recurring Cost</i>	-	-	28.336	-	-	-	-	-	3.372	-	-	1.405	-	-	-	-	-	1.405
<i>Subtotal: Hardware Cost</i>	-	-	28.336	-	-	-	-	-	3.372	-	-	1.405	-	-	-	-	-	1.405
<b>Support - Government Furnished Materials Cost</b>																		
Government Furnished Materials	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Government Furnished Materials Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	0.303	-	-	0.326	-	-	-	-	-	0.326
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.303	-	-	0.326	-	-	-	-	-	0.326
<b>Gross/Weapon System Cost</b>	-	-	28.336	-	-	-	-	-	3.676	-	-	1.731	-	-	-	-	-	1.731

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E53200 / CHARGE, Demo Shaped 40 lb, M3
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
*... represents funding below \$1,000.00 (t) indicates the presence of a P-5a		



**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E53200 / CHARGE, Demo Shaped 40 lb, M3
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / TBD	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	2,163	1,132.34	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	C / TBD	ROCK ISLAND ARSENAL, IL	May 2025	May 2026	872	1,179.36	Y		
COMP B TYPE I GRADE A		2024	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSFORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	69,216	13.32	Y		
COMP B TYPE I GRADE A		2025	BAE SYSTEMS ORDNANCE SYSTEMS / KINGSFORT, TN	Option / IDIQ	ROCK ISLAND ARSENAL, IL	May 2025	Nov 2025	27,904	13.50	Y		
COMP A-3		2024	TO BE SELECTED / TBS01	Option / TBD	ROCK ISLAND ARSENAL, IL	Dec 2023	Apr 2024	244	3.22	Y		
*COMP A-3		2025	GOVERNMENT FURNISHED MATERIAL / STOCK ISSUE,	GFM	ROCK ISLAND ARSENAL, IL	Apr 2025	Sep 2025	99	2.57	N		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E54100 / CORD, Detonating Type 1 [M456]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	41.146	4.171	2.458	2.499	-	2.499
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	41.146	4.171	2.458	2.499	-	2.499
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>41.146</b>	<b>4.171</b>	<b>2.458</b>	<b>2.499</b>	<b>-</b>	<b>2.499</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	0.34	114,865K	38.595	0.39	9,282,000	3.620	0.40	5,207,010	2.083	0.42	5,206,021	2.187	-	-	-	0.42	5,206,021	2.187
<i>Subtotal: Recurring Cost</i>	-	-	38.595	-	-	3.620	-	-	2.083	-	-	2.187	-	-	-	-	-	2.187
<b>Subtotal: Hardware Cost</b>	-	-	<b>38.595</b>	-	-	<b>3.620</b>	-	-	<b>2.083</b>	-	-	<b>2.187</b>	-	-	-	-	-	<b>2.187</b>
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.024</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	2.536	-	-	0.548	-	-	0.373	-	-	0.310	-	-	-	-	-	0.310
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>2.536</b>	-	-	<b>0.548</b>	-	-	<b>0.373</b>	-	-	<b>0.310</b>	-	-	-	-	-	<b>0.310</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.016	-	-	0.003	-	-	0.002	-	-	0.002	-	-	-	-	-	0.002
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.016</b>	-	-	<b>0.003</b>	-	-	<b>0.002</b>	-	-	<b>0.002</b>	-	-	-	-	-	<b>0.002</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>41.146</b>	-	-	<b>4.171</b>	-	-	<b>2.458</b>	-	-	<b>2.499</b>	-	-	-	-	-	<b>2.499</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E54100 / CORD, Detonating Type 1 [M456]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	May 2023	May 2024	9,282,000	0.39	Y		
Complete Round		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	May 2024	May 2025	5,207,010	0.40	Y		
Complete Round		2025	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	ROCK ISLAND ARSENAL, IL	May 2025	May 2026	5,206,021	0.42	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47				<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types			<b>Item Number / Title [DODIC]:</b> E54200 / CORD DETONATING INERT		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )				-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				1.494	-	0.178	0.206	-	0.206
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )				1.494	-	0.178	0.206	-	0.206
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				<b>1.494</b>	<b>-</b>	<b>0.178</b>	<b>0.206</b>	<b>-</b>	<b>0.206</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	1.54	267,899	0.413	-	-	-	1.54	97,954	0.151	0.43	345,098	0.148	-	-	-	0.43	345,098	0.148
<i>Subtotal: Recurring Cost</i>	-	-	0.413	-	-	-	-	-	0.151	-	-	0.148	-	-	-	-	-	0.148
<i>Subtotal: Hardware Cost</i>	-	-	0.413	-	-	-	-	-	0.151	-	-	0.148	-	-	-	-	-	0.148
Support - Production Engineering Cost																		
Production Engineering	-	-	1.081	-	-	-	-	-	0.027	-	-	0.058	-	-	-	-	-	0.058
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	1.081	-	-	-	-	-	0.027	-	-	0.058	-	-	-	-	-	0.058
<b>Gross/Weapon System Cost</b>	-	-	1.494	-	-	-	-	-	0.178	-	-	0.206	-	-	-	-	-	0.206

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E54200 / CORD DETONATING INERT				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	May 2024	May 2025	97,954	1.54	Y		
COMPLETE ROUND		2025	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	Option / FFP	PICATINNY ARSENAL, NJ	May 2025	May 2026	345,098	0.43	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E60200 / CUTTER, Cartridge Actuated, M21, 2 Second Delay [M500]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	54.410	4.762	2.958	3.023	-	3.023
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	54.410	4.762	2.958	3.023	-	3.023
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>54.410</b>	<b>4.762</b>	<b>2.958</b>	<b>3.023</b>	<b>-</b>	<b>3.023</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(t)</sup>	2,210.49	24,307	53.730	710.56	6,184	4.394	673.80	4,027	2.713	687.95	4,010	2.759	-	-	-	687.95	4,010	2.759
<i>Subtotal: Recurring Cost</i>	-	-	53.730	-	-	4.394	-	-	2.713	-	-	2.759	-	-	-	-	-	2.759
<i>Subtotal: Hardware Cost</i>	-	-	53.730	-	-	4.394	-	-	2.713	-	-	2.759	-	-	-	-	-	2.759
Support - Production Engineering Cost																		
Production Engineering	-	-	0.680	-	-	0.368	-	-	0.245	-	-	0.264	-	-	-	-	-	0.264
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.680	-	-	0.368	-	-	0.245	-	-	0.264	-	-	-	-	-	0.264
<b>Gross/Weapon System Cost</b>	-	-	54.410	-	-	4.762	-	-	2.958	-	-	3.023	-	-	-	-	-	3.023

**Remarks:**

Unit cost varies annually based on projected pricing provided by Indian Head Naval Service Warfare Center.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E60200 / CUTTER, Cartridge Actuated, M21, 2 Second Delay [M500]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	NAVAL SURF WARFARE CNTR / LEONARDTOWN, MD	MIPR	ROCK ISLAND ARSENAL, IL	Mar 2023	Jun 2024	6,184	710.56	Y		
Complete Round		2024	NAVAL SURF WARFARE CNTR / LEONARDTOWN, MD	MIPR	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	4,027	673.80	Y		
Complete Round		2025	NAVAL SURF WARFARE CNTR / LEONARDTOWN, MD	MIPR	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	4,010	687.95	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E78201 / CHARGE, Demo (38FT) Sheet Explosive, PBXW-202 [M980]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	12.047	7.214	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	12.047	7.214	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>12.047</b>	<b>7.214</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	105.03	110,875	11.645	17.05	423,108	7.214	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	11.645	-	-	7.214	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>11.645</b>	-	-	<b>7.214</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.394	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>0.394</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.008</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>12.047</b>	-	-	<b>7.214</b>	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E78201 / CHARGE, Demo (38FT) Sheet Explosive, PBXW-202 [M980]					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	ENSIGN-BICKFORD AEROSPACE & DEFENSE COMPANY / SIMSBURY, CT	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2023	May 2025	423,108	17.05	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E81302 / CAP, Blasting Non-Elec, w/30Ft Shock Tube [ML47]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.361	0.405	2.425	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	10.361	0.405	2.425	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.361</b>	<b>0.405</b>	<b>2.425</b>	-	-	-

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

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

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(t)</sup>	23.84	407,742	9.722	25.41	1,080	0.027	24.84	77,711	1.930	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	9.722	-	-	0.027	-	-	1.930	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	9.722	-	-	0.027	-	-	1.930	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.639	-	-	0.378	-	-	0.494	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.639	-	-	0.378	-	-	0.494	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	10.361	-	-	0.405	-	-	2.425	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E81302 / CAP, Blasting Non-Elec, w/30Ft Shock Tube [ML47]				

<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	1,080	25.41	Y		
Complete Round		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	77,711	24.84	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E81305 / CAP BLASTING NON-ELEC, DELAY, M14 [MN06]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.117	0.130	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	15.117	0.130	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>15.117</b>	<b>0.130</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	17.00	885,527	15.056	25.47	4,320	0.110	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	15.056	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>15.056</b>	-	-	<b>0.110</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.035</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.026	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.026</b>	-	-	<b>0.020</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>15.117</b>	-	-	<b>0.130</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E81305 / CAP BLASTING NON-ELEC, DELAY, M14 [MN06]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	4,320	25.47	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E81307 / IGNITER, Time Fuze and Shock Tube, M81 [MN08]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				23.190	2.656	0.108	0.110	-	0.110
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				23.190	2.656	0.108	0.110	-	0.110
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>23.190</b>	<b>2.656</b>	<b>0.108</b>	<b>0.110</b>	-	<b>0.110</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round(†)	32.36	659,212	21.332	5.80	302,400	1.754	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	21.332	-	-	1.754	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	21.332	-	-	1.754	-	-	-	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Initial Spares and Repair Parts Cost	-	-	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Production Qualification Test	-	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	1.804	-	-	0.902	-	-	0.108	-	-	0.110	-	-	-	-	-	0.110

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E81307 / IGNITER, Time Fuze and Shock Tube, M81 [MN08]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	1.804	-	-	0.902	-	-	0.108	-	-	0.110	-	-	-	-	-	0.110
<b>Gross/Weapon System Cost</b>	-	-	23.190	-	-	2.656	-	-	0.108	-	-	0.110	-	-	-	-	-	0.110

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E81307 / IGNITER, Time Fuze and Shock Tube, M81 [MN08]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	UDC USA, INC. / TAMPA, FL	C / FFP	PICATINNY ARSENAL, NJ	May 2023	Aug 2024	302,400	5.80	Y		



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E96200 / BOOSTER, DEMO CHARGE M152 INERT [MN75]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.168	-	0.380	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.168	-	0.380	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.168</b>	<b>-</b>	<b>0.380</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round <sup>(†)</sup>	7.59	14,180	0.108	-	-	-	24.25	12,478	0.303	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	0.108	-	-	-	-	-	0.303	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	0.108	-	-	-	-	-	0.303	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.025	-	-	-	-	-	0.077	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.025	-	-	-	-	-	0.077	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	0.168	-	-	-	-	-	0.380	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E96200 / BOOSTER, DEMO CHARGE M152 INERT [MN75]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	12,478	24.25	N		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E99901 / Cap, Blasting, Non-Electric, 200 Ft Minitube, M19

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		6.157	-	2.412	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		6.157	-	2.412	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		<b>6.157</b>	<b>-</b>	<b>2.412</b>	<b>-</b>	<b>-</b>	<b>-</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	89.60	59,416	5.324	-	-	-	89.14	21,546	1.921	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	5.324	-	-	-	-	-	1.921	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>5.324</b>	-	-	-	-	-	<b>1.921</b>	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.833	-	-	-	-	-	0.491	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.833</b>	-	-	-	-	-	<b>0.491</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>6.157</b>	-	-	-	-	-	<b>2.412</b>	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E99901 / Cap, Blasting, Non-Electric, 200 Ft Minitube, M19					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	21,546	89.14	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E99903 / CAP, Blasting Non-Elec, w/500Ft Minitube, M21 [MN88]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	28.487	2.134	3.273	3.224	-	3.224
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	28.487	2.134	3.273	3.224	-	3.224
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>28.487</b>	<b>2.134</b>	<b>3.273</b>	<b>3.224</b>	<b>-</b>	<b>3.224</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	135.54	178,276	24.163	57.97	31,000	1.797	58.27	44,728	2.606	60.37	37,444	2.260	-	-	-	60.37	37,444	2.260
Subtotal: Recurring Cost	-	-	24.163	-	-	1.797	-	-	2.606	-	-	2.260	-	-	-	-	-	2.260
Subtotal: Hardware Cost	-	-	<b>24.163</b>	-	-	<b>1.797</b>	-	-	<b>2.606</b>	-	-	<b>2.260</b>	-	-	-	-	-	<b>2.260</b>
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.100</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	4.225	-	-	0.337	-	-	0.667	-	-	0.964	-	-	-	-	-	0.964
Subtotal: Support - Production Engineering Cost	-	-	<b>4.225</b>	-	-	<b>0.337</b>	-	-	<b>0.667</b>	-	-	<b>0.964</b>	-	-	-	-	-	<b>0.964</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>28.487</b>	-	-	<b>2.134</b>	-	-	<b>3.273</b>	-	-	<b>3.224</b>	-	-	-	-	-	<b>3.224</b>

**Remarks:**

FY25 Engineering Support increase to the Army is due to a decrease in hardware requirements from other services.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E99903 / CAP, Blasting Non-Elec, w/500Ft Minitube, M21 [MN88]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	Apr 2023	May 2024	31,000	57.97	Y		
Complete Round		2024	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	44,728	58.27	Y		
Complete Round		2025	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	37,444	60.37	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E99905 / CAP, Blast, Non-Elec, 1000Ft Minitube, M23 [MN90]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	31.921	0.075	-	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	31.921	0.075	-	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>31.921</b>	<b>0.075</b>	-	-	-	-

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

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

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	232.76	121,261	28.225	99.30	740	0.073	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	28.225	-	-	0.073	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>28.225</b>	-	-	<b>0.073</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<b>0.100</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.596	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.596</b>	-	-	<b>0.002</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>31.921</b>	-	-	<b>0.075</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 2790E55400 / Demolition Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E99905 / CAP, Blast, Non-Elec, 1000Ft Minitube, M23 [MN90]					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round		2023	ENSIGN-BICKFORD AEROSPACE & / SIMSBURY, CT	Option / FFP	PICATINNY ARSENAL, NJ	Apr 2023	Mar 2024	740	99.30	Y		



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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,281.497	72.198	48.374	32.623	-	32.623	64.785	67.584	66.862	67.530	-	1,701.453
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,281.497	72.198	48.374	32.623	-	32.623	64.785	67.584	66.862	67.530	-	1,701.453
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,281.497</b>	<b>72.198</b>	<b>48.374</b>	<b>32.623</b>	<b>-</b>	<b>32.623</b>	<b>64.785</b>	<b>67.584</b>	<b>66.862</b>	<b>67.530</b>	<b>-</b>	<b>1,701.453</b>

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

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

**Description:**

This budget line includes Grenades, All Types.

**(E00500) GRENADE 66MM VEH LNCHD WHITE SMK SCREENING TNG M82**

M82 Simulant Smoke Grenade is a 66mm fielded grenade used to train in the usage and deployment of the M76 infra-red, M81 graphite, brass flake and L8 Red Phosphorus grenades. M82 contains the same internal and external components of the tactical M76 grenade except for a new fill material (titanium dioxide in place of the brass flake powder) along with a reduction in the amount of black powder contained in the propellant. The grenade is electrically initiated and propellant-launched to disseminate a visual screen cloud at a distance of roughly 30 meters away from the combat equipped vehicle. This item is code A, approved for service use.

**(E31900) FUZE GRENADE HAND PRAC M228**

Fuze Grenade Hand Practice M228 is a pyrotechnic delay-igniting fuze (delay time of 4 to 5.5 seconds) used with the M69 practice grenade body. The grenade is identical in size, shape and weight to the M67 fragmentation hand grenade. It is used to learn about the grenade as well to practice grenade throwing skills. The fuze contains a primer, a pyrotechnic delay column and a black powder output charge (to generate an audible report). A striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly are assembled to the body. This item is Code A, approved for service use.

**(E31911) GRENADE, HAND SMOKE SCREENING, M330**

M330 is an improved obscurant grenade that provides the warfighter with screening performance equivalent to the legacy AN-M8 smoke grenade. M330 will replace the toxic carcinogen fill used in the AN-M8 smoke grenade with a environmentally friendly formulation. The legacy AN-M8 has been restricted to use in contingency operations due to its toxic effects. The M83 training smoke grenade currently used in lieu of AN-M8, in both training and tactical operations, does not give the screening performance comparable to the legacy AN-M8. Soldiers must also use three M83 grenades to produce obscuration effects comparable to a single AN-M8 grenade. M330 will not only reduce the Soldier's combat load but will also provide sufficient tactical obscuration compared to M83 thereby increasing Soldier mobility and survivability during operations under enemy fire. This item is Code A, approved for service use.

**(E32000) GRENADE HAND FRAG DELAY M67**

Grenade Hand Fragmentation Delay M67 consists of a 2.5-inch diameter steel sphere that is designed to burst into numerous fragments when detonated. The grenade body is filled with approximately 5.4 ounces of high explosive Composition B. Each grenade is fitted with an M213 fuze that initiates the explosive charge within 4 to 5.5 seconds after the release of the safety lever. M67 Hand Grenade provides the Soldier with the capability to conduct pre-mobilization training and close combat operations. The M67 is an enabler for Soldier Lethality as it provides Soldiers with a highly effective capability that is easy to throw and

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>can produce casualties to enemy combatants via a 15 meter fragmentation radius. This capability allows for increased lethality of dismounted Soldiers making the unit more efficient and lethal. This item is Code A, approved for service use.</p> <p>(E32200) GRENADE HAND INCENDIARY M14 Grenade Hand Incendiary M14 provides the Warfighter with the capability to destroy weapon caches, artillery pieces, and vehicles by means of a chemical reaction that produces intense heat, called a thermite reaction. In this reaction, powdered aluminum metal and iron oxide react to produce a stream of molten iron and aluminum oxide. This reaction produces a tremendous amount of heat, burning at 2,200 degrees Celsius (3,992 degrees Fahrenheit). Other advantages include its ability to function without an external oxygen source, allowing it to burn underwater. This item is Code A, approved for service use.</p> <p>(E33010) GRENADE HAND OFFENSIVE M111 M111 Offensive Hand Grenade (OHG) consists of a plastic octagonal-shape body designed to provide lethal blast overpressures that are effective in indoor and close combat environments where fragments are not desired to reduce collateral damage. Each grenade is filled with PAX-3 pressed explosive and is fitted with a M213 pyrotechnical delay fuze that initiates the explosive charge. The M111 OHG is an enabler for Soldier lethality as it produces blast overpressures against enemy troops in indoor areas, bunkers, trench lines, and tunnels. This capability allows for increased lethality of dismounted Soldiers making the unit more efficient and lethal. The M111 OHG is a environmentally friendly replacement for the MK3A2 OHG, which contains asbestos. This item will be Code A, approved for service use upon achieving Full Materiel Release, which is anticipated for 4Q FY 2024.</p> <p>(E34001) GRENADE HAND SMOKE GREEN M18 The M18 is an enabler to soldier Lethality as it provides the Warfighter with multi-functional capability that provides both effective marking and screening allowing the unit to be more efficient and effective in combat operations. Grenade Hand Smoke Green M18 is used by the Soldier for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of a thin sheet metal filled with starter patches and a green smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. This item is Code A, approved for service use.</p> <p>(E34002) GRENADE HAND SMOKE YELLOW M18 The M18 is an enabler to soldier lethality as it provides the Warfighter with multi-functional capability that provides both effective marking and screening allowing the unit to be more efficient and effective in combat operations. Grenade Hand Smoke Yellow M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of a thin sheet metal, filled with starter patches and a yellow smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p> <p>(E34003) GRENADE HAND SMOKE RED M18 The M18 is an enabler to soldier Lethality as it provides the Warfighter with multi-functional capability that provides both effective marking and screening allowing the unit to be more efficient and effective in combat operations. Grenade Hand Smoke Red M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of a thin sheet metal filled with starter patches and a red smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p> <p>(E34004) GRENADE HAND SMOKE VIOLET M18 The M18 is an enabler to soldier Lethality as it provides the Warfighter with multi-functional capability that provides both effective marking and screening allowing the unit to be more efficient and effective in combat operations. Grenade Hand Smoke Violet M18 is used by the Warfighter for ground-to-air or ground-to-ground signaling while conducting training and combat operations. Each grenade will emit smoke for 50 to 90 seconds. The grenade body is made of a thin sheet metal filled with starter patches and a violet smoke composition. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E34005) HAND SMOKE VISUAL RESTRICTED TERRAIN M106 The M106 is an enabler to Soldier Lethality as it provides the Warfighter with an instant screening capability which will increase self-protection and maneuver during crucial times allowing the Warfighter to be more efficient and effective in combat operations. Grenade Hand Smoke Visual Restricted M106 rapidly produces a short duration obscurant cloud that provides the Warfighter the capability to obscure the light visible spectrum within restrictive terrain, such as caves and urban structures. It is non-toxic and designed to be safer than current smoke grenades. The fill is non-combustible Titanium Dioxide. This item is code B, not approved for service use</p> <p>(E35801) BODY GRENADE HAND PRAC M112 The M112 Practice Offensive Hand Grenade (POHG) is a reloadable training grenade for the M111 OHG. It consists of a steel octagonal-shape body with the M228 practice grenade fuze to simulate the visual and audible sounds of the M111 OHG. The M112 POHG is identical in size, shape and weight to the M111 OHG. Its purpose is to familiarize Soldiers with the components, characteristics and functioning of the M111 OHG as well as provide realistic training on arming and employing the munition. This item will be Code A, approved for service use upon achieving Full Materiel Release, which is anticipated for 4Q FY 2024.</p> <p>(E69300) GRENADE HAND SMOKE WHITE M83 Grenade Hand Smoke (White) M83 provides the Warfighter the capability to generate white smoke for screening activities while conducting small unit operations in both training and tactical combat operations. It is also used for ground-to-air signaling. This grenade is the tactical interim replacement for the M8 HC Smoke Grenade, which was found to be carcinogenic. The duration of smoke screen or signal is 25 to 70 seconds, average burn time. The grenade body is a cylinder of thin sheet metal. It is filled with non-toxic smoke mixture topped with a starter patch. The Hand Grenade Fuze M201A1 is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mix, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. This item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition

**P-1 Line Item Number / Title:**  
4582E34000 / Grenades, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E00500 / GRENADE 66MM VEH LNCHD WHITE SMK SCREENING TNG M82 [G978]	P-5a	A		- / 36.962	- / 9.212	- / 3.711	- / -	- / -	- / -
P-5	E31900 / FUZE, Grenade, Hand, Practice, M228 [G878]	P-5a	A		- / 286.219	- / 6.166	- / 3.796	- / 3.723	- / -	- / 3.723
P-5	E31911 / GRENADE, HAND:SMOKE, SCREENING, M330	P-5a	A		- / -	- / -	- / 2.968	- / 0.100	- / -	- / 0.100
P-5	E32000 / GRENADE, Hand, Frag, Delay, M67 [G881]	P-5a	A		- / 352.155	- / 5.005	- / 0.457	- / 0.104	- / -	- / 0.104
P-5	E32200 / GRENADE HAND INCENDIARY M14 [G900]	P-5a	A		- / 34.877	- / 13.484	- / -	- / -	- / -	- / -
P-5	E33010 / GRENADE, HAND OFFENSIVE, M111	P-5a, P-21	A		- / 24.163	- / 9.593	- / 19.143	- / 11.498	- / -	- / 11.498
P-5	E34001 / GRENADE, Hand, Smoke, Green, M18 [G940]	P-5a	A		- / 178.858	- / 2.872	- / 3.554	- / 3.522	- / -	- / 3.522
P-5	E34002 / GRENADE, Hand, Smoke, Yellow, M18 [G945]	P-5a	A		- / 109.527	- / 4.228	- / 3.444	- / 3.312	- / -	- / 3.312
P-5	E34003 / GRENADE, Hand, Smoke, Red, M18	P-5a	A		- / 53.949	- / 11.013	- / 3.650	- / 3.717	- / -	- / 3.717
P-5	E34004 / GRENADE, Hand, Smoke, Violet, M18 [G955]	P-5a	A		- / 59.580	- / 6.976	- / 3.395	- / 3.457	- / -	- / 3.457
P-5	E34005 / GRENADE, Hand Smoke Visual Restricted Terrain M106 [GG25]	P-5a	B		- / 25.111	- / 3.649	- / -	- / -	- / -	- / -
P-5	E35801 / BODY, PRACTICE HAND GRENADE, OFFENSIVE, M112 [GG38]	P-5a	A		- / 4.052	- / -	- / 1.123	- / -	- / -	- / -
P-5	E69300 / GRENADE, Hand, Smoke, White, M83 [G982]	P-5a	A		- / 116.044	- / -	- / 3.133	- / 3.190	- / -	- / 3.190
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,281.497</b>	<b>- / 72.198</b>	<b>- / 48.374</b>	<b>- / 32.623</b>	<b>- / -</b>	<b>- / 32.623</b>

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

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

**Justification:**  
 FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense (DoD) Instruction 3000.04 (Munitions Requirements Process) and Army Regulation (AR) 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$32.623 million supports procurement of nine variants of Grenades.

The FY 2023 actuals for base include \$35.947 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E00500) GRENADE 66M VEH LNCHD WHITE SMK SCREENING TNG M82  
 This is a training unique item not used in combat. There is no FY 2025 budget request for this item.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E31900) FUZE GRENADE HAND PRAC M228 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.723 million supports the procurement of 164,988 fuzes. TYPE CLASSIFICATION DATE: March 1971</p> <p>(E31911) GRENADE, HAND SMOKE SCREENING, M330 This is a war reserve item used only in combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.100 million supports the procurement of 390 grenades. TYPE CLASSIFICATION DATE: TBD; pending review of AR 770-3 guidance.</p> <p>(E32000) GRENADE HAND FRAG DELAY M67 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.104 million supports items in production. TYPE CLASSIFICATION DATE: March 1970</p> <p>(E32200) GRENADE HAND INCENDIARY M14 This is a training standard item used in both training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1942</p> <p>(E33010) GRENADE HAND OFFENSIVE M111 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$11.498 million supports the procurement of 29,921 grenades. TYPE CLASSIFICATION DATE: March 2020</p> <p>(E34001) GRENADE HAND SMOKE GREEN M18 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.522 million supports the procurement of 33,693 grenades. Effort is performed at Pine Bluff Arsenal (Pine Bluff, Arkansas). TYPE CLASSIFICATION DATE: September 1943</p> <p>(E34002) GRENADE HAND SMOKE YELLOW M18 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.312 million supports the procurement of 31,234 grenades. Effort is performed at Pine Bluff Arsenal (Pine Bluff, Arkansas). TYPE CLASSIFICATION DATE: September 1943</p> <p>(E34003) GRENADE HAND SMOKE RED M18 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.717 million supports the procurement of 32,863 grenades. Effort is performed at Pine Bluff Arsenal (Pine Bluff, Arkansas). TYPE CLASSIFICATION DATE: September 1943.</p> <p>(E34004) GRENADE HAND SMOKE VIOLET M18</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>This is a training standard item used in both training and in combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.457 million supports the procurement of 30,750 grenades. Effort is performed at Pine Bluff Arsenal (Pine Bluff, Arkansas). TYPE CLASSIFICATION DATE: September 1943</p> <p>(E34005) GRENADE, Hand Smoke Visual Restricted Terrain M106 This is a training standard item used in both training and in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: April 2008</p> <p>(E35801) GRENADE HAND BODY PRACTICE OFFENSIVE M112 This is a training unique item not used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: March 2020</p> <p>(E69300) GRENADE HAND SMOKE WHITE M83 This is a training standard item used in both training and combat. FY 2025 procurement supports annual training and builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$3.190 million supports the procurement of 36,169 grenades. Effort is performed at Pine Bluff Arsenal (Pine Bluff, Arkansas). TYPE CLASSIFICATION DATE: July 1994</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E00500 / GRENADE 66MM VEH LNCHD WHITE SMK SCREENING TNG M82 [G978]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				36.962	9.212	3.711	-	-	-
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				36.962	9.212	3.711	-	-	-
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>36.962</b>	<b>9.212</b>	<b>3.711</b>	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	454.15	28,365	12.882	500.18	16,000	8.003	554.47	4,400	2.440	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	12.882	-	-	8.003	-	-	2.440	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	12.882	-	-	8.003	-	-	2.440	-	-	-	-	-	-	-	-	-
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	23.864	-	-	1.147	-	-	1.271	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	23.864	-	-	1.147	-	-	1.271	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.021	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	0.021	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Support - Study & Analysis Cost																		
Study & Analysis	-	-	-	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E00500 / GRENADE 66MM VEH LNCHD WHITE SMK SCREENING TNG M82 [G978]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	-	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	36.962	-	-	9.212	-	-	3.711	-	-	-	-	-	-	-	-	-

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



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E00500 / GRENADE 66MM VEH LNCHD WHITE SMK SCREENING TNG M82 [G978]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	16,000	500.18	Y		
COMPLETE ROUND		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	4,400	554.47	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E31900 / FUZE, Grenade, Hand, Practice, M228 [G878]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			286.219	6.166	3.796	3.723	-	3.723
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			286.219	6.166	3.796	3.723	-	3.723
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>286.219</b>	<b>6.166</b>	<b>3.796</b>	<b>3.723</b>	-	<b>3.723</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	14.80	18,464,000	273.267	15.13	280,408	4.243	15.59	183,168	2.856	16.14	164,988	2.663	-	-	-	16.14	164,988	2.663
Subtotal: Recurring Cost	-	-	273.267	-	-	4.243	-	-	2.856	-	-	2.663	-	-	-	-	-	2.663
Subtotal: Hardware Cost	-	-	273.267	-	-	4.243	-	-	2.856	-	-	2.663	-	-	-	-	-	2.663
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Safety	-	-	-	-	-	0.497	-	-	-	-	-	-	-	-	-	-	-	-
Reliability	-	-	-	-	-	0.115	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	-	-	-	0.612	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	5.006	-	-	1.189	-	-	0.936	-	-	1.056	-	-	-	-	-	1.056
Subtotal: Support - Production Engineering Cost	-	-	5.006	-	-	1.189	-	-	0.936	-	-	1.056	-	-	-	-	-	1.056
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.054	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E31900 / FUZE, Grenade, Hand, Practice, M228 [G878]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.054	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Support - Recapitalization Cost</b>																		
Recapitalization	-	-	7.433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Recapitalization Cost</i>	-	-	7.433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Staging and Transportation Cost</b>																		
Staging and Transportation	-	-	0.191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	0.191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Study &amp; Analysis Cost</b>																		
Study & Analysis	-	-	0.171	-	-	0.118	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	0.171	-	-	0.118	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	286.219	-	-	6.166	-	-	3.796	-	-	3.723	-	-	-	-	-	3.723

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types					<b>Item Number / Title [DODIC]:</b> E31900 / FUZE, Grenade, Hand, Practice, M228 [G878]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	Rock Island Arsenal, IL	Aug 2023	Aug 2024	280,408	15.13	Y		
COMPLETE ROUND		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	183,168	15.59	Y		
COMPLETE ROUND		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	164,988	16.14	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E31911 / GRENADE, HAND:SMOKE, SCREENING, M330

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	2.968	0.100	-	0.100
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	2.968	0.100	-	0.100
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	-	<b>2.968</b>	<b>0.100</b>	-	<b>0.100</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	-	-	-	-	-	-	204.63	12,303	2.518	208.92	390	0.081	-	-	-	208.92	390	0.081
FUZE,HAND GRENADE M201 <sup>(†)</sup>	-	-	-	-	-	-	13.61	12,795	0.174	14.01	405	0.006	-	-	-	14.01	405	0.006
TOP, GREN <sup>(†)</sup>	-	-	-	-	-	-	1.18	13,287	0.016	1.46	421	0.001	-	-	-	1.46	421	0.001
BODY, GREN <sup>(†)</sup>	-	-	-	-	-	-	1.18	13,287	0.016	1.46	421	0.001	-	-	-	1.46	421	0.001
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	2.723	-	-	0.088	-	-	-	-	-	0.088
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	2.723	-	-	0.088	-	-	-	-	-	0.088
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	0.244	-	-	0.009	-	-	-	-	-	0.009
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.244	-	-	0.009	-	-	-	-	-	0.009
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	2.968	-	-	0.100	-	-	-	-	-	0.100

**Remarks:**

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E31911 / GRENADE, HAND:SMOKE, SCREENING, M330
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
FY 2025 hardware unit price increase due to updated depot rates.		
Production engineering cost fluctuations across FY24 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.		
(t) indicates the presence of a P-5a		

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types					<b>Item Number / Title [DODIC]:</b> E31911 / GRENADE, HAND:SMOKE, SCREENING, M330				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	12,303	204.63	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2025	Nov 2026	390	208.92	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	12,795	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2025	May 2026	405	14.01	Y		
TOP, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	13,287	1.18	Y		
TOP, GREN		2025	T0 BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	May 2025	Nov 2025	421	1.46	Y		
BODY, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	13,287	1.18	Y		
BODY, GREN		2025	T0 BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	May 2025	Nov 2025	421	1.46	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E32000 / GRENADE, Hand, Frag, Delay, M67 [G881]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		352.155	5.005	0.457	0.104	-	0.104
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		352.155	5.005	0.457	0.104	-	0.104
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>352.155</b>	<b>5.005</b>	<b>0.457</b>	<b>0.104</b>	-	<b>0.104</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE GRENADE <sup>(f)</sup>	62.05	5,424,899	336.615	67.12	21,529	1.445	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	336.615	-	-	1.445	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>336.615</b>	-	-	<b>1.445</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Demilitarization Cost</b>																		
TRANSPORTATION	-	-	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Demilitarization Cost</i>	-	-	<b>0.030</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Production Verification Test	-	-	0.709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safety	-	-	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reliability	-	-	0.282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>1.014</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	14.352	-	-	3.554	-	-	0.457	-	-	0.104	-	-	-	-	-	0.104
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>14.352</b>	-	-	<b>3.554</b>	-	-	<b>0.457</b>	-	-	<b>0.104</b>	-	-	-	-	-	<b>0.104</b>
<b>Support - Quality Assurance Cost</b>																		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E32000 / GRENADE, Hand, Frag, Delay, M67 [G881]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Quality Assurance	-	-	0.098	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.098</b>	-	-	<b>0.006</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Study &amp; Analysis Cost</b>																		
Study & Analysis	-	-	0.046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	<b>0.046</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>352.155</b>	-	-	<b>5.005</b>	-	-	<b>0.457</b>	-	-	<b>0.104</b>	-	-	-	-	-	<b>0.104</b>

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E32000 / GRENADE, Hand, Frag, Delay, M67 [G881]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE GRENADE		2023	DAY & ZIMMERMAN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Aug 2024	21,529	67.12	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E32200 / GRENADE HAND INCENDIARY M14 [G900]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	34.877	13.484	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	34.877	13.484	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>34.877</b>	<b>13.484</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Load, Assemble, Pack (Lap) <sup>(†)</sup>	141.10	103,363	14.584	148.41	81,732	12.130	-	-	-	-	-	-	-	-	-	-	-	-
FUZE,HAND GRENADE M201 <sup>(†)</sup>	12.50	99,924	1.249	13.50	85,001	1.148	-	-	-	-	-	-	-	-	-	-	-	-
TOP, GREN <sup>(†)</sup>	1.16	79,769	0.093	1.17	88,271	0.103	-	-	-	-	-	-	-	-	-	-	-	-
BODY, GREN <sup>(†)</sup>	1.16	79,769	0.093	1.17	88,271	0.103	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>16.019</i>	-	-	<i>13.484</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>16.019</i>	-	-	<i>13.484</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Industrial Facilities Cost</b>																		
Equipment Acquisition or Modernization	-	-	0.757	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Industrial Facilities Cost</i>	-	-	<i>0.757</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	18.084	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>18.084</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E32200 / GRENADE HAND INCENDIARY M14 [G900]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	34.877	-	-	13.484	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E32200 / GRENADE HAND INCENDIARY M14 [G900]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Load, Assemble, Pack (Lap)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Aug 2024	81,732	148.41	Y		
FUZE,HAND GRENADE M201		2023	NAMMO PERRY INC. / PERRY, FL	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	85,001	13.50	Y		
TOP, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	88,271	1.17	Y		
BODY, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2023	Apr 2024	88,271	1.17	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		24.163	9.593	19.143	11.498	-	11.498
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		24.163	9.593	19.143	11.498	-	11.498
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>24.163</b>	<b>9.593</b>	<b>19.143</b>	<b>11.498</b>	<b>-</b>	<b>11.498</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round - M111 <sup>(†)</sup>	161.05	117,044	18.850	167.28	12,899	2.158	224.40	55,844	12.531	229.11	29,921	6.855	-	-	-	229.11	29,921	6.855
PAX=3 <sup>(†)</sup>	-	-	-	59.18	21,592	1.278	59.16	48,584	2.874	60.40	26,031	1.572	-	-	-	60.40	26,031	1.572
BDNPA/F Binder <sup>(†)</sup>	-	-	-	-	-	-	80.58	7,259	0.585	82.27	3,823	0.315	-	-	-	82.27	3,823	0.315
<i>Subtotal: Recurring Cost</i>	-	-	18.850	-	-	3.436	-	-	15.991	-	-	8.742	-	-	-	-	-	8.742
<i>Subtotal: Hardware Cost</i>	-	-	18.850	-	-	3.436	-	-	15.991	-	-	8.742	-	-	-	-	-	8.742
<b>Support - Demilitarization Cost</b>																		
TRANSPORTATION	-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Demilitarization Cost</i>	-	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Production Verification Test	-	-	-	-	-	1.599	-	-	-	-	-	-	-	-	-	-	-	-
Insensitive Munitions	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	1.699	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.128	-	-	4.456	-	-	3.150	-	-	2.754	-	-	-	-	-	2.754
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	5.128	-	-	4.456	-	-	3.150	-	-	2.754	-	-	-	-	-	2.754

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.003	-	-	0.002	-	-	0.002	-	-	0.002	-	-	-	-	-	0.002
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.003</b>	-	-	<b>0.002</b>	-	-	<b>0.002</b>	-	-	<b>0.002</b>	-	-	-	-	-	<b>0.002</b>
Support - Study & Analysis Cost																		
Study & Analysis	-	-	0.131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	<b>0.131</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>24.163</b>	-	-	<b>9.593</b>	-	-	<b>19.143</b>	-	-	<b>11.498</b>	-	-	-	-	-	<b>11.498</b>

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Complete Round - M111 <sup>(t)</sup>		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	Rock Island, IL	Sep 2023	Dec 2024	12,899	167.28	N		
Complete Round - M111 <sup>(t)</sup>		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	Rock Island, IL	May 2024	Nov 2025	55,844	224.40	N		
Complete Round - M111 <sup>(t)</sup>		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	Rock Island, IL	May 2025	Nov 2026	29,921	229.11	N		
PAX=3		2023	BAE - BDNPA/F / Kingsport, TN	Option / FPIF	Rock Island, IL	Sep 2023	Dec 2024	21,592	59.18	N		
PAX=3		2024	BAE - BDNPA/F / Kingsport, TN	Option / FPIF	Rock Island, IL	May 2024	May 2025	48,584	59.16	N		
PAX=3		2025	BAE - BDNPA/F / Kingsport, TN	Option / FPIF	Rock Island, IL	May 2025	Nov 2026	26,031	60.40	N		
BDNPA/F Binder		2024	BAE - BDNPA/F / Kingsport, TN	MIPR	Picatinny Arsenal, NJ	May 2024	Nov 2025	7,259	80.58	N		
BDNPA/F Binder		2025	BAE - BDNPA/F / Kingsport, TN	MIPR	Picatinny Arsenal, NJ	May 2025	Nov 2026	3,823	82.27	N		

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





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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47										<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types										<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
Complete Round - M111																																					
Prior Years Deliveries: 117044																																					
	1	2023	ARMY	12.899	.000	12.899	-	-	1.347	1.091	1.046	1.046	1.046	1.046	1.046	1.045	1.046	1.046	1.047	1.047															.000		
	1	2024	ARMY	55.844	.000	55.844	-	-	-	-	-	-	-	-	-	-	-	-	-	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	4.904	1.900			
	1	2025	ARMY	29.921	.000	29.921								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.921				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47										<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types										<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027															Fiscal Year 2028															B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 6	BAL D U E A S O F 1 O C T	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

Complete Round - M111

Prior Years Deliveries: 117044																																			
1	2023	ARMY	12.899	12.899	.000																														.000
1	2024	ARMY	55.844	53.944	1.900	1.900																													.000
1	2025	ARMY	29.921	.000	29.921	-	4.000	4.000	4.000	4.000	4.000	4.000	4.000	1.921																					.000
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E33010 / GRENADE, HAND OFFENSIVE, M111

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	DAY & ZIMMERMANN LONE STAR - TEXARKANA, TX	400	1,000	15,000	8	8	24	32	8	8	18	26

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E34001 / GRENADE, Hand, Smoke, Green, M18 [G940]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	178.858	2.872	3.554	3.522	-	3.522
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	178.858	2.872	3.554	3.522	-	3.522
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>178.858</b>	<b>2.872</b>	<b>3.554</b>	<b>3.522</b>	<b>-</b>	<b>3.522</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Load, Assemble, Pack (Lap) <sup>(†)</sup>	51.54	3,334,682	171.870	58.93	27,695	1.632	64.47	34,859	2.247	65.05	33,693	2.192	-	-	-	65.05	33,693	2.192
FUZE,HAND GRENADE M201 <sup>(†)</sup>	12.50	177,181	2.215	13.10	28,803	0.377	13.61	36,253	0.493	14.02	35,040	0.491	-	-	-	14.02	35,040	0.491
TOP, GREN <sup>(†)</sup>	1.18	149,446	0.176	1.14	29,911	0.034	1.18	37,647	0.044	1.46	36,388	0.053	-	-	-	1.46	36,388	0.053
BODY, GREN <sup>(†)</sup>	1.18	149,446	0.176	1.14	29,911	0.034	1.18	37,647	0.044	1.46	36,388	0.053	-	-	-	1.46	36,388	0.053
<i>Subtotal: Recurring Cost</i>	-	-	174.437	-	-	2.078	-	-	2.830	-	-	2.789	-	-	-	-	-	2.789
<i>Subtotal: Hardware Cost</i>	-	-	174.437	-	-	2.078	-	-	2.830	-	-	2.789	-	-	-	-	-	2.789
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Safety	-	-	-	-	-	0.271	-	-	-	-	-	-	-	-	-	-	-	-
Reliability	-	-	0.065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	0.065	-	-	0.271	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.748	-	-	0.520	-	-	0.720	-	-	0.729	-	-	-	-	-	0.729

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34001 / GRENADE, Hand, Smoke, Green, M18 [G940]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	3.748	-	-	0.520	-	-	0.720	-	-	0.729	-	-	-	-	-	0.729
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.030	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.030	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Study & Analysis Cost																		
Study & Analysis	-	-	0.211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	0.211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	178.858	-	-	2.872	-	-	3.554	-	-	3.522	-	-	-	-	-	3.522

**Remarks:**  
 FY 2025 hardware unit price increase due to updated depot rates.  
  
 Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.  
  
 (t) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E34001 / GRENADE, Hand, Smoke, Green, M18 [G940]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Load, Assemble, Pack (Lap)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	27,695	58.93	Y		
Load, Assemble, Pack (Lap)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	34,859	64.47	Y		
Load, Assemble, Pack (Lap)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	33,693	65.05	Y		
FUZE,HAND GRENADE M201		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Apr 2024	28,803	13.10	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	36,253	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	35,040	14.02	Y		
TOP, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	29,911	1.14	Y		
TOP, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	37,647	1.18	Y		
TOP, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	36,388	1.46	Y		
BODY, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	29,911	1.14	Y		
BODY, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	37,647	1.18	Y		
BODY, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	36,388	1.46	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34002 / GRENADE, Hand, Smoke, Yellow, M18 [G945]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		109.527	4.228	3.444	3.312	-	3.312
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		109.527	4.228	3.444	3.312	-	3.312
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>109.527</b>	<b>4.228</b>	<b>3.444</b>	<b>3.312</b>	<b>-</b>	<b>3.312</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Load, Assemble, Pack (Lap) <sup>(†)</sup>	65.45	1,559,053	102.040	71.25	36,920	2.631	65.90	33,272	2.193	66.41	31,234	2.074	-	-	-	66.41	31,234	2.074
FUZE,HAND GRENADE M201 <sup>(†)</sup>	12.50	256,369	3.205	13.30	45,533	0.606	13.61	34,602	0.471	14.02	32,483	0.455	-	-	-	14.02	32,483	0.455
TOP, GREN <sup>(†)</sup>	1.18	211,808	0.250	1.16	47,285	0.055	1.17	35,933	0.042	1.46	33,732	0.049	-	-	-	1.46	33,732	0.049
BODY, GREN <sup>(†)</sup>	1.18	211,808	0.250	1.16	47,285	0.055	1.18	35,933	0.042	1.46	33,732	0.049	-	-	-	1.46	33,732	0.049
<i>Subtotal: Recurring Cost</i>	-	-	<i>105.744</i>	-	-	<i>3.346</i>	-	-	<i>2.748</i>	-	-	<i>2.628</i>	-	-	-	-	-	<i>2.628</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>105.744</i>	-	-	<i>3.346</i>	-	-	<i>2.748</i>	-	-	<i>2.628</i>	-	-	-	-	-	<i>2.628</i>
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	0.517	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<i>0.517</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.232	-	-	0.646	-	-	0.691	-	-	0.679	-	-	-	-	-	0.679
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>3.232</i>	-	-	<i>0.646</i>	-	-	<i>0.691</i>	-	-	<i>0.679</i>	-	-	-	-	-	<i>0.679</i>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.033	-	-	0.003	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.033</i>	-	-	<i>0.003</i>	-	-	<i>0.004</i>	-	-	<i>0.004</i>	-	-	-	-	-	<i>0.004</i>



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34002 / GRENADE, Hand, Smoke, Yellow, M18 [G945]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Study & Analysis Cost																		
Study & Analysis	-	-	-	-	-	0.232	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	-	-	-	0.232	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	109.527	-	-	4.228	-	-	3.444	-	-	3.312	-	-	-	-	-	3.312

**Remarks:**

FY 2025 hardware unit price increase due to updated depot rates.

Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34002 / GRENADE, Hand, Smoke, Yellow, M18 [G945]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Load, Assemble, Pack (Lap)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	36,920	71.25	Y		
Load, Assemble, Pack (Lap)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jan 2027	33,272	65.90	Y		
Load, Assemble, Pack (Lap)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	31,234	66.41	Y		
FUZE,HAND GRENADE M201		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Apr 2024	45,533	13.30	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jan 2026	34,602	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	32,483	14.02	Y		
TOP, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	47,285	1.16	Y		
TOP, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jan 2026	35,933	1.17	Y		
TOP, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	33,732	1.46	Y		
BODY, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	47,285	1.16	Y		
BODY, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jan 2026	35,933	1.18	Y		
BODY, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	33,732	1.46	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E34003 / GRENADE, Hand, Smoke, Red, M18

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	53.949	11.013	3.650	3.717	-	3.717
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	53.949	11.013	3.650	3.717	-	3.717
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>53.949</b>	<b>11.013</b>	<b>3.650</b>	<b>3.717</b>	<b>-</b>	<b>3.717</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	92.00	561,524	51.660	89.59	97,816	8.763	76.99	31,616	2.434	72.86	32,863	2.394	-	-	-	72.86	32,863	2.394
FUZE, HAND GRENADE M201 <sup>(†)</sup>	12.50	95,826	1.198	13.50	141,232	1.907	13.61	32,880	0.447	14.02	34,177	0.479	-	-	-	14.02	34,177	0.479
TOP, GREN <sup>(†)</sup>	1.15	52,342	0.060	1.17	146,664	0.172	1.18	34,145	0.040	1.46	35,492	0.052	-	-	-	1.46	35,492	0.052
BODY, GREN <sup>(†)</sup>	1.15	52,342	0.060	1.17	146,664	0.172	1.18	34,145	0.040	1.46	35,492	0.052	-	-	-	1.46	35,492	0.052
<i>Subtotal: Recurring Cost</i>	-	-	52.978	-	-	11.013	-	-	2.962	-	-	2.977	-	-	-	-	-	2.977
<i>Subtotal: Hardware Cost</i>	-	-	52.978	-	-	11.013	-	-	2.962	-	-	2.977	-	-	-	-	-	2.977
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.968	-	-	0.000	-	-	0.688	-	-	0.735	-	-	-	-	-	0.735
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.968	-	-	-	-	-	0.688	-	-	0.735	-	-	-	-	-	0.735
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.002	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.002	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	-	-	53.949	-	-	11.013	-	-	3.650	-	-	3.717	-	-	-	-	-	3.717

**Remarks:**

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34003 / GRENADE, Hand, Smoke, Red, M18
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
FY 2025 hardware unit price changes due to updated depot rates.		
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.		
(t) indicates the presence of a P-5a		

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**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34003 / GRENADE, Hand, Smoke, Red, M18
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	97,816	89.59	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	31,616	76.99	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	32,863	72.86	Y		
FUZE,HAND GRENADE M201		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	141,232	13.50	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	32,880	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	34,177	14.02	Y		
TOP, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	146,664	1.17	Y		
TOP, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	34,145	1.18	Y		
TOP, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	35,492	1.46	Y		
BODY, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	146,664	1.17	Y		
BODY, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	34,145	1.18	Y		
BODY, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	35,492	1.46	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E34004 / GRENADE, Hand, Smoke, Violet, M18 [G955]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				59.580	6.976	3.395	3.457	-	3.457
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				59.580	6.976	3.395	3.457	-	3.457
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>59.580</b>	<b>6.976</b>	<b>3.395</b>	<b>3.457</b>	<b>-</b>	<b>3.457</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Load, Assemble, Pack (Lap) <sup>(†)</sup>	65.45	869,506	56.909	67.76	65,367	4.429	76.34	29,553	2.256	72.25	30,750	2.222	-	-	-	72.25	30,750	2.222
FUZE,HAND GRENADE M201 <sup>(†)</sup>	12.50	75,216	0.940	13.35	81,709	1.091	13.61	30,734	0.418	14.02	31,979	0.448	-	-	-	14.02	31,979	0.448
TOP, GREN <sup>(†)</sup>	1.15	59,819	0.069	1.16	84,851	0.098	1.18	31,917	0.038	1.46	33,209	0.048	-	-	-	1.46	33,209	0.048
BODY, GREN <sup>(†)</sup>	1.15	59,818	0.069	1.16	84,851	0.098	1.18	31,917	0.038	1.46	33,209	0.048	-	-	-	1.46	33,209	0.048
<i>Subtotal: Recurring Cost</i>	-	-	<b>57.987</b>	-	-	<b>5.717</b>	-	-	<b>2.750</b>	-	-	<b>2.767</b>	-	-	-	-	-	<b>2.767</b>
<i>Subtotal: Hardware Cost</i>	-	-	<b>57.987</b>	-	-	<b>5.717</b>	-	-	<b>2.750</b>	-	-	<b>2.767</b>	-	-	-	-	-	<b>2.767</b>
<b>Support - Product Improvement Cost</b>																		
Production Verification Test	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>0.017</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.556	-	-	1.257	-	-	0.642	-	-	0.686	-	-	-	-	-	0.686
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.556</b>	-	-	<b>1.257</b>	-	-	<b>0.642</b>	-	-	<b>0.686</b>	-	-	-	-	-	<b>0.686</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.020	-	-	0.003	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34004 / GRENADE, Hand, Smoke, Violet, M18 [G955]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.020	-	-	0.003	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	-	-	59.580	-	-	6.976	-	-	3.395	-	-	3.457	-	-	-	-	-	3.457

**Remarks:**

FY 2025 hardware unit price changes due to updated depot rates.

Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E34004 / GRENADE, Hand, Smoke, Violet, M18 [G955]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Load, Assemble, Pack (Lap)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Apr 2023	Jun 2024	65,367	67.76	Y		
Load, Assemble, Pack (Lap)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	29,553	76.34	Y		
Load, Assemble, Pack (Lap)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	30,750	72.25	Y		
FUZE,HAND GRENADE M201		2023	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2023	Apr 2024	81,709	13.35	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	30,734	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	31,979	14.02	Y		
TOP, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	84,851	1.16	Y		
TOP, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	31,917	1.18	Y		
TOP, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	33,209	1.46	Y		
BODY, GREN		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Apr 2024	84,851	1.16	Y		
BODY, GREN		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	31,917	1.18	Y		
BODY, GREN		2025	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	33,209	1.46	Y		



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E34005 / GRENADE, Hand Smoke Visual Restricted Terrain M106 [GG25]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	25.111	3.649	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	25.111	3.649	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>25.111</b>	<b>3.649</b>	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Complete Round <sup>(†)</sup>	157.15	112,684	17.708	144.49	19,199	2.774	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	17.708	-	-	2.774	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	17.708	-	-	2.774	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Acceptance Testing Cost</b>																		
First Article Test	-	-	0.104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Product Improvement Cost</b>																		
Safety	-	-	0.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	0.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	6.385	-	-	0.875	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	6.385	-	-	0.875	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>25.111</b>	-	-	<b>3.649</b>	-	-	-	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E34005 / GRENADE, Hand Smoke Visual Restricted Terrain M106 [GG25]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Complete Round		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Jun 2024	19,199	144.49	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E35801 / BODY, PRACTICE HAND GRENADE, OFFENSIVE, M112 [GG38]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.052	-	1.123	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.052	-	1.123	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.052</b>	<b>-</b>	<b>1.123</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	37.13	92,688	3.442	-	-	-	64.15	6,244	0.401	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	3.442	-	-	-	-	-	0.401	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	<b>3.442</b>	-	-	-	-	-	<b>0.401</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.611	-	-	-	-	-	0.722	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	<b>0.611</b>	-	-	-	-	-	<b>0.722</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>4.052</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.123</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E35801 / BODY, PRACTICE HAND GRENADE, OFFENSIVE, M112 [GG38]					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	6,244	64.15	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types
		<b>Item Number / Title [DODIC]:</b> E69300 / GRENADE, Hand, Smoke, White, M83 [G982]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			116.044	-	3.133	3.190	-	3.190
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			116.044	-	3.133	3.190	-	3.190
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>116.044</b>	<b>-</b>	<b>3.133</b>	<b>3.190</b>	<b>-</b>	<b>3.190</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
GRENADE, METAL PARTS SET	1.91	258,869	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	52.36	2,165,962	113.410	-	-	-	51.73	35,647	1.844	50.18	36,169	1.815	-	-	-	50.18	36,169	1.815
FUZE,HAND GRENADE M201 <sup>(†)</sup>	12.85	95,498	1.227	-	-	-	13.61	37,072	0.505	14.02	37,615	0.527	-	-	-	14.02	37,615	0.527
TOP, GREN <sup>(†)</sup>	-	-	-	-	-	-	1.17	38,498	0.045	1.46	39,062	0.057	-	-	-	1.46	39,062	0.057
BODY, GREN <sup>(†)</sup>	-	-	-	-	-	-	1.18	38,498	0.045	1.46	39,062	0.057	-	-	-	1.46	39,062	0.057
<i>Subtotal: Recurring Cost</i>	-	-	<i>115.131</i>	-	-	-	-	-	<i>2.439</i>	-	-	<i>2.456</i>	-	-	-	-	-	<i>2.456</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>115.131</i>	-	-	-	-	-	<i>2.439</i>	-	-	<i>2.456</i>	-	-	-	-	-	<i>2.456</i>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.882	-	-	-	-	-	0.694	-	-	0.730	-	-	-	-	-	0.730
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>0.882</i>	-	-	-	-	-	<i>0.694</i>	-	-	<i>0.730</i>	-	-	-	-	-	<i>0.730</i>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.032	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.032</i>	-	-	-	-	-	-	-	-	<i>0.003</i>	-	-	-	-	-	<i>0.003</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>116.044</b>	-	-	-	-	-	<b>3.133</b>	-	-	<b>3.190</b>	-	-	-	-	-	<b>3.190</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types	<b>Item Number / Title [DODIC]:</b> E69300 / GRENADE, Hand, Smoke, White, M83 [G982]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

**Remarks:**  
FY 2025 hardware unit price changes due to updated depot rates.  
  
Production engineering cost fluctuations across FY24 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.  
  
(t) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2025 Army</b>							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 4582E34000 / Grenades, All Types				<b>Item Number / Title [DODIC]:</b> E69300 / GRENADE, Hand, Smoke, White, M83 [G982]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	35,647	51.73	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Jun 2026	36,169	50.18	Y		
FUZE,HAND GRENADE M201		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	37,072	13.61	Y		
FUZE,HAND GRENADE M201		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	37,615	14.02	Y		
TOP, GREN		2024	TOOL MASTERS INC. - METAL PARTS - BOTTOM / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	38,498	1.17	Y		
TOP, GREN		2025	TO BE SELECTED - METAL PARTS - TOP / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2025	39,062	1.46	Y		
BODY, GREN		2024	TOOL MASTERS INC. - METAL PARTS - BOTTOM / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2024	38,498	1.18	Y		
BODY, GREN		2025	TO BE SELECTED - METAL PARTS - TOP / TBS01	TBD	ROCK ISLAND ARSENAL, IL	Mar 2025	Sep 2025	39,062	1.46	Y		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	367.132	20.926	23.252	21.510	-	21.510	20.680	35.401	34.505	34.804	-	558.210
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	367.132	20.926	23.252	21.510	-	21.510	20.680	35.401	34.505	34.804	-	558.210
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>367.132</b>	<b>20.926</b>	<b>23.252</b>	<b>21.510</b>	<b>-</b>	<b>21.510</b>	<b>20.680</b>	<b>35.401</b>	<b>34.505</b>	<b>34.804</b>	<b>-</b>	<b>558.210</b>

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

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

**Description:**

SSN E49102 / Flare, Aircraft Countermeasure, XM215 is a new start within the Signals, All Types program in FY 2025

This budget line includes Signals, All Types.

(E46400) Signal, Hand Held Red Star Cluster M158

The Family of Hand Held Signals are individually launched pyrotechnics used for signaling and illumination. The payload is launched by a small, fin stabilized rocket and reaches a height of 725 feet. M158 is a red star cluster signal used primarily for signaling and illuminating missions. The payload is a cluster of five flares that burn for approximately 10 seconds. This item is Code A, approved for service use.

(E46500) Signal, Hand Held White Star Cluster M159

The Family of Hand Held Signals are individually launched pyrotechnics used for signaling and illumination. The payload is launched by a small, fin stabilized rocket and reaches a height of 725 feet. M159 is a white star cluster signal used primarily for signaling and illuminating missions. The payload is a cluster of five flares that burn for approximately 10 seconds. This item is Code A, approved for service use.

(E46800) Signal, Hand Held White Parachute Flare M127A1

The Family of Hand Held Signals are individually launched pyrotechnics used for signaling and illumination. The payload is launched by a small, fin stabilized rocket and reaches a height of 725 feet. The M127A1 is a white parachute flare used primarily for night time battle field illumination, surface-to-air & surface-to-ground signaling. The flare burns for approximately 50 seconds. This item is Code A, approved for service use.

(E47000) Signal, Hand Held Green Star Cluster M125A1

The Family of Hand Held Signals are individually launched pyrotechnics used for signaling and illumination. The payload is launched by a small, fin stabilized rocket and reaches a height of 725 feet. M125A1 is a green star cluster signal used for signaling and illuminating missions. The payload is a cluster of five flares that burn for approximately 10 seconds. This item is Code A, approved for service use.

(E49101) Flare, Aircraft Countermeasure, RF (Passive) XM20

The XM20 is a next generation Radio Frequency (RF) expendable countermeasure that provides effective coverage against current and advanced Surface-to-Air missiles (SAM), and advance guided missiles in the RF frequency bands. This item will be Code A, approved for service use once it reaches Material Release in 2QFY26.



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E49102) Flare, Aircraft Countermeasures, XM215 The XM215 is a next generation Infrared (IR) expendable countermeasure that provides effective coverage against current and advanced Man-Portable Air-Defense Systems (MANPADS) and advance guided missiles in the muti-electro optical bands.</p> <p>(E49105) CTG, Impulse, Countermeasure, BBU-35/B The BBU-35/B Impulse Cartridge is used to ignite and/or eject aircraft countermeasure flares, decoys and chaff (M206, M212, M211, XM215, M1/M839/RR170 Series and XM20) designed to protect Army helicopters and fixed wing aircraft against Radar Frequency and Man-portable Air Defense Systems (MANPADS). The BBU-35/B replaces the M796 impulse cartridge used by the Army. The impulse cartridge functions after receiving an electrical signal from the Common Missile Warning System (CMWS). The impulse cartridge produces hot gases that ignites/pushes the flare/decoy payload out of the host aircraft. This item is Code A, approved for service use.</p> <p>(E62900) SMOKE POT PRACTICE M8 The M8 Floating Smoke Pot is a five-gallon metal pail containing roughly 25 pounds of environmentally acceptable smoke mixture. It is initiated by a pyrotechnic delay igniting fuse. After ignition and roughly a 25-second delay, dense smoke cloud is produced for screening purposes to conceal troop, vehicle, or other march movements, particularly at river crossings. It is deployed in a similar manner as the M4 and M5 series service smoke pot. It is used by the individual Soldier in squad, company and battalion units. This item is Code A, approved for service use.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:**  
2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition

**P-1 Line Item Number / Title:**  
6038E46900 / Signals, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E46400 / Signal, Hand Held Red Star Cluster M158	P-5a	A		- / 36.540	- / 0.839	- / 4.024	- / 5.233	- / -	- / 5.233
P-5	E46500 / Signal, Hand Held White Star Cluster M159 [L307]	P-5a	A		- / 33.907	- / -	- / 4.757	- / -	- / -	- / -
P-5	E46800 / Signal, Hand Held White Parachute Flare M127A1 [L312]		A		- / 149.781	- / 0.155	- / 0.006	- / -	- / -	- / -
P-5	E47000 / Signal, Hand Held Green Star Cluster M125A1 [L314]	P-5a	A		- / 63.732	- / -	- / 0.099	- / -	- / -	- / -
P-5	E49101 / Flare, Aircraft Countermeasure, RF (Passive)	P-5a, P-21	A		- / -	- / -	- / 8.083	- / 14.149	- / -	- / 14.149
P-5	E49102 / Flare, Aircraft Countermeasure, XM215	P-5a	A		- / -	- / -	- / -	- / 0.862	- / -	- / 0.862
P-5	E49105 / CTG, Impulse, Countermeasure, BBU-35/B	P-5a	A		- / 7.300	- / -	- / 0.112	- / -	- / -	- / -
P-5	E62900 / SMOKE POT, Practice, M8 [K511]	P-5a	A		- / 75.872	- / 19.932	- / 6.171	- / 1.266	- / -	- / 1.266
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 367.132</b>	<b>- / 20.926</b>	<b>- / 23.252</b>	<b>- / 21.510</b>	<b>- / -</b>	<b>- / 21.510</b>

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

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

**Justification:**

FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$21.510 million supports the procurement of four variants of signals.

The FY 2023 actuals for base include \$3.668 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E46400) Signal, Hand Held Red Star Cluster M158

This is a training standard item used in both training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$5.233 million supports the procurement of 49,553 signals.

TYPE CLASSIFICATION DATE: 1983

(E46500) Signal, Hand Held White Star Cluster M159

This is a training standard item used in both training and combat. There is no FY 2025 budget request for this item.

TYPE CLASSIFICATION DATE: 1999

(E46800) Signal, Hand Held White Parachute Flare M127A1

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>This is a training standard item used in both training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1983</p> <p>(E47000) Signal, Hand Held Green Star Cluster M125A1 This is a training standard item used in both training and combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1983</p> <p>(E49101) Flare, Aircraft Countermeasure, RF (Passive) This is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$14.149 million supports the procurement of 61,928 flares. TYPE CLASSIFICATION DATE: TBD</p> <p>(E49102) Flare, Aircraft Countermeasures, XM215 This is a training standard item used in both training and combat. FY 2025 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.862 million supports the procurement of 2,860 flares. This is a New Start in FY 2025. TYPE CLASSIFICATION DATE: TBD</p> <p>(E49105) Cartridge, Impulse, BBU-35/B This is a war reserve item used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: May 2008</p> <p>(E62900) Smoke Pot Practice M8 This is a training standard item used in training and combat. FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.266 million supports the procurement of 881 smoke pots. TYPE CLASSIFICATION DATE: 1994</p>		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
		<b>Item Number / Title [DODIC]:</b> E46400 / Signal, Hand Held Red Star Cluster M158

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	36.540	0.839	4.024	5.233	-	5.233
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	36.540	0.839	4.024	5.233	-	5.233
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>36.540</b>	<b>0.839</b>	<b>4.024</b>	<b>5.233</b>	<b>-</b>	<b>5.233</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	64.85	457,000	29.636	-	-	-	79.16	42,253	3.345	82.50	49,553	4.088	-	-	-	82.50	49,553	4.088
BOX METAL M548 <sup>(†)</sup>	53.58	19,000	1.018	-	-	-	57.48	1,778	0.102	58.53	2,086	0.122	-	-	-	58.53	2,086	0.122
<i>Subtotal: Recurring Cost</i>	-	-	30.654	-	-	-	-	-	3.447	-	-	4.210	-	-	-	-	-	4.210
<i>Subtotal: Hardware Cost</i>	-	-	30.654	-	-	-	-	-	3.447	-	-	4.210	-	-	-	-	-	4.210
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	5.766	-	-	0.831	-	-	0.565	-	-	1.010	-	-	-	-	-	1.010
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	5.766	-	-	0.831	-	-	0.565	-	-	1.010	-	-	-	-	-	1.010
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.120	-	-	0.008	-	-	0.012	-	-	0.012	-	-	-	-	-	0.012
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.120	-	-	0.008	-	-	0.012	-	-	0.012	-	-	-	-	-	0.012
<b>Gross/Weapon System Cost</b>	-	-	36.540	-	-	0.839	-	-	4.024	-	-	5.233	-	-	-	-	-	5.233

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types				<b>Item Number / Title [DODIC]:</b> E46400 / Signal, Hand Held Red Star Cluster M158				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2024	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	42,253	79.16	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	TO BE SELECTED / TBS01	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Dec 2026	49,553	82.50	Y		
BOX METAL M548		2024	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2025	1,778	57.48	Y		
BOX METAL M548		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Dec 2026	2,086	58.53	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E46500 / Signal, Hand Held White Star Cluster M159 [L307]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	33.907	-	4.757	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	33.907	-	4.757	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>33.907</b>	-	<b>4.757</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
Load, Assemble, Pack (Lap) <sup>(t)</sup>	854.50	39,008	33.332	-	-	-	79.16	50,110	3.967	-	-	-	-	-	-	-	-	-
Box Metal M548 <sup>(t)</sup>	74.25	1,642	0.122	-	-	-	57.48	2,109	0.121	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	33.454	-	-	-	-	-	4.088	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>33.454</b>	-	-	-	-	-	<b>4.088</b>	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.446	-	-	-	-	-	0.669	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.446</b>	-	-	-	-	-	<b>0.669</b>	-	-	-	-	-	-	-	-	-
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.007</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>33.907</b>	-	-	-	-	-	<b>4.757</b>	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types					<b>Item Number / Title [DODIC]:</b> E46500 / Signal, Hand Held White Star Cluster M159 [L307]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Load, Assemble, Pack (Lap)		2024	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	50,110	79.16	Y		
Box Metal M548		2024	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	Aug 2024	Jun 2025	2,109	57.48	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
		<b>Item Number / Title [DODIC]:</b> E46800 / Signal, Hand Held White Parachute Flare M127A1 [L312]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	149.781	0.155	0.006	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	149.781	0.155	0.006	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>149.781</b>	<b>0.155</b>	<b>0.006</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Load, Assemble, Pack (Lap)	1,220.88	121,037	147.772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Box Metal M548	81.97	5,096	0.418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>148.189</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>148.189</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	1.572	-	-	0.147	-	-	0.005	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>1.572</i>	-	-	<i>0.147</i>	-	-	<i>0.005</i>	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.019	-	-	0.008	-	-	0.001	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.019</i>	-	-	<i>0.008</i>	-	-	<i>0.001</i>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>149.781</b>	-	-	<b>0.155</b>	-	-	<b>0.006</b>	-	-	-	-	-	-	-	-	-



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E47000 / Signal, Hand Held Green Star Cluster M125A1 [L314]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	63.732	-	0.099	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	63.732	-	0.099	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>63.732</b>	<b>-</b>	<b>0.099</b>	<b>-</b>	<b>-</b>	<b>-</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>						
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Load, Assemble, Pack (Lap) <sup>(t)</sup>	318.33	192,939	61.418	-	-	-	79.16	1,042	0.082	-	-	-	-	-	-	-	-	-
Box Metal M548 <sup>(t)</sup>	49.38	7,474	0.369	-	-	-	57.48	43	0.002	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<b>61.787</b>	-	-	-	-	-	<b>0.085</b>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<b>61.787</b>	-	-	-	-	-	<b>0.085</b>	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	1.919	-	-	-	-	-	0.014	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.919</b>	-	-	-	-	-	<b>0.014</b>	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.026</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>63.732</b>	-	-	-	-	-	<b>0.099</b>	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types				<b>Item Number / Title [DODIC]:</b> E47000 / Signal, Hand Held Green Star Cluster M125A1 [L314]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Load, Assemble, Pack (Lap)		2024	TO BE SELECTED / TBS01	TBD	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	1,042	79.16	Y		
Box Metal M548		2024	CONCO INC. / LOUISVILLE, KY	Option / FFP	ROCK ISLAND ARSENAL, IL	May 2024	Jan 2025	43	57.48	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E49101 / Flare, Aircraft Countermeasure, RF (Passive)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		-	-	8.083	14.149	-	14.149
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		-	-	8.083	14.149	-	14.149
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		-	-	<b>8.083</b>	<b>14.149</b>	-	<b>14.149</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE FLARE <sup>(†)</sup>	-	-	-	-	-	-	204.00	36,353	7.416	250.00	50,272	12.568	-	-	-	250.00	50,272	12.568
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	7.416	-	-	12.568	-	-	-	-	-	12.568
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	<b>7.416</b>	-	-	<b>12.568</b>	-	-	-	-	-	<b>12.568</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.667	-	-	1.581	-	-	-	-	-	1.581
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	<b>0.667</b>	-	-	<b>1.581</b>	-	-	-	-	-	<b>1.581</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	<b>8.083</b>	-	-	<b>14.149</b>	-	-	-	-	-	<b>14.149</b>

**Remarks:**

FY 2025 unit cost increase is based on most recent government estimate. Production engineering cost fluctuations from FY24 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types				<b>Item Number / Title [DODIC]:</b> E49101 / Flare, Aircraft Countermeasure, RF (Passive)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE FLARE <sup>(†)</sup>		2024	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	Jan 2025	Jul 2026	36,353	204.00	N		
COMPLETE FLARE <sup>(†)</sup>		2025	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	Jan 2025	Jul 2026	50,272	250.00	N		

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

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47										<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types										<b>Item Number / Title [DODIC]:</b> E49101 / Flare, Aircraft Countermeasure, RF (Passive)									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
COMPLETE FLARE																																
	1	2024	ARMY	36.353	.000	36.353				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.350	10.500	10.500	10.003
	1	2025	ARMY	50.272	.000	50.272				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.272	4.000	4.000	36.000
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army														<b>Date:</b> March 2024																											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47														<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types														<b>Item Number / Title [DODIC]:</b> E49101 / Flare, Aircraft Countermeasure, RF (Passive)													

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

COMPLETE FLARE																														BALANCE					
1	2024	ARMY	36.353	26.350	10.003	10.003																													.000
1	2025	ARMY	50.272	14.272	36.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000															.000						

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

<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
<b>Item Number / Title [DODIC]:</b> E49101 / Flare, Aircraft Countermeasure, RF (Passive)		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	4,000	20,000	40,000	8	4	18	22	8	4	16	20

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

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
		<b>Item Number / Title [DODIC]:</b> E49102 / Flare, Aircraft Countermeasure, XM215

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	-	-	0.862	-	0.862
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	-	-	0.862	-	0.862
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	-	-	<b>0.862</b>	-	<b>0.862</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE FLARE <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	275.00	2,853	0.785	-	-	-	275.00	2,853	0.785
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.785	-	-	-	-	-	0.785
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.785	-	-	-	-	-	0.785
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	-	-	-	0.077	-	-	-	-	-	0.077
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.077	-	-	-	-	-	0.077
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	0.862	-	-	-	-	-	0.862

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



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types				<b>Item Number / Title [DODIC]:</b> E49102 / Flare, Aircraft Countermeasure, XM215					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE FLARE		2025	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Jun 2026	2,853	275.00	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E49105 / CTG, Impulse, Countermeasure, BBU-35/B

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	7.300	-	0.112	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	7.300	-	0.112	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>7.300</b>	-	<b>0.112</b>	-	-	-

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

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

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND <sup>(†)</sup>	19.80	366,466	7.256	-	-	-	3.52	29,184	0.103	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	7.256	-	-	-	-	-	0.103	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	7.256	-	-	-	-	-	0.103	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.044	-	-	-	-	-	0.009	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.044	-	-	-	-	-	0.009	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	7.300	-	-	-	-	-	0.112	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types				<b>Item Number / Title [DODIC]:</b> E49105 / CTG, Impulse, Countermeasure, BBU-35/B					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	May 2024	Nov 2025	29,184	3.52	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types
		<b>Item Number / Title [DODIC]:</b> E62900 / SMOKE POT, Practice, M8 [K511]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	75.872	19.932	6.171	1.266	-	1.266
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	75.872	19.932	6.171	1.266	-	1.266
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>75.872</b>	<b>19.932</b>	<b>6.171</b>	<b>1.266</b>	<b>-</b>	<b>1.266</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
LOAD, ASSEMBLE, PACK (LAP) <sup>(†)</sup>	3,503.77	15,830	55.465	615.19	11,567	7.116	743.76	3,623	2.695	758.32	881	0.668	-	-	-	758.32	881	0.668
FUZE, SMOKE POT, FLOATING M208 <sup>(†)</sup>	118.47	16,464	1.950	-	-	-	111.51	3,767	0.420	141.97	916	0.130	-	-	-	141.97	916	0.130
INNER COVER ASSEMBLY <sup>(†)</sup>	105.87	18,205	1.927	102.13	13,193	1.347	112.10	4,166	0.467	120.17	1,013	0.122	-	-	-	120.17	1,013	0.122
OUTER COVER ASSEMBLY <sup>(†)</sup>	96.16	18,205	1.751	81.73	13,193	1.078	95.85	4,166	0.399	102.75	1,013	0.104	-	-	-	102.75	1,013	0.104
CONTAINER, USED ON SMOKE POT M8 <sup>(†)</sup>	103.52	18,205	1.885	93.79	13,192	1.237	116.60	4,166	0.486	125.00	1,013	0.127	-	-	-	125.00	1,013	0.127
<i>Subtotal: Recurring Cost</i>	-	-	<b>62.978</b>	-	-	<b>10.779</b>	-	-	<b>4.467</b>	-	-	<b>1.151</b>	-	-	-	-	-	<b>1.151</b>
<i>Subtotal: Hardware Cost</i>	-	-	<b>62.978</b>	-	-	<b>10.779</b>	-	-	<b>4.467</b>	-	-	<b>1.151</b>	-	-	-	-	-	<b>1.151</b>
<b>Support - Product Improvement Cost</b>																		
Safety	-	-	0.392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Verification Test	-	-	0.305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	<b>0.697</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E62900 / SMOKE POT, Practice, M8 [K511]

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Production Engineering	-	-	12.144	-	-	9.150	-	-	1.700	-	-	0.111	-	-	-	-	-	0.111
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>12.144</b>	-	-	<b>9.150</b>	-	-	<b>1.700</b>	-	-	<b>0.111</b>	-	-	-	-	-	<b>0.111</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.053	-	-	0.004	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.053</b>	-	-	<b>0.004</b>	-	-	<b>0.004</b>	-	-	<b>0.004</b>	-	-	-	-	-	<b>0.004</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>75.872</b>	-	-	<b>19.932</b>	-	-	<b>6.171</b>	-	-	<b>1.266</b>	-	-	-	-	-	<b>1.266</b>

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 6038E46900 / Signals, All Types	<b>Item Number / Title [DODIC]:</b> E62900 / SMOKE POT, Practice, M8 [K511]
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LOAD, ASSEMBLE, PACK (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2023	Oct 2024	11,567	615.19	Y		
LOAD, ASSEMBLE, PACK (LAP)		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2024	Aug 2025	3,623	743.76	Y		
LOAD, ASSEMBLE, PACK (LAP)		2025	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2025	Aug 2026	881	758.32	Y		
FUZE, SMOKE POT, FLOATING M208		2024	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Jun 2024	3,767	111.51	Y		
FUZE, SMOKE POT, FLOATING M208		2025	DAY & ZIMMERMANN LONE STAR / TEXARKANA, TX	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Jan 2026	916	141.97	Y		
INNER COVER ASSEMBLY		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2024	13,193	102.13	Y		
INNER COVER ASSEMBLY		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Dec 2024	4,166	112.10	Y		
INNER COVER ASSEMBLY		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,013	120.17	Y		
OUTER COVER ASSEMBLY		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2024	13,193	81.73	Y		
OUTER COVER ASSEMBLY		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Dec 2024	4,166	95.85	Y		
OUTER COVER ASSEMBLY		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,013	102.75	Y		
CONTAINER, USED ON SMOKE POT M8		2023	TOOL MASTERS INC. / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2023	Sep 2024	13,192	93.79	Y		
CONTAINER, USED ON SMOKE POT M8		2024	TOOL MASTERS INC. / TUSCUMBIA, AL	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Dec 2024	4,166	116.60	Y		
CONTAINER, USED ON SMOKE POT M8		2025	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	1,013	125.00	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	320.226	9.350	11.309	12.168	-	12.168	13.472	13.670	10.414	10.563	-	401.172
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	320.226	9.350	11.309	12.168	-	12.168	13.472	13.670	10.414	10.563	-	401.172
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>320.226</b>	<b>9.350</b>	<b>11.309</b>	<b>12.168</b>	<b>-</b>	<b>12.168</b>	<b>13.472</b>	<b>13.670</b>	<b>10.414</b>	<b>10.563</b>	<b>-</b>	<b>401.172</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	2,563.17	2,503.66	1,940.01	2,005.51	-	18,789.38

**Description:**

This budget line includes Simulators, All Types.

(E48417) SIMULATOR, TARGET KILL, XM175 simulates a destroyed vehicle burning on the battlefield; black smoke with a burn time of 20 seconds. This item is Code A, approved for service use.

(E49700) M115A2 Artillery Ground Burst Simulator is a hand thrown device that is used in training to simulate battlefield noise and effects (shell in flight and ground explosion) during troop maneuvers. The simulator has a 6-10 second delay followed by a 2-4 second whistle ending with a flash and loud report; the surface danger zone is 35 meters. This item is Code A, approved for service use.

(E50200) M116A1 Hand Grenade Simulator is a hand-thrown device used in Force-on-Force training to simulate battlefield noise and effects of a hand grenade during troop maneuvers. It has a 5 to 10 second delay and a 15 meter surface danger zone. This item is Code A, approved for service use.

(E50311) SIMULATOR, CHEM ATTACK, YELLOW SMOKE simulates a nuclear, biological, radiological, or chemical (NBRC) attack on the battlefield; yellow smoke with a burn time of 10 seconds. This item is Code A, approved for service use.

(E70600) M22 Anti-Tank Weapon Effect Signature Simulator (ATWESS) Guided Missile (GM) Rocket Simulator is used to simulate the TOW, DRAGON or VIPER, including report, flash and smoke through use of an adapter. It is compatible with the Multiple Integrated Laser Engagement System (MILES). This item is Code A, approved for service use.

(E88119) M34 Hostile Fire Simulator produces a flash and white smoke for simulation of tank gunfire at a distance. The cartridge is fired by the Omega 60 and the BES II launchers during Force-on-Target training scenarios. This item is Code A, approved for service use.

(E88125) M35 Target Hit, White Star Simulator produces a sound and white star for simulation of a target being hit by tank or artillery fire. The cartridge is fired by the Omega 60 and BES II launchers during Force-on-Target training scenarios. The cartridge produces a bang of 125 +/- 15 dB at a distance of 20 meters, expels about 8-12 burning stars visible at 1800 meters. This item is Code A, approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E88404) SIMULATORS, NON STANDARD, SPECIAL EFFECTS FOR CTCS simulates gunfire, artillery fire, missile fire, burning vehicles, blast effects and chemical, biological, radiological and nuclear (CBRN) attacks. These items are Code A, approved for service use.</p> <p>(E91114) SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE simulates the visible plume of a surface to air missile or shoulder launched rocket; has a visual signature of 1 burning star with white smoke trail which reaches 140 ft. before self-consuming. This item is Code A, approved for service use.</p> <p>(E91116) SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181 simulates indirect artillery fire; emits a paper projectile which whistles while ascending to a height of 100 - 150 ft. and has a visual flash and smoke report. This item is Code A, approved for service use.</p>		



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**Exhibit P-40, Budget Line Item Justification: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition **P-1 Line Item Number / Title:** 8278E51200 / Simulators, All Types

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E48417 / SIMULATOR, TARGET KILL, XM175	P-5a	A		- / -	- / -	- / 0.652	- / 0.768	- / -	- / 0.768
P-5	E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]	P-5a, P-21	A		- / 142.189	- / 4.892	- / 6.291	- / 6.477	- / -	- / 6.477
P-5	E50200 / SIMULATOR, Hand Grenade, M116A1 [L601]	P-5a	A		- / 108.126	- / 3.136	- / 0.118	- / 2.072	- / -	- / 2.072
P-5	E50311 / SIMULATOR, CHEM ATTACK, YELLOW SMOKE	P-5a	A		- / -	- / -	- / 0.056	- / 0.065	- / -	- / 0.065
P-5	E70600 / SIMULATOR, Rocket, Antitank GM Lnchd, M22 (ATWESS) [LA77]		A		- / 59.900	- / -	- / 0.063	- / -	- / -	- / -
P-5	E88119 / SIMULATOR, Hostile Fire, M34	P-5a	A		- / 4.887	- / 0.513	- / 2.189	- / 1.308	- / -	- / 1.308
P-5	E88125 / SIMULATOR, Target Hit, M35 (White Star)	P-5a	A		- / 5.124	- / 0.513	- / 0.695	- / 0.698	- / -	- / 0.698
P-5	E88404 / SIMULATORS, Non-Standard, Special Effects, f/CTCs [LZ04]	P-5a	A		- / -	- / 0.296	- / 0.296	- / -	- / -	- / -
P-5	E91114 / SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE AND	P-5a	A		- / -	- / -	- / 0.476	- / 0.410	- / -	- / 0.410
P-5	E91116 / SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181	P-5a	A		- / -	- / -	- / 0.473	- / 0.370	- / -	- / 0.370
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 320.226</b>	<b>- / 9.350</b>	<b>- / 11.309</b>	<b>- / 12.168</b>	<b>- / -</b>	<b>- / 12.168</b>

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

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

**Justification:**  
 The FY 2025 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

FY 2025 Total Base dollars in the amount of \$12.168 million supports the procurement of eight variants of simulators.

The FY 2023 actuals for base include \$3.432 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E48417) - SIMULATOR, TARGET KILL, XM175  
 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.768 million supports the production of 32,924 Simulators.  
 TYPE CLASSIFICATION DATE: TBD

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E49700) - SIMULATOR PROJ GND BURST M115A2 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$6.477 million supports the production of 163,625 Ground Burst Simulators. TYPE CLASSIFICATION DATE: 1962</p> <p>(E50200) - SIMULATOR HAND GRENADE M116A1 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$2.072 million supports production of 61,453 M116A1 Simulator Hand Grenades. TYPE CLASSIFICATION DATE: 1960</p> <p>(E50311) - SIMULATOR, CHEM ATTACK, YELLOW SMOKE This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.065 million supports production of 2,785 M116A1 Simulator Hand Grenades. TYPE CLASSIFICATION DATE: TBD</p> <p>(E70600) - SIMULATOR ANTITANK GM RKT M22 (ATWESS) This is a training unique item not used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: 1984</p> <p>(E88119) - M34 HOSTILE FIRE SIMULATOR M34 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.308 million supports production of 101,971 simulators. TYPE CLASSIFICATION DATE: October 2006</p> <p>(E88125) - TARGET HIT (White Star) SIMULATOR M35 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.698 million supports production of 58,792 simulators. TYPE CLASSIFICATION DATE: October 2006</p> <p>(E88404) - SIMULATORS, NON STANDARD, SPECIAL EFFECTS FOR CTCS This is a training unique item not used in combat. There is no FY 2025 budget request for this item. TYPE CLASSIFICATION DATE: TBD</p> <p>(E91114) - SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.410 million supports production of 15,430 simulators. TYPE CLASSIFICATION DATE: TBD</p> <p>(E91116) - SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181 This is a training unique item not used in combat. FY 2025 request supports annual training and builds a depot level in accordance with Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.370 million supports production of 16,990 simulators. TYPE CLASSIFICATION DATE: TBD</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

Empty justification area for the budget line item.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E48417 / SIMULATOR, TARGET KILL, XM175

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	-	0.652	0.768	-	0.768
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	-	0.652	0.768	-	0.768
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	-	<b>0.652</b>	<b>0.768</b>	-	<b>0.768</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	16.71	34,010	0.568	17.18	32,924	0.566	-	-	-	17.18	32,924	0.566
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.568	-	-	0.566	-	-	-	-	-	0.566
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	0.568	-	-	0.566	-	-	-	-	-	0.566
Support - Acceptance Testing Cost																		
First Article Test	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.054	-	-	0.202	-	-	-	-	-	0.202
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.054	-	-	0.202	-	-	-	-	-	0.202
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	0.652	-	-	0.768	-	-	-	-	-	0.768

**Remarks:**  
Production engineering cost fluctuations across FY24 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E48417 / SIMULATOR, TARGET KILL, XM175				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	34,010	16.71	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2025	Aug 2026	32,924	17.18	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
		<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				142.189	4.892	6.291	6.477	-	6.477
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				142.189	4.892	6.291	6.477	-	6.477
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>142.189</b>	<b>4.892</b>	<b>6.291</b>	<b>6.477</b>	<b>-</b>	<b>6.477</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND(†)	221.33	622,929	137.870	25.92	149,575	3.877	33.09	163,524	5.411	33.92	163,625	5.550	-	-	-	33.92	163,625	5.550
Subtotal: Recurring Cost	-	-	137.870	-	-	3.877	-	-	5.411	-	-	5.550	-	-	-	-	-	5.550
Subtotal: Hardware Cost	-	-	137.870	-	-	3.877	-	-	5.411	-	-	5.550	-	-	-	-	-	5.550
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acceptance Test	-	-	-	-	-	0.107	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	0.150	-	-	0.107	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	4.145	-	-	0.903	-	-	0.876	-	-	0.922	-	-	-	-	-	0.922
Subtotal: Support - Production Engineering Cost	-	-	4.145	-	-	0.903	-	-	0.876	-	-	0.922	-	-	-	-	-	0.922
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.024	-	-	0.005	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
Subtotal: Support - Quality Assurance Cost	-	-	0.024	-	-	0.005	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>142.189</b>	<b>-</b>	<b>-</b>	<b>4.892</b>	<b>-</b>	<b>-</b>	<b>6.291</b>	<b>-</b>	<b>-</b>	<b>6.477</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6.477</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types				<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2023	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Jan 2025	149,575	25.92	Y		
COMPLETE ROUND <sup>(†)</sup>		2024	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2024	Apr 2025	163,524	33.09	Y		
COMPLETE ROUND <sup>(†)</sup>		2025	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Apr 2025	Apr 2026	163,625	33.92	Y		

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



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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
		<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2023												Fiscal Year 2024												B A L A N C E	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
<b>COMPLETE ROUND</b>																															
Prior Years Deliveries: 622929																															
1		2023	ARMY	149.575	.000	149.575																							149.575		
1		2024	ARMY	163.524	.000	163.524																							163.524		
1		2025	AF (+)	8.302	.000	8.302																							8.302		
1		2025	ARMY	163.625	.000	163.625																							163.625		
1		2025	MC (+)	105.305	.000	105.305																							105.305		
1		2025	<b>Total</b>	<b>277.232</b>	<b>.000</b>	<b>277.232</b>																							<b>277.232</b>		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army															<b>Date:</b> March 2024														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47										<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types										<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
Prior Years Deliveries: 622929																																			
1	2023	ARMY		149.575	.000	149.575	-	-	-	12.471	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	12.464	.000						
1	2024	ARMY		163.524	.000	163.524	-	-	-	-	-	-	21.000	21.000	21.000	20.524	20.000	20.000	20.000	20.000									.000						
1	2025	AF (†)		8.302	.000	8.302							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.528							
1	2025	ARMY		163.625	.000	163.625							A -	-	-	-	-	-	-	-	-	-	-	-	-	13.635	13.635	81.810							
1	2025	MC (†)		105.305	.000	105.305							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	8.775	70.200							
1	2025	<b>Total</b>		<b>277.232</b>	<b>.000</b>	<b>277.232</b>							-	-	-	-	-	-	-	-	-	-	-	-	-	13.635	13.635	<b>157.538</b>							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army														<b>Date:</b> March 2024															
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47										<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types										<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2027														Fiscal Year 2028														B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
Prior Years Deliveries: 622929																																			
1	2023	ARMY		149.575	149.575	.000																								.000					
1	2024	ARMY		163.524	163.524	.000																								.000					
1	2025	AF (†)		8.302	2.774	5.528	.691	.691	.691	.691	.691	.691	.691	.691	.691															.000					
1	2025	ARMY		163.625	81.815	81.810	13.635	13.635	13.635	13.635	13.635	13.635	-	-																.000					
1	2025	MC (†)		105.305	35.105	70.200	8.775	8.775	8.775	8.775	8.775	8.775	8.775	8.775																.000					
1	2025	<b>Total</b>		<b>277.232</b>	<b>119.694</b>	<b>157.538</b>	<b>23.101</b>	<b>23.101</b>	<b>23.101</b>	<b>23.101</b>	<b>23.101</b>	<b>23.101</b>	<b>9.466</b>	<b>9.466</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<b>.000</b>					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
		<b>Item Number / Title [DODIC]:</b> E49700 / SIMULATOR, Projectile Ground Burst, M115A2 [L594]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	PYROTECHNIQUE BY GRUCCI INC - RADFORD, VA	10,000	65,000	100,000	8	8	12	20	7	7	12	19

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

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E50200 / SIMULATOR, Hand Grenade, M116A1 [L601]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				108.126	3.136	0.118	2.072	-	2.072
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				108.126	3.136	0.118	2.072	-	2.072
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>108.126</b>	<b>3.136</b>	<b>0.118</b>	<b>2.072</b>	<b>-</b>	<b>2.072</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	243.06	421,153	102.366	24.37	102,782	2.505	26.47	3,734	0.099	28.49	61,453	1.751	-	-	-	28.49	61,453	1.751
Subtotal: Recurring Cost	-	-	102.366	-	-	2.505	-	-	0.099	-	-	1.751	-	-	-	-	-	1.751
Subtotal: Hardware Cost	-	-	<b>102.366</b>	-	-	<b>2.505</b>	-	-	<b>0.099</b>	-	-	<b>1.751</b>	-	-	-	-	-	<b>1.751</b>
Support - Acceptance Testing Cost																		
First Article Test	-	-	0.382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	<b>0.382</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Production Verification Test	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.110</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	4.812	-	-	0.625	-	-	0.018	-	-	0.315	-	-	-	-	-	0.315
Subtotal: Support - Production Engineering Cost	-	-	<b>4.812</b>	-	-	<b>0.625</b>	-	-	<b>0.018</b>	-	-	<b>0.315</b>	-	-	-	-	-	<b>0.315</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.025	-	-	0.006	-	-	0.002	-	-	0.006	-	-	-	-	-	0.006
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.025</b>	-	-	<b>0.006</b>	-	-	<b>0.002</b>	-	-	<b>0.006</b>	-	-	-	-	-	<b>0.006</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E50200 / SIMULATOR, Hand Grenade, M116A1 [L601]
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Study & Analysis Cost																		
Study & Analysis	-	-	0.430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Study &amp; Analysis Cost</i>	-	-	<b>0.430</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>108.126</b>	-	-	<b>3.136</b>	-	-	<b>0.118</b>	-	-	<b>2.072</b>	-	-	-	-	-	<b>2.072</b>

**Remarks:**  
 Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.  
 (t) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E50200 / SIMULATOR, Hand Grenade, M116A1 [L601]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Jan 2025	102,782	24.37	Y		
COMPLETE ROUND		2024	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2025	3,734	26.47	Y		
COMPLETE ROUND		2025	PYROTECHNIQUE BY GRUCCI INC / RADFORD, VA	Option / FFP	ROCK ISLAND ARSENAL, IL	Mar 2025	Mar 2026	61,453	28.49	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E50311 / SIMULATOR, CHEM ATTACK, YELLOW SMOKE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	0.056	0.065	-	0.065
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	0.056	0.065	-	0.065
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>0.056</b>	<b>0.065</b>	-	<b>0.065</b>

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

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

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

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	15.00	3,425	0.051	17.18	2,785	0.048	-	-	-	17.18	2,785	0.048
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.051	-	-	0.048	-	-	-	-	-	0.048
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	0.051	-	-	0.048	-	-	-	-	-	0.048
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	0.005	-	-	0.017	-	-	-	-	-	0.017
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.005	-	-	0.017	-	-	-	-	-	0.017
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	0.056	-	-	0.065	-	-	-	-	-	0.065

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



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army							<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types				<b>Item Number / Title [DODIC]:</b> E50311 / SIMULATOR, CHEM ATTACK, YELLOW SMOKE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	3,425	15.00	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	May 2025	Aug 2026	2,785	17.18	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
		<b>Item Number / Title [DODIC]:</b> E70600 / SIMULATOR, Rocket, Antitank GM Lnchd, M22 (ATWESS) [LA77]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	59.900	-	0.063	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	59.900	-	0.063	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>59.900</b>	<b>-</b>	<b>0.063</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Complete Round	72.25	746,175	53.910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	53.910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	53.910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	5.967	-	-	-	-	-	0.063	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	5.967	-	-	-	-	-	0.063	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>59.900</b>	-	-	-	-	-	<b>0.063</b>	-	-	-	-	-	-	-	-	-

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**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E88119 / SIMULATOR, Hostile Fire, M34
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.887	0.513	2.189	1.308	-	1.308
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.887	0.513	2.189	1.308	-	1.308
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.887</b>	<b>0.513</b>	<b>2.189</b>	<b>1.308</b>	<b>-</b>	<b>1.308</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	92,743.10	42	3.895	-	-	-	7.72	178,442	1.378	8.24	101,971	0.840	-	-	-	8.24	101,971	0.840
Subtotal: Recurring Cost	-	-	3.895	-	-	-	-	-	1.378	-	-	0.840	-	-	-	-	-	0.840
Subtotal: Hardware Cost	-	-	<b>3.895</b>	-	-	-	-	-	<b>1.378</b>	-	-	<b>0.840</b>	-	-	-	-	-	<b>0.840</b>
<b>Support - Product Improvement Cost</b>																		
Reliability	-	-	0.365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Product Improvement Cost	-	-	<b>0.365</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.627	-	-	0.513	-	-	0.811	-	-	0.468	-	-	-	-	-	0.468
Subtotal: Support - Production Engineering Cost	-	-	<b>0.627</b>	-	-	<b>0.513</b>	-	-	<b>0.811</b>	-	-	<b>0.468</b>	-	-	-	-	-	<b>0.468</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>4.887</b>	-	-	<b>0.513</b>	-	-	<b>2.189</b>	-	-	<b>1.308</b>	-	-	-	-	-	<b>1.308</b>

**Remarks:**  
Production engineering cost fluctuations across FY23 to FY25 due to changes in planned procurement and reflects the pro-rated share of support costs within the BLIN.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E88119 / SIMULATOR, Hostile Fire, M34
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	178,442	7.72	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	101,971	8.24	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47		<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types
		<b>Item Number / Title [DODIC]:</b> E88125 / SIMULATOR, Target Hit, M35 (White Star)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				5.124	0.513	0.695	0.698	-	0.698
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				5.124	0.513	0.695	0.698	-	0.698
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>5.124</b>	<b>0.513</b>	<b>0.695</b>	<b>0.698</b>	-	<b>0.698</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	1,343.14	3,327	4.469	-	-	-	7.72	56,310	0.435	8.24	58,792	0.484	-	-	-	8.24	58,792	0.484
Subtotal: Recurring Cost	-	-	4.469	-	-	-	-	-	0.435	-	-	0.484	-	-	-	-	-	0.484
Subtotal: Hardware Cost	-	-	<b>4.469</b>	-	-	-	-	-	<b>0.435</b>	-	-	<b>0.484</b>	-	-	-	-	-	<b>0.484</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.655	-	-	0.513	-	-	0.260	-	-	0.214	-	-	-	-	-	0.214
Subtotal: Support - Production Engineering Cost	-	-	<b>0.655</b>	-	-	<b>0.513</b>	-	-	<b>0.260</b>	-	-	<b>0.214</b>	-	-	-	-	-	<b>0.214</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>5.124</b>	-	-	<b>0.513</b>	-	-	<b>0.695</b>	-	-	<b>0.698</b>	-	-	-	-	-	<b>0.698</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E88125 / SIMULATOR, Target Hit, M35 (White Star)				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	56,310	7.72	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	58,792	8.24	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E88404 / SIMULATORS, Non-Standard, Special Effects, f/CTCs [LZ04]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.296	0.296	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.296	0.296	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.296</b>	<b>0.296</b>	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	16.39	16,664	0.273	16.88	16,088	0.272	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.273	-	-	0.272	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	<b>0.273</b>	-	-	<b>0.272</b>	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	0.023	-	-	0.024	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	<b>0.023</b>	-	-	<b>0.024</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.296</b>	-	-	<b>0.296</b>	-	-	-	-	-	-	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E88404 / SIMULATORS, Non-Standard, Special Effects, f/CTCs [LZ04]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2023	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	16,664	16.39	Y		
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	16,088	16.88	Y		



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E91114 / SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE AND

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	-	0.476	0.410	-	0.410
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	-	0.476	0.410	-	0.410
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	-	<b>0.476</b>	<b>0.410</b>	-	<b>0.410</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	19.04	22,934	0.437	19.57	15,430	0.302	-	-	-	19.57	15,430	0.302
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.437	-	-	0.302	-	-	-	-	-	0.302
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	<b>0.437</b>	-	-	<b>0.302</b>	-	-	-	-	-	<b>0.302</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	-	-	-	-	-	-	0.039	-	-	0.108	-	-	-	-	-	0.108
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	<b>0.039</b>	-	-	<b>0.108</b>	-	-	-	-	-	<b>0.108</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	<b>0.476</b>	-	-	<b>0.410</b>	-	-	-	-	-	<b>0.410</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E91114 / SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE AND				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	22,934	19.04	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS01	TBD	PICATINNY ARSENAL, NJ	May 2025	May 2026	15,430	19.57	Y		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47	<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types	<b>Item Number / Title [DODIC]:</b> E91116 / SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	0.473	0.370	-	0.370
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	0.473	0.370	-	0.370
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	-	<b>0.473</b>	<b>0.370</b>	-	<b>0.370</b>

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

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

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

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	-	-	-	15.60	27,803	0.434	16.04	16,990	0.273	-	-	-	16.04	16,990	0.273
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.434	-	-	0.273	-	-	-	-	-	0.273
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	0.434	-	-	0.273	-	-	-	-	-	0.273
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	0.039	-	-	0.097	-	-	-	-	-	0.097
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	0.039	-	-	0.097	-	-	-	-	-	0.097
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	0.473	-	-	0.370	-	-	-	-	-	0.370

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 47			<b>P-1 Line Item Number / Title:</b> 8278E51200 / Simulators, All Types					<b>Item Number / Title [DODIC]:</b> E91116 / SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND		2024	TO BE SELECTED / TBS02	C / FFP	PICATINNY ARSENAL, NJ	May 2024	Aug 2025	27,803	15.60	Y		
COMPLETE ROUND		2025	TO BE SELECTED / TBS02	Option / FFP	PICATINNY ARSENAL, NJ	May 2025	Aug 2026	16,990	16.04	Y		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition	<b>P-1 Line Item Number / Title:</b> 9847E97900 / REACTIVE ARMOR TILES
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	17.755	59.127	-	-	-	-	-	-	-	-	-	76.882
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	17.755	59.127	-	-	-	-	-	-	-	-	-	76.882
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>17.755</b>	<b>59.127</b>	-	-	-	-	-	-	-	-	-	<b>76.882</b>

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

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

**Description:**

Reactive armor is an add-on armor to the base vehicle configuration. This armor reacts based on the impact of a threat, reducing or eliminating the damage to the protected vehicle, thus increasing its survivability. Reactive armor tiles vary based on the platform installation design, vehicle threat requirements, and weight margins of the supported platform. It is most effective in protecting against residuals, shaped charges and some kinetic energy threats.

(ES97911) - PROJ, Combat Vehicle Reactive Armor Tile

The RAT Program was designated as a Program of Record in August 2018 in support of US Government developed tile configurations. Initial production of the US government developed tiles will support achieving the Directed Requirement (DR) for Reactive Armor Tiles and Installation Kits for five (5) armored brigade combat teams consisting of multiple combat platform types. Additionally, these tiles will be painted with the new signature management paint. Newly procured tiles will be painted at the production site, and legacy tiles will be painted as part of the refurbishment process and on site if tiles have already been placed in Army Pre-Positioned Stock. Production beyond the Directed Requirement will take place to meet the Total Munitions Requirements established by G-3/5/7 and to replace consumed tiles. The Vehicle Protection System office is the centralized manager of RAT for the ground combat systems responsible for the accountability and acquisition of tiles.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	59.127	-	-	-	-	-	-	-
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>59.127</b>	-	-	-	-	-	-	-

**Justification:**

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 47: Other Ammunition		<b>P-1 Line Item Number / Title:</b> 9847E97900 / REACTIVE ARMOR TILES
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
There is no FY 2025 request for this program.		
The FY 2023 actuals for base include \$59.127 million emergency supplemental funding to support the procurement of replacement reactive armor tiles transferred to Ukraine in support of the international effort to counter Russian aggression. Funding received as follows: FY 2023 Ukraine Tranche 14 - \$59.127 million. The Tranche 14 funding obligated for quantity of 83 Armored Multi Purpose Vehicle (AMPV) reactive armor tile sets.		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 0684EB0016 / Ammo Components, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	736.969	3.058	3.976	4.085	-	4.085	4.084	4.082	4.082	4.123	-	764.459
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	736.969	3.058	3.976	4.085	-	4.085	4.084	4.082	4.082	4.123	-	764.459
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>736.969</b>	<b>3.058</b>	<b>3.976</b>	<b>4.085</b>	<b>-</b>	<b>4.085</b>	<b>4.084</b>	<b>4.082</b>	<b>4.082</b>	<b>4.123</b>	<b>-</b>	<b>764.459</b>

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

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

**Description:**

This budget line includes the Components and Renovation (C&R) of Field Stock effort as well as Weapon Components in support of Proof Acceptance Testing (PAT). C&R supports renovation for unserviceable training and combat ammunition to bring it back to serviceable condition at a lower cost when compared with procuring new ammunition. The testing efforts include funding to support the Army Test and Evaluation Command (ATEC) at Aberdeen and Yuma Test Centers. Funded testing includes Special Tests, First Article Tests (FAT), Renovation of Field Stocks, and PAT for training and combat ammunition.

**Justification:**

FY 2025 Base procurement dollars in the amount of \$2.463 million support the Components and Renovation of Field Stock (C&R) effort. C&R supports the renovation of unserviceable training and combat ammunition, returning unserviceable items to issuable, serviceable condition at a substantial cost savings to the Army when compared to costs to demilitarize and procure new, replacement stock. Proposed C&R efforts undergo cost analysis to compare proposed renovation costs or rework efforts to the cost associated with demilitarization and new procurement to ensure efforts conducted under C&R result in a cost savings to the Army. The efforts are primarily focused on condition codes E and F within Army inventory.

FY 2025 Base procurement dollars in the amount of \$1.622 million supports several initiatives at Aberdeen Test Center (ATC) and Yuma Test Center (YTC).

At ATC, continue a replacement and procurement program for weapons and weapon components that are worn during testing of production ammunition items. Typical purchases include: rifle/carbine/machine gun barrels, receivers, and parts; large caliber barrels; small and medium caliber Mann-type test barrels, mortar barrels and bipod/baseplates.

At YTC, continue to acquire and replace weapon components required for continued support of the Production Acceptance Test (PAT) as part of the indirect fire test mission. Purchases include components such as breeches and tubes for medium to large caliber mortars and cannons.

At YTC, continue to procure replacement parts for both large and small caliber direct fire weapon systems for production based support. The primary items to be purchased are recoils, breeches, cradles, and gun tubes for both 120mm M256 and 105mm M68 cannons. In addition, spares will be obtained for 25mm and small arms weapon systems, along with other supporting equipment such as solenoids and bore-sighting equipment.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 1430E91901 / Non-Lethal Ammunition, All Types
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	14.943	-	3.281	-	-	-	-	0.290	0.296	0.300	-	19.110
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	14.943	-	3.281	-	-	-	-	0.290	0.296	0.300	-	19.110
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>14.943</b>	<b>-</b>	<b>3.281</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.290</b>	<b>0.296</b>	<b>0.300</b>	<b>-</b>	<b>19.110</b>

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

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

**Description:**

This budget line item procures Non-Lethal Ammunition, All Types

(E84900) GRENADE, STUN, M84 - The M84 Stun Hand Grenades are used as diversionary or distraction devices during building and room clearing operations when the presence of noncombatants is likely or expected and the assaulting element is attempting to achieve surprise. The handheld device is designed to be thrown into a room (through an open door, a standard glass window, or other opening) where it delivers a loud bang and bright flash sufficient to temporarily disorient personnel in the room. This item is Code A, approved for service use.

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

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.

(E84900) GRENADE, STUN, M84 - This is a training standard item used in both training and combat. The request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. There is no FY 2025 budget request for this item.

Type Classification Date: September 1998



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	246.878	18.105	17.436	16.074	-	16.074	16.325	20.560	8.984	8.792	-	353.154
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	246.878	18.105	17.436	16.074	-	16.074	16.325	20.560	8.984	8.792	-	353.154
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>246.878</b>	<b>18.105</b>	<b>17.436</b>	<b>16.074</b>	<b>-</b>	<b>16.074</b>	<b>16.325</b>	<b>20.560</b>	<b>8.984</b>	<b>8.792</b>	<b>-</b>	<b>353.154</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This budget line includes Miscellaneous Ammunition Items Under \$5 million.

(E00300) CTG 12 GAUGE SHOTGUN 7 1/2 CHILLED SHOT is a 12 gauge 2 3/4 inch round with #7 1/2 pellets (approximately 2.39mm (0.094") diameter and weighs about 1.25 grains each) and can be fired out of the M26, M1014, Mossberg Model 500/590, and Remington 870/MCS shotguns. This item is Code A, approved for service use.

(E01700) CTG, .22cal Ball Long Rifle Match, f/Rifle [A091] is used for military marksmanship training. This items is Code A, approved for service use.

(E03001) CTG, CAL .30 BLANK is used for salute ceremonies by Veteran Organizations in the M1 Garand rifles without being equipped with a firing adapter. It can be identified by the absence of a bullet and a rosette crimped casemouth. This item is Code A, approved for service use.

(E03701) CTG, .300 Winchester Magnum (WinMag) MK248 procurement supports the M2010 Enhanced Sniper Rifle (ESR). It consists of an Open Tip Match (OTM) bullet, brass case cartridge, large rifle leadstyphnate primer, and smokeless small arms propellant. This item is Code A, approved for service use.

(E03710) CTG, .338cal Norma Magnum, AP, M1162 f/Rifle procurement supports the Mk22 Precision Sniper Rifle (PSR). It is composed of a standard brass cartridge case, propellant, percussion primer and armor piercing projectile. This item is Code A, approved for service use.

(E03715) CTG, .300cal Norma Magnum, M1163 f/Rifle procurement supports the Mk22 Precision Sniper Rifle (PSR). It is composed of a standard brass cartridge case, propellant, percussion primer and copper jacketed projectile. This item is Code A, approved for service use.

(E92100) CTG 12 GAUGE BREACHING ROUND, M1030 provides the capability to Soldiers to effectively and safely breach doors with the Mossberg 500/590 and Remington 870/MCS shotguns. The 12-gauge door-breaching cartridge is intended to destroy locks and fixtures on doors and automobiles with little or no collateral damage to the interior. This item is Code A, approved for service use.

(E99101) SPECIAL TRAINING AMMO includes procurement of nonstandard and commercially-available specialty munitions and energetic materiel in support of United States Army troop training requirements defined by the Standards in Training Commission (STRAC) and set forth in Unit Programs of Instruction (POIs). Requirements and authorizations issued by Army G-3 are in accordance with Army Regulation

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(AR) 350-38 and are vetted through the Army Munitions Requirements Working Group and Council of Colonels. Unit requirements funded by this program include the US Army Military District of Washington, National Guard Bureau and Army Reserve, National and Joint Readiness Training Centers, and US Army Parachute Team.</p> <p>(E99222) Foreign Weapons Training Ammunition. Foreign weapons ammunition procures munitions that have not been Type Classified, Materiel Released or Fielded for standard use by United States Army or other DoD services. It is not stocked/procured in standard DoD supply system. Funds will be used to purchase foreign (Non NATO) standard munitions, training devices and materials, conduct safety and quality assessments, and ship the munitions to their required destination.</p> <p>(EA0600) Ammunition Program Support - The Ammunition Program Support effort enhances the management of ammunition and provides systems and services which the Army is required to provide as the Single Manager for Conventional Ammunition in accordance with DODI 5160.68. Funding is used to enhance the efficiency and effectiveness of ammunition management across the lifecycle through process improvements, generation of metrics and decision support analysis.</p> <p>(EA0960) USAMTU FT MOORE (United States Army Marksmanship Training Unit). This budget line funds procurement of nonstandard and commercially available specialty munitions and energetic materiel in support of US Army Marksmanship Unit training requirements defined by the Standards in Training Commission (STRAC) and set forth in Unit Programs of Instruction (POIs). Requirements and authorizations issued by Army G-3 are in accordance with Army Regulation (AR) 350-38 and are vetted through the Army Munitions Requirements Working Group and Council of Colonels.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous **P-1 Line Item Number / Title:** 2624EA0055 / Items Less Than \$5 Million (AMMO)

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E00300 / CARTRIDGE 12 GAUGE SHOTGUN 7 1/2 CHILLED SHOT [A014]		A		- / 0.251	- / 0.082	- / 0.006	- / 0.007	- / -	- / 0.007
P-5	E01700 / CTG, .22cal Ball Long Rifle Match, f/Rifle [A091]		A		- / 7.545	- / -	- / 0.055	- / 0.043	- / -	- / 0.043
P-5	E03001 / CTG, .30cal Blank, M1909, Single [A222]		A		- / 32.294	- / 0.932	- / 1.905	- / 1.945	- / -	- / 1.945
P-5	E03701 / CTG, .300cal Win Mag, MK248 w/Mods (7.62x67mm) [A191]		A		- / 17.354	- / 0.357	- / 0.015	- / -	- / -	- / -
P-5	E03710 / CTG, .338CAL NORMA MAGNUM, AP, M1162 F/RIFLE		A		- / 5.228	- / 4.400	- / 3.478	- / 3.133	- / -	- / 3.133
P-5	E03715 / CTG, .300CAL NORMA MAGNUM, M1163 F/RIFLE	P-5a	A		- / 4.494	- / 5.552	- / 4.156	- / 3.847	- / -	- / 3.847
P-5	E92100 / CTG, 12 Gauge Breaching Round, M1030 [AA54]		A		- / 11.387	- / 0.072	- / -	- / -	- / -	- / -
P-5	E99101 / Special Training Ammo:				- / 36.246	- / 0.693	- / 0.709	- / 0.761	- / -	- / 0.761
P-5	E99222 / Foreign Weapons Training Ammunition				- / 2.951	- / 0.195	- / 0.515	- / 0.515	- / -	- / 0.515
P-5	EA0600 / AMMUNITION PROGRAM SUPPORT				- / 85.410	- / 5.087	- / 5.095	- / 4.287	- / -	- / 4.287
P-5	EA0960 / USAMTU FT MOORE				- / 43.718	- / 0.735	- / 1.502	- / 1.536	- / -	- / 1.536
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 246.878</b>	<b>- / 18.105</b>	<b>- / 17.436</b>	<b>- / 16.074</b>	<b>- / -</b>	<b>- / 16.074</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY 2025 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

FY 2025 Total Base dollars in the amount of \$16.074 million supports the procurement of 4.305 million cartridges.

The FY 2023 actuals for base include \$0.006 million emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.

(E00300) CTG 12 Gauge Shotgun 7.5 Chilled Shot is a war reserve item used in combat. The FY 2025 request builds a war reserve inventory in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$0.007 million support the procurement of 0.011 million 12 Gauge Shotgun 7.5 Chilled cartridges.

Type Classification date: November 1975.

(E01700) CTG, .22cal Ball Long Rifle Match, f/Rifle [A091] is a training standard item and is used for military marksmanship training. FY 2025 Base procurement dollars in the amount of \$0.043 million supports the procurement of 0.068 million .22 Caliber LR Match F/Rifle cartridges.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Type Classification Guide: January 1990.</p> <p>(E03001) CTG, CAL .30 BLANK, M1909 is a training unique item not used in combat. The FY 2025 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2025 Base procurement dollars in the amount of \$1.945 million supports the procurement of 2.397 million .30 Caliber Blank M1909 cartridges. Type classification date: 1917</p> <p>(E03701) CTG .300 Winchester Magnum (WinMag) MK248 is a training standard item used in both training and combat. There is no FY 2025 budget request for this item. Type classification date: October 2012</p> <p>(E03710) CTG, .338cal Norma Magnum, AP, M1162 f/Rifle is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$3.133 million supports the procurement of 0.286 million, M1162 f/Rifle cartridges. Type classification date: Pending</p> <p>(E03715) CTG, .300cal Norma Magnum, M1163 f/Rifle is a training standard item used in both training and combat. The FY 2025 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. The FY 2025 Base procurement dollars in the amount of \$3.847 million supports the procurement of 1.236 million, M1163 f/Rifle cartridges. Type classification date: Pending</p> <p>(E92100) CTG 12 GAUGE BREACHING ROUND M1030 is a training standard item used in training and combat. There is no FY 2025 budget request for this item. Type classification date: October 2007</p> <p>(E99101) Special Training Ammunition - FY 2025 funds procure nonstandard and commercially-available specialty munitions and energetic materiel in support of FY 2025 US Army troop training requirements in accordance with DA G3/7-TRA authorizations. FY 2025 base funds in the amount of \$0.761 million support Unit training requirements across various Army Units. Authorizations issued under this program vary on an annual basis and are reviewed/updated during semi-annual Army Munitions Requirements Working Groups and Councils of Colonels.</p> <p>(E99222) Foreign Weapons Training Ammunition. FY 2025 funds will be used to procure Non DOD Standard Ammunition (NSA), related Non DOD Standard Weapons Systems (NSWS), as well as related training aids for Army units supporting the Regionally Aligned Forces (RAF) mission. Army units will conduct preparation training with Non-standard weapons and munitions before deployment in order to be trained to support requirements, including operational missions, bilateral and multilateral military exercises and security cooperation activities. The FY 2025 Base procurement dollars in the amount of \$0.515 million supports the procurement of 0.307 million, Non Standard Ammunition rounds.</p> <p>(EA0600) Ammunition Program Support - FY 2025 funds in the amount of \$4.287 million provide critical support to efficiently and effectively manage ammunition across the portfolio. Funds support systems and services which are required to be provided by the Army as the Single Manager for Conventional Ammunition in accordance with DODI 5160.68.</p> <p>(EA0960) USAMTU FT MOORE - FY 2025 funds in the amount of \$1.536 million procures nonstandard and commercially-available specialty munitions and energetic materiel in support of Army Marksmanship Unit training requirements. Funds will support DA G-3/7-TRA authorizations issued during FY 2025 Army Munitions Requirements Working Groups and Councils of Colonels in accordance with AR 5-13, the Total Army Munitions Requirements and Prioritization Policy.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)	<b>Item Number / Title [DODIC]:</b> E00300 / CARTRIDGE 12 GAUGE SHOTGUN 7 1/2 CHILLED SHOT [A014]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.251	0.082	0.006	0.007	-	0.007	
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.251	0.082	0.006	0.007	-	0.007	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.251</b>	<b>0.082</b>	<b>0.006</b>	<b>0.007</b>	-	<b>0.007</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	0.32	656,137	0.209	0.39	27,049	0.011	0.39	9,857	0.004	0.40	10,689	0.004	-	-	-	0.40	10,689	0.004
<i>Subtotal: Recurring Cost</i>	-	-	0.209	-	-	0.010	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Hardware Cost</i>	-	-	<b>0.209</b>	-	-	<b>0.010</b>	-	-	<b>0.004</b>	-	-	<b>0.004</b>	-	-	-	-	-	<b>0.004</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.042	-	-	0.072	-	-	0.002	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.042</b>	-	-	<b>0.072</b>	-	-	<b>0.002</b>	-	-	<b>0.003</b>	-	-	-	-	-	<b>0.003</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.251</b>	-	-	<b>0.082</b>	-	-	<b>0.006</b>	-	-	<b>0.007</b>	-	-	-	-	-	<b>0.007</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
		<b>Item Number / Title [DODIC]:</b> E01700 / CTG, .22cal Ball Long Rifle Match, f/Rifle [A091]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.545	-	0.055	0.043	-	0.043
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	7.545	-	0.055	0.043	-	0.043
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.545</b>	<b>-</b>	<b>0.055</b>	<b>0.043</b>	<b>-</b>	<b>0.043</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	0.30	21,509,258	6.345	-	-	-	0.21	199,502	0.042	0.22	67,931	0.015	-	-	-	0.22	67,931	0.015
<i>Subtotal: Recurring Cost</i>	-	-	6.345	-	-	-	-	-	0.042	-	-	0.015	-	-	-	-	-	0.015
<b>Subtotal: Hardware Cost</b>	-	-	<b>6.345</b>	-	-	-	-	-	<b>0.042</b>	-	-	<b>0.015</b>	-	-	-	-	-	<b>0.015</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	1.186	-	-	-	-	-	0.013	-	-	0.028	-	-	-	-	-	0.028
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.186</b>	-	-	-	-	-	<b>0.013</b>	-	-	<b>0.028</b>	-	-	-	-	-	<b>0.028</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.014</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>7.545</b>	-	-	-	-	-	<b>0.055</b>	-	-	<b>0.043</b>	-	-	-	-	-	<b>0.043</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>													<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50						<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)						<b>Item Number / Title [DODIC]:</b> E03001 / CTG, .30cal Blank, M1909, Single [A222]						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>	
Procurement Quantity ( <i>Units in Each</i> )				-		-			-			-			-		-	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				32.294		0.932			1.905			1.945			-		1.945	
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
Net Procurement (P-1) ( <i>\$ in Millions</i> )				32.294		0.932			1.905			1.945			-		1.945	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				<b>32.294</b>		<b>0.932</b>			<b>1.905</b>			<b>1.945</b>			<b>-</b>		<b>1.945</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares ( <i>\$ in Millions</i> )				-		-			-			-			-		-	
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				-		-			-			-			-		-	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND	8.38	3,613,270	30.262	0.49	1,683,962	0.826	0.55	2,599,212	1.430	0.56	2,397,461	1.343	-	-	-	0.56	2,397,461	1.343
<i>Subtotal: Recurring Cost</i>	-	-	30.261	-	-	0.820	-	-	1.430	-	-	1.343	-	-	-	-	-	1.343
<i>Subtotal: Hardware Cost</i>	-	-	<b>30.261</b>	-	-	<b>0.820</b>	-	-	<b>1.430</b>	-	-	<b>1.343</b>	-	-	-	-	-	<b>1.343</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	1.767	-	-	0.107	-	-	0.470	-	-	0.597	-	-	-	-	-	0.597
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>1.767</b>	-	-	<b>0.107</b>	-	-	<b>0.470</b>	-	-	<b>0.597</b>	-	-	-	-	-	<b>0.597</b>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.265	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.265</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	-	-	-	<b>0.005</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>32.294</b>	-	-	<b>0.932</b>	-	-	<b>1.905</b>	-	-	<b>1.945</b>	-	-	-	-	-	<b>1.945</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
		<b>Item Number / Title [DODIC]:</b> E03701 / CTG, .300cal Win Mag, MK248 w/Mods (7.62x67mm) [A191]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		17.354	0.357	0.015	-	-	-
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		17.354	0.357	0.015	-	-	-
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>17.354</b>	<b>0.357</b>	<b>0.015</b>	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)		-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	1.10	12,577,398	13.859	1.19	270,263	0.322	1.24	6,822	0.008	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	13.860	-	-	0.322	-	-	0.008	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>13.860</b>	-	-	<b>0.322</b>	-	-	<b>0.008</b>	-	-	-	-	-	-	-	-	-
Support - Hardware Analysis Cost																		
Hardware Analysis	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Hardware Analysis Cost</i>	-	-	-	-	-	<b>0.010</b>	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	3.467	-	-	0.020	-	-	0.002	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.467</b>	-	-	<b>0.020</b>	-	-	<b>0.002</b>	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.026	-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<b>0.026</b>	-	-	<b>0.005</b>	-	-	<b>0.005</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>17.354</b>	-	-	<b>0.357</b>	-	-	<b>0.015</b>	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
		<b>Item Number / Title [DODIC]:</b> E03710 / CTG, .338CAL NORMA MAGNUM, AP, M1162 F/RIFLE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				5.228	4.400	3.478	3.133	-	3.133
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				5.228	4.400	3.478	3.133	-	3.133
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>5.228</b>	<b>4.400</b>	<b>3.478</b>	<b>3.133</b>	-	<b>3.133</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	10.18	497,842	5.068	9.90	403,904	3.999	10.03	329,875	3.309	10.24	286,395	2.933	-	-	-	10.24	286,395	2.933
<i>Subtotal: Recurring Cost</i>	-	-	<i>5.068</i>	-	-	<i>3.999</i>	-	-	<i>3.309</i>	-	-	<i>2.933</i>	-	-	-	-	-	<i>2.933</i>
<b>Subtotal: Hardware Cost</b>	-	-	<b>5.068</b>	-	-	<b>3.999</b>	-	-	<b>3.309</b>	-	-	<b>2.933</b>	-	-	-	-	-	<b>2.933</b>
Support - Production Engineering Cost																		
Production Engineering	-	-	0.154	-	-	0.395	-	-	0.163	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>0.154</i>	-	-	<i>0.395</i>	-	-	<i>0.163</i>	-	-	<i>0.200</i>	-	-	-	-	-	<i>0.200</i>
Support - Quality Assurance Cost																		
Quality Assurance	-	-	0.006	-	-	0.006	-	-	0.006	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	<i>0.006</i>	-	-	<i>0.006</i>	-	-	<i>0.006</i>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>5.228</b>	-	-	<b>4.400</b>	-	-	<b>3.478</b>	-	-	<b>3.133</b>	-	-	-	-	-	<b>3.133</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
		<b>Item Number / Title [DODIC]:</b> E03715 / CTG, .300CAL NORMA MAGNUM, M1163 F/RIFLE

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.494	5.552	4.156	3.847	-	3.847
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.494	5.552	4.156	3.847	-	3.847
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.494</b>	<b>5.552</b>	<b>4.156</b>	<b>3.847</b>	<b>-</b>	<b>3.847</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	2.58	1,643,307	4.240	2.55	1,980,285	5.050	2.71	1,403,168	3.803	2.76	1,235,628	3.410	-	-	-	2.76	1,235,628	3.410
Subtotal: Recurring Cost	-	-	4.240	-	-	5.050	-	-	3.803	-	-	3.410	-	-	-	-	-	3.410
Subtotal: Hardware Cost	-	-	<b>4.240</b>	-	-	<b>5.050</b>	-	-	<b>3.803</b>	-	-	<b>3.410</b>	-	-	-	-	-	<b>3.410</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.249	-	-	0.499	-	-	0.349	-	-	0.437	-	-	-	-	-	0.437
Subtotal: Support - Production Engineering Cost	-	-	<b>0.249</b>	-	-	<b>0.499</b>	-	-	<b>0.349</b>	-	-	<b>0.437</b>	-	-	-	-	-	<b>0.437</b>
<b>Support - Quality Assurance Cost</b>																		
Quality Assurance	-	-	0.005	-	-	0.003	-	-	0.005	-	-	-	-	-	-	-	-	-
Subtotal: Support - Quality Assurance Cost	-	-	<b>0.005</b>	-	-	<b>0.003</b>	-	-	<b>0.005</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>4.494</b>	-	-	<b>5.552</b>	-	-	<b>4.156</b>	-	-	<b>3.847</b>	-	-	-	-	-	<b>3.847</b>

<sup>(†)</sup> indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2025 Army								<b>Date:</b> March 2024				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50			<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)					<b>Item Number / Title [DODIC]:</b> E03715 / CTG, .300CAL NORMA MAGNUM, M1163 F/RIFLE				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND		2023	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Jun 2023	Apr 2024	1,980,285	2.55	Y		
COMPLETE ROUND		2024	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Oct 2024	1,403,168	2.71	Y		
COMPLETE ROUND		2025	SIG SAUER, INC. / NEWINGTON, NH	Option / FFP	PICATINNY ARSENAL, NJ	Mar 2025	Mar 2026	1,235,628	2.76	Y		

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)	<b>Item Number / Title [DODIC]:</b> E92100 / CTG, 12 Gauge Breaching Round, M1030 [AA54]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	11.387	0.072	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	11.387	0.072	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>11.387</b>	<b>0.072</b>	-	-	-	-

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
COMPLETE ROUND	9.58	1,156,365	11.073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	11.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	11.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Product Improvement Cost																		
Safety	-	-	-	-	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Product Improvement Cost</i>	-	-	-	-	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
Production Engineering	-	-	0.314	-	-	0.059	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.314	-	-	0.059	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	11.387	-	-	0.072	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)	<b>Item Number / Title [DODIC]:</b> E99101 / Special Training Ammo:

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	36.246	0.693	0.709	0.761	-	0.761
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	36.246	0.693	0.709	0.761	-	0.761
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>36.246</b>	<b>0.693</b>	<b>0.709</b>	<b>0.761</b>	<b>-</b>	<b>0.761</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025 Base</b>			<b>FY 2025 OCO</b>			<b>FY 2025 Total</b>		
	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Support - Training Cost																		
Services	-	-	36.246	-	-	0.693	-	-	0.709	-	-	0.761	-	-	-	-	-	0.761
<i>Subtotal: Support - Training Cost</i>	-	-	<b>36.246</b>	-	-	<b>0.693</b>	-	-	<b>0.709</b>	-	-	<b>0.761</b>	-	-	-	-	-	<b>0.761</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>36.246</b>	-	-	<b>0.693</b>	-	-	<b>0.709</b>	-	-	<b>0.761</b>	-	-	-	-	-	<b>0.761</b>

**Remarks:**

FY 2025 base funds in the amount of \$0.761 million support Unit training requirements across various Army Units. Authorizations issued under this program vary on an annual basis and are reviewed/updated during semi-annual Army Munitions Requirements Working Groups and Councils of Colonels.

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50		<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)
		<b>Item Number / Title [DODIC]:</b> E99222 / Foreign Weapons Training Ammunition

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.951	0.195	0.515	0.515	-	0.515
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2.951	0.195	0.515	0.515	-	0.515
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.951</b>	<b>0.195</b>	<b>0.515</b>	<b>0.515</b>	<b>-</b>	<b>0.515</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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																		
Hardware	1.08	1,908,867	2.065	1.12	123,215	0.138	1.14	316,228	0.360	1.16	306,810	0.356	-	-	-	1.16	306,810	0.356
<i>Subtotal: Recurring Cost</i>	-	-	2.065	-	-	0.138	-	-	0.360	-	-	0.356	-	-	-	-	-	0.356
<b>Subtotal: Hardware Cost</b>	-	-	<b>2.065</b>	-	-	<b>0.138</b>	-	-	<b>0.360</b>	-	-	<b>0.356</b>	-	-	-	-	-	<b>0.356</b>
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	0.615	-	-	0.038	-	-	0.105	-	-	0.107	-	-	-	-	-	0.107
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	0.615	-	-	0.038	-	-	0.105	-	-	0.107	-	-	-	-	-	0.107
Support - Production Engineering Cost																		
Production Engineering	-	-	0.270	-	-	0.019	-	-	0.050	-	-	0.051	-	-	-	-	-	0.051
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.270	-	-	0.019	-	-	0.050	-	-	0.051	-	-	-	-	-	0.051
<b>Gross/Weapon System Cost</b>	-	-	<b>2.951</b>	-	-	<b>0.195</b>	-	-	<b>0.515</b>	-	-	<b>0.515</b>	-	-	-	-	-	<b>0.515</b>

**Remarks:**  
FY 2025 base funds in the amount of \$0.515M procures and tests Foreign (Non-NATO) Weapons Training Ammunition in support of Regionally Aligned Forces (RAF).

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)	<b>Item Number / Title [DODIC]:</b> EA0600 / AMMUNITION PROGRAM SUPPORT

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			85.410	5.087	5.095	4.287	-	4.287
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			85.410	5.087	5.095	4.287	-	4.287
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			<b>85.410</b>	<b>5.087</b>	<b>5.095</b>	<b>4.287</b>	<b>-</b>	<b>4.287</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Single Manager for Conventional Ammunition (SMCA) Cost																		
SMCA Management	-	-	85.410	-	-	5.087	-	-	5.095	-	-	4.287	-	-	-	-	-	4.287
<i>Subtotal: Support - Single Manager for Conventional Ammunition (SMCA) Cost</i>	-	-	<b>85.410</b>	-	-	<b>5.087</b>	-	-	<b>5.095</b>	-	-	<b>4.287</b>	-	-	-	-	-	<b>4.287</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>85.410</b>	-	-	<b>5.087</b>	-	-	<b>5.095</b>	-	-	<b>4.287</b>	-	-	-	-	-	<b>4.287</b>

**Remarks:**  
FY 2025 funds in the amount of \$4.287 million provide systems and services which are required to be provided by the Army as the Single Manager for Conventional Ammunition in accordance with DODI 5160.68.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 2624EA0055 / Items Less Than \$5 Million (AMMO)	<b>Item Number / Title [DODIC]:</b> EA0960 / USAMTU FT MOORE
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	43.718	0.735	1.502	1.536	-	1.536
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	43.718	0.735	1.502	1.536	-	1.536
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>43.718</b>	<b>0.735</b>	<b>1.502</b>	<b>1.536</b>	<b>-</b>	<b>1.536</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Training Cost																		
Services	-	-	43.718	-	-	0.735	-	-	1.502	-	-	1.536	-	-	-	-	-	1.536
<i>Subtotal: Support - Training Cost</i>	-	-	<b>43.718</b>	-	-	<b>0.735</b>	-	-	<b>1.502</b>	-	-	<b>1.536</b>	-	-	-	-	-	<b>1.536</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>43.718</b>	-	-	<b>0.735</b>	-	-	<b>1.502</b>	-	-	<b>1.536</b>	-	-	-	-	-	<b>1.536</b>

**Remarks:**  
FY 2025 funds in the amount of \$1.536 million procures nonstandard and commercially-available specialty munitions and energetic materiel in support of Army Marksmanship Unit training requirements.



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 4370EA0575 / Ammunition Peculiar Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	398.881	7.375	13.133	3.283	-	3.283	16.292	17.295	18.296	19.431	-	493.986
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	398.881	7.375	13.133	3.283	-	3.283	16.292	17.295	18.296	19.431	-	493.986
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>398.881</b>	<b>7.375</b>	<b>13.133</b>	<b>3.283</b>	<b>-</b>	<b>3.283</b>	<b>16.292</b>	<b>17.295</b>	<b>18.296</b>	<b>19.431</b>	<b>-</b>	<b>493.986</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Ammunition Peculiar Equipment (APE) program provides support for ammunition operations including surveillance, demilitarization, maintenance, renovation, modification, packaging, and preservation per Army Regulation 700-20, Ammunition Peculiar Equipment. This program is developed, acquired, and supervised through the Single Manager for Conventional Ammunition per Department of Defense Instruction 5160.68. APE provides equipment items specifically designed, fabricated, procured, tested, and adopted for use in worldwide United States (US) military ammunition depot operations on conventional ammunition. APE maintains a central source of standard, modern, safe, efficient, reliable, and environmentally acceptable equipment for ammunition operations. This equipment is different from production line plant equipment as it disassembles ammunition items into components, sorts and removes hazardous materials to reduce human interaction and improves personnel safety. Maintenance APE is also designed to perform cleaning and renovation functions on ammunition subjected to deterioration effects (rust, corrosion, weathering, etc) during its storage life. APE supporting surveillance is key to stockpile sampling and functional testing of the items to assure readiness for combat or training. Demilitarization APE is similar to maintenance APE, but must go further in disassembly to destroy hazardous components, sort and reclaim salvageable parts or metals.

**Justification:**

FY 2025 Base procurement dollars in the amount of \$3.283 million will be used to procure and repair Ammunition Peculiar Equipment to assist in the maintenance, surveillance and demilitarization missions at depots around the world. APE is required to support the Ammunition Stockpile Reliability Program, Surveillance Program, equipment for worldwide maintenance and demilitarization, prepositioned ships, and Government-Owned, Contractor-Operated plants as Government Furnished Equipment. The APE assets maintain and verify the quality of the ammunition stockpile; thereby saving the cost of purchasing new replacement ammunition. APE proficiently executes the ammunition demilitarization mission to safely perform disassembly, destruction, or removal processes with an emphasis on recycling, re-utilization and preserving demilitarization assets in a manner that supports ammunition sustainment, safety and environmental compliance.

The APE program provides global support to the US Military Services for ammunition sustainment and demilitarization operations, including deployment, operations and support of the Ammunition Supply Point (ASP) suites. The ASP suites include APE, which will increase the efficiency of the receipt, inspection and issuance of ammunition to the warfighter. Deployment of APE to support ASP suites will increase efficiencies for ammunition sustainment operations by reducing logistics burdens and related risks. This allows for better primary mission readiness, enhanced hazardous operations safety and more efficient operating conditions requiring less ammunition retrograde/demilitarization by providing capability to preserve ammunition assets.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 4758EA0550 / First Destination Transportation (AMMO)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,031.970	18.313	18.068	18.677	-	18.677	18.665	18.664	18.664	18.851	-	1,161.872
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,031.970	18.313	18.068	18.677	-	18.677	18.665	18.664	18.664	18.851	-	1,161.872
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,031.970</b>	<b>18.313</b>	<b>18.068</b>	<b>18.677</b>	<b>-</b>	<b>18.677</b>	<b>18.665</b>	<b>18.664</b>	<b>18.664</b>	<b>18.851</b>	<b>-</b>	<b>1,161.872</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

First Destination Transportation (FDT), as outlined in the DoD Financial Management Regulation (DoDFMR) 7000.14-R Volume 2A, Chapter 1, Para 010205, is that "transportation required to deliver new, an upgraded model, or recapitalized production items from the manufacturer's plant or source of procurement to the first point of delivery where the Military Service or Defense Agency takes possession and/or ownership of that item. The procurement source, as used herein, is any supplier outside the DoD supply system or any DoD industrial activity that fabricates new materiel. The procurement source or the first point of delivery may be in the Continental United States (CONUS) or overseas."

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 4758EA0550 / First Destination Transportation (AMMO)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	EA0550 / First Destination Transportation (AMMO)				- / 1,031.970	- / 18.313	- / 18.068	- / 18.677	- / -	- / 18.677
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,031.970</b>	<b>- / 18.313</b>	<b>- / 18.068</b>	<b>- / 18.677</b>	<b>- / -</b>	<b>- / 18.677</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**  
 FY 2025 base funding of \$18.677 million is required to support the distribution of Army ammunition end items and components IAW DoD FMR 7000.14-R, Volume 2A, Chapter 1, Para 010205 (Interim Transportation).

Distribution originates from and to CONUS and overseas manufacturing plants/contractors and/or assembly points (e.g., Army Ammunition Plants, Arsenals, Depots, Contract Management Centers to include Off-shore Procurement Contractors shipping under Free On-board shipping origin terms). Requirements are either destined for CONUS depots for acceptance into the Army Supply System, to CONUS customers, to CONUS Arsenals, or to ports of embarkation in support of the Call Forward Program (i.e., Training, War Reserve, or the Overseas Contingency Operations).

Funding requirements for this effort promotes readiness and are forecasted based on the overall hardware procurement projections across the Army in a given fiscal year along with associated shipping costs.

Funding promotes readiness and supports planned Army Ammunition procurements to avoid failing to meet FOB Origin delivery terms across ammunition contracts.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 50	<b>P-1 Line Item Number / Title:</b> 4758EA0550 / First Destination Transportation (AMMO)	<b>Item Number / Title [DODIC]:</b> EA0550 / First Destination Transportation (AMMO)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity <i>(Units in Each)</i>			-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>			1,031.970	18.313	18.068	18.677	-	18.677
Less PY Advance Procurement <i>(\$ in Millions)</i>			-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>			1,031.970	18.313	18.068	18.677	-	18.677
Plus CY Advance Procurement <i>(\$ in Millions)</i>			-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>			<b>1,031.970</b>	<b>18.313</b>	<b>18.068</b>	<b>18.677</b>	<b>-</b>	<b>18.677</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares <i>(\$ in Millions)</i>			-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	1,031.970	-	-	18.313	-	-	18.068	-	-	18.677	-	-	-	-	-	18.677
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	<b>1,031.970</b>	-	-	<b>18.313</b>	-	-	<b>18.068</b>	-	-	<b>18.677</b>	-	-	-	-	-	<b>18.677</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>1,031.970</b>	-	-	<b>18.313</b>	-	-	<b>18.068</b>	-	-	<b>18.677</b>	-	-	-	-	-	<b>18.677</b>

**Remarks:**

Funding requirements for this effort promotes readiness and are forecasted based on the overall hardware procurement projections across the Army in a given fiscal year along with associated shipping costs.

FY 2025 funding is necessary to support planned Army Ammunition procurements; while helping to avoid penalties and impacts such as failing to meet FOB Origin delivery terms across ammunition contracts, contract cost growth due to increased storage penalties exceeding shipment costs, and production shutdowns at contractor facilities due to shipment bottlenecks.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 50: Miscellaneous	<b>P-1 Line Item Number / Title:</b> 9615EA8500 / Closeout Liabilities
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.795	0.081	0.102	0.102	-	0.102	0.102	0.101	0.102	0.102	-	1.487
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.795	0.081	0.102	0.102	-	0.102	0.102	0.101	0.102	0.102	-	1.487
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.795</b>	<b>0.081</b>	<b>0.102</b>	<b>0.102</b>	-	<b>0.102</b>	<b>0.102</b>	<b>0.101</b>	<b>0.102</b>	<b>0.102</b>	-	<b>1.487</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding will pay contract termination cost and operational losses/claims at ammunition plants. This funding ensures unanticipated future contract liabilities can be satisfied in accordance with Army Contract Review Board (ACRB) approved actions.

**Justification:**

FY 2025 base procurement dollars of \$0.102 million are required to pay contingent liabilities such as contract termination cost, e.g., unfunded pension liabilities, severance pay, and other claims approved by the ACRB.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	10,682.253	2,127.814	726.135	640.160	-	640.160	859.945	1,286.088	668.890	674.386	-	17,665.671
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	10,682.253	2,127.814	726.135	640.160	-	640.160	859.945	1,286.088	668.890	674.386	-	17,665.671
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>10,682.253</b>	<b>2,127.814</b>	<b>726.135</b>	<b>640.160</b>	<b>-</b>	<b>640.160</b>	<b>859.945</b>	<b>1,286.088</b>	<b>668.890</b>	<b>674.386</b>	<b>-</b>	<b>17,665.671</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This budget line provides funding for modernization, construction and rehabilitation efforts at Government-Owned, Contractor-Operated (GOCO) Army Ammunition Plants (AAPs) and commercial facilities as well as preservation of inactive production lines at the AAPs. The AAPs were constructed during World War II; the facilities have served and supported numerous theater operations, providing the warfighter with expansive ammunition requirements. Due to their age, the facilities and infrastructure experience frequent failures, and the production lines operate with outdated technology processes and equipment. The Industrial Facilities (IF) budget line consists of three separate programs, Provision of Industrial Facilities (PIF), Layaway of Industrial Facilities (LIF) and Maintenance of Inactive Facilities (MIF). Its mission includes replacement of obsolete or worn production equipment, correction of deficiencies and upgrades to infrastructures. This line represents an enduring, exhaustive mission to modernize and equip the Army's Ammunition Plants and provide decisive advantage of the warfighter's conventional ammunition, explosives and propellant requirements, without delay and at optimal cost. Project Director (PD) Joint Services, under Joint Program Executive Office Armaments and Ammunition, manages the Industrial Facilities budget line.

The Provision of Industrial Facilities program (PIF), SSN EP1200, establishes, augments and improves ammunition production capabilities through strategic modernization efforts, expands production capacity, maintains environmental compliance, and improves quality of work environment and safety at ammunition plants. It also addresses emergency modernization and associated construction to mitigate production disruptions at various sites and rapidly accelerate replenishment of critical munitions stocks provided to US allies.

This budget line provides funding for preservation, storage and movement of real property facilities and equipment required for anticipated future requirements at active and inactive Army ammunition installations including the Quad City Cartridge Case Facility (QCCCF) and Government-Owned, Government-Operated (GOGO) AAPs, also known as Layaway of Industrial Facilities (LIF) activities, SSN EP2000. Funding will also support consolidation of layaway production equipment and redistribution of production equipment that cannot be stored on-site. Layaway efforts also include retaining critical operational and technical knowledge of production equipment, such as engineering designs, process data and control manufacturing practices. Layaway program also includes safety-related decontamination, disposal and demolition of production equipment and facilities, and environmental site assessments.

Procurement funds also support the Maintenance of Inactive Facilities (MIF), SSN EP1500, to include utilities, buildings, plant equipment, special tooling, and special test equipment being retained to support future production requirements at GOCO and GOGO AAPs and QCCCF. Additional efforts include support of associated MIF costs such as grounds maintenance, fire protection, equipment security, and administrative support.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support **P-1 Line Item Number / Title:** 0572EP1000 / Industrial 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

Project Schedule		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Project	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
<b>(Uncategorized)</b>		-	2,127.814	726.135	640.160	-	640.160
	<b>Holston Army Ammunition Plant</b>	-	260.569	7.500	114.860	-	114.860
P-25	5XX3214 - Treatment Technology Alternatives to Open Burning	-	63.307	5.000	-	-	-
P-25	5233978 - RDX Wastewater Infrastructure Design, Upgrades, and Construction	-	12.095	-	-	-	-
P-25	5233979 - Upgrade Laundry Facility Upgrades and Construction	-	13.678	-	-	-	-
P-25	5233980 - Road Improvements and Railroad Crossing	-	8.498	-	-	-	-
P-25	5235110 - Area B Third Acid Train	-	3.262	-	-	-	-
P-25	5255167 - Consolidated Compressed Air Facility, Construction	-	-	-	13.300	-	13.300
P-25	5XX5168 - ANSol Tank Farms, (B-5, B-11), Construct	-	120.029	2.500	-	-	-
P-25	5235177 - Barricade Repairs, Replacements, and Infrastructure Upgrades	-	20.151	-	-	-	-
P-25	5235178 - Toluene Emissions and Process Improvements	-	19.549	-	-	-	-
P-25	5255287 - Drying Energetics Building & Automatic Fire Suppression System	-	-	-	5.200	-	5.200
P-25	5255288 - PAX - 3 Production G Building Modernization & Construction	-	-	-	8.300	-	8.300
P-25	5255289 - Secondary Process River Water Intake Facility	-	-	-	88.060	-	88.060
	<b>Iowa Army Ammunition Plant</b>	-	184.700	556.560	280.650	-	280.650
P-25	5XX5030 - Future Artillery Complex	-	50.000	529.830	280.650	-	280.650
P-25	5235034 - K Yard Improvements	-	8.142	-	-	-	-
P-25	5235319 - New Tool & Die Facility	-	40.000	-	-	-	-
P-25	5235320 - Roadway Improvements	-	15.000	-	-	-	-
P-25	5235321 - Energetics Facilities, Modernization Upgrades	-	46.858	-	-	-	-
P-25	5245322 - Direct Fire Production Facility Design	-	-	26.730	-	-	-
P-25	5235323 - Line 3A Modernization	-	24.700	-	-	-	-
	<b>Lake City Army Ammunition Plant</b>	-	513.550	75.000	92.000	-	92.000
P-25	5XX3356 - Small Caliber Modernization, Next Generation Squad Weapon Ammunition facility	-	513.550	65.000	-	-	-
P-25	5245233 - Automated Contaminated Waste Plant	-	-	10.000	-	-	-
P-25	5253360 - 7.62MM Reduced Range Ammunition Process Modernization and Construction	-	-	-	57.000	-	57.000
P-25	5253361 - New One Way Luminescence Ammo Production Facility	-	-	-	35.000	-	35.000
	<b>Radford Army Ammunition Plant</b>	-	181.932	4.000	21.540	-	21.540
P-25	5XX3140 - Chemical Grind Facility	-	50.932	-	-	-	-
P-25	5XX3753 - Workplace Safety Upgrades	-	37.200	-	-	-	-
P-25	5XX5145 - Solvent Propellant Facility Sustainment, Ph 3	-	-	4.000	-	-	-
P-25	5233120 - NAC/SAC Process Improvements	-	23.550	-	-	-	-
P-25	5233845 - Steam Distribution System Modernization Phase 1	-	37.500	-	-	-	-
P-25	5233846 - EvenSpeed Roll Mill Upgrade	-	20.500	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Project Schedule		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Project	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
P-25	5233847 - NC Facility Technology, Hammer mill	-	12.250	-	-	-	-
P-25	5253741 - Water Intake Pump Upgrades, Ph 2	-	-	-	21.540	-	21.540
	<b>Scranton Army Ammunition Plant</b>	-	<b>832.561</b>	<b>7.000</b>	-	-	-
P-25	5XX5186 - 155mm Capacity Improvements	-	67.000	-	-	-	-
P-25	5235187 - 155mm Capacity Expansion	-	518.900	-	-	-	-
P-25	5235188 - M795 Long-Term Production Capacity Increase	-	243.000	-	-	-	-
P-25	5235189 - GD Wilkes-Barre M795 Long-Term Production Capacity Increase	-	0.332	-	-	-	-
P-25	5235190 - M107 Production Line Relocation	-	3.329	-	-	-	-
P-25	5242985 - Electrical System Upgrade Phase 1	-	-	7.000	-	-	-
	<b>Various Army Ammunition Plants</b>	-	<b>101.764</b>	<b>56.003</b>	<b>110.641</b>	-	<b>110.641</b>
P-25	5XX0000 - Planning & Design in Support of Provision of Industrial Facilities	-	88.264	48.003	101.641	-	101.641
P-25	5XX5405 - Quality of Work Environment Upgrades	-	7.219	4.000	3.500	-	3.500
P-25	5XX5406 - Major Maintenance at GOCO AAPs	-	6.281	4.000	5.500	-	5.500
	<b>Yuma Proving Ground / Aberdeen Test Center</b>	-	<b>19.157</b>	<b>0.787</b>	<b>0.794</b>	-	<b>0.794</b>
P-25	5XX5060 - Replace Test Instrumentation in Production Acceptance Testing (Ammunition)	-	19.157	0.787	0.794	-	0.794
	<b>Various Army Ammunition Plants</b>	-	<b>29.939</b>	-	-	-	-
P-25	5235324 - 155mm LAP Production Expansion	-	29.939	-	-	-	-
	<b>Maintenance of Inactive Facilities</b>	-	<b>2.390</b>	<b>6.930</b>	<b>7.068</b>	-	<b>7.068</b>
P-25	5XX4073 - Maintenance of Inactive Facilities	-	2.390	6.930	7.068	-	7.068
	<b>Layaway Of Industrial Facilities</b>	-	<b>1.252</b>	<b>12.355</b>	<b>12.607</b>	-	<b>12.607</b>
P-25	5XX8000 - Layaway Of Industrial Facilities	-	1.252	12.355	12.607	-	12.607
<b>Total Gross/Weapon System Cost</b>		-	<b>2,127.814</b>	<b>726.135</b>	<b>640.160</b>	-	<b>640.160</b>

\*For the P-17 and P-25, the Project column displays a three-level indentation: Project Category (e.g., Environmental), followed by the Facility, followed by the Project Name. Exhibits with no Project Category are included under the "Uncategorized" category. For the P-26, the Project column displays a two-level indentation: Project Type (e.g., Inactive Plants, Inactive Lines at Contractor Plants and Inactive Lines at Active Plants), followed by the Facility. Note also that although all P-17, P-25 and P-26 projects are shown in the project schedule, not all projects will have a corresponding exhibit. A P-17 or P-25 exhibit is only included if data beyond the Project Number, Project Title and Cost are included (for example: for the P-17, Description, Manufacturer, etc.; for the P-25, Narrative Explanation, Cost Elements, Principle Milestones, etc.). A P-26 exhibit is only included if data beyond Project Type and Total Cost are included (for example, Description, Contractor, Maintenance/Recurring/Environmental/Other costs, etc.).

**Justification:**

FY 2025 procurement dollars in the amount of \$640.160 million will support modernization projects to include construction of the Future Artillery Complex facility at Iowa Army Ammunition Plant (AAP), 7.62MM Reduced Range Ammunition Process facility, and One Way Luminescence Ammunition production facility at Lake City AAP. Program will also fund infrastructure improvements at all five (5) GOCOs to maintain production continuity. Additional efforts include, but not limited to, design, work environment projects, improvements for personnel safety and health, and emergent maintenance for all GOCOs. Funds will provide engineering support of industrial facilities, pre-design efforts for future-year modernization projects.



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support		<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY 2025 funding also supports the protection and preservation of industrial facilities at active and inactive Army ammunition installations and equipment that is no longer required for current production but must be retained for future production needs. Funds support the decontamination and demolition of excess production equipment and facilities buildings at Holston, Iowa, Lake City, and Radford Army Ammunition Plants, and Pine Bluff Arsenal.</p> <p>FY 2025 funding supports the care and maintenance of layaway equipment and facilities at active and inactive ammunition installations.</p> <p>The FY 2023 actuals for base include \$1.402 billion emergency supplemental funding to support the procurement of replacement ammunition transferred to Ukraine in support of the international effort to counter Russian aggression.</p>		

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Treatment Technology Alternatives to Open Burning **Project Number:** 5XX3214 **Project Category:**

**End Item Supported Model:** Research Develop Expl(RDX),High Melt Expl(HMX),Insensitive Mun Expl(IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	43.307	5.000	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: <span style="float: right;">Apr 2023</span> Initial/Final Project Award: <span style="float: right;">Mar 2021 / Mar 2024</span> Construction Complete: <span style="float: right;">Aug 2026</span> Equipment Installation Complete: <span style="float: right;">Jun 2026</span> Prove Out Begins: <span style="float: right;">Aug 2026</span> Prove Out Complete: <span style="float: right;">Mar 2027</span>						
B. Equipment Cost	20.000	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
<b>Total Project Cost</b>	<b>63.307</b>	<b>5.000</b>	-	-	-							
<b>Related Projects</b>						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**

There is no FY 2025 Base request. Procurement dollars supports the Army's investments in explosive waste treatment capabilities at Holston AAP that provide an alternative to open burning. These explosives contaminated materials are currently open burned at the installation. Holston AAP is required to significantly reduce open burning of Material Potentially Presenting an Explosive Hazard (MPPEH) in compliance with DoD Explosives Safety Board (DDESB) and Tennessee Department of Environment and Conservation (TDEC) requirements. The new flashing furnace facility will dispose of explosive waste generated during the explosives manufacturing process and thermally treats various explosives contaminated materials and some explosive wastes. The facility efforts will include stack testing to determine the optimal mix of these materials/wastes and will support optimization and maintain environmental compliance while improving personnel safety. In addition, this project supports the construction of a new explosive decomposition center facility to provide environmental alternative to treat bulk explosives produced at Holston AAP.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** RDX Wastewater Infrastructure Design, Upgrades, and Construction **Project Number:** 5233978 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO				
A. Construction Cost	10.145	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2023 / Sep 2023</span> Construction Complete: <span style="float: right;">Aug 2024</span> Equipment Installation Complete: Prove Out Begins: <span style="float: right;">Sep 2024</span> Prove Out Complete: <span style="float: right;">Sep 2024</span>				
B. Equipment Cost	-	-	-	-	-					
C. Equipment Installation Cost	-	-	-	-	-					
D. Contractor Support Cost	0.750	-	-	-	-					
E. Corps of Engineers Support Cost	-	-	-	-	-					
F. Other In-House Support Cost	-	-	-	-	-					
G. Total Facility Project Cost	-	-	-	-	-					
H. Other Costs	1.200	-	-	-	-					
Total Project Cost	12.095	-	-	-	-					
<b>Related Projects</b>										
	<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>			

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports RDX wastewater infrastructure design, upgrades, and construction at Holston Army Ammunition Plant (AAP). This project will modernize the existing Activated Waste Sludge Basin system and other systems at Holston AAP Industrial Wastewater Treatment Facility (IWWTF). Execution of this project will facilitate the increase in production of explosives while allowing for continued compliance with existing environmental permits. This project will enable HSAAP to maintain the treatment and concentration of waste sludge at the IWWTF to achieve performance specifications for dewatering and disposal to HSAAP's onsite landfill, and thus support manufacture of explosives to the desired production capacity. This will allow for increased production of explosives required for high demand munitions such as 155mm artillery and missiles that are being supplied to allies in theatre.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Upgrade Laundry Facility Upgrades and Construction **Project Number:** 5233979 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	8.000	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023 / Oct 2024</span> Construction Complete: <span style="float: right;">Nov 2026</span> Equipment Installation Complete: <span style="float: right;">Sep 2026</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	2.000	-	-	-	-							
C. Equipment Installation Cost	0.850	-	-	-	-							
D. Contractor Support Cost	0.689	-	-	-	-							
E. Corps of Engineers Support Cost	1.284	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.855	-	-	-	-							
Total Project Cost	13.678	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports construction of a new laundry facility at Holston Army Ammunition Plants (AAP). Holston AAP depends on an onsite laundry facility to support routine and specialty laundering requirements of a variety of worker garments and production area fabrics utilized in conjunction with explosives production operations. The new facility will handle large volume of contaminated personal protection equipment and address increased capacity expansion efforts at Holston AAP. This will replace the legacy facility which is approaching end of service life with structural integrity concerns and operational inefficiencies. This new facility will be capable of meeting current and future requirements.

Upward adjustment in accordance with refined scope.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Road Improvements and Railroad Crossing **Project Number:** 5233980 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	7.224	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023 / Jul 2024</span> Construction Complete: <span style="float: right;">Dec 2024</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	0.250	-	-	-	-							
E. Corps of Engineers Support Cost	0.774	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.250	-	-	-	-							
Total Project Cost	8.498	-	-	-	-							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports improvements and modernization to roads and the railroad crossing at Holston Army Ammunition Plant. This is necessary to ensure safe and reliable transportation of incoming raw materials and internal movements of product by truck, reducing the risk of potential safety and environmental hazards. Improving safety of the HSAAP facility supports operational readiness of the plant to meet critical explosive production demands.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Area B Third Acid Train **Project Number:** 5235110 **Project Category:**

**End Item Supported Model:** Research Development Explosives (RDX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO														
A. Construction Cost	3.262	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Aug 2021 / Sep 2023</span> Construction Complete: <span style="float: right;">Apr 2025</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	-	-	-	-	-															
Total Project Cost	3.262	-	-	-	-															
						<b>Related Projects</b>														
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 40%;">Title</th> <th style="width: 15%;">FY &amp; Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 5%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports construction of a third acid train facility at Holston Army Ammunition Plant (AAP). This effort supports the modernization initiative to expand annual production capacity of RDX at Holston AAP from eight million pounds to fifteen million pounds. Holston AAP requires expansion of the Acetic Acid and Acetic Anhydride production capacity which is utilized in the nitration of hexamine to crude for RDX and HMX. This modernization project will design a third acetic acid train and an additional acetic anhydride train facility at Holston.  
 This modernization effort will eliminate reliance on the Area A process operations and improve safety as well as process reliability.  
 Approved program increase for project completion.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Consolidated Compressed Air Facility, Construction **Project Number:** 5255167 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	2.750	-	2.750	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2025</span> Construction Complete: <span style="float: right;">Oct 2026</span> Equipment Installation Complete: <span style="float: right;">Aug 2026</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	9.375	-	9.375							
C. Equipment Installation Cost	-	-	1.175	-	1.175							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	13.300	-	13.300							
											Related Projects	
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$13.300 million supports the modernization and construction of a Consolidated Compressed Air Facility at Holston Army Ammunition Plant. This project will upgrade legacy compressed air generation facility, replaced aged equipment and infrastructure. Technological improvements and space optimization will improve efficiencies by incorporating smart distribution planning to increase safety, efficiencies, and reduce operational costs.

This is a new start for FY 2025.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>Project Title:</b> ANSol Tank Farms, (B-5, B-11), Construct	<b>Project Number:</b> 5XX5168	<b>Project Category:</b>
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**End Item Supported Model:** Research Development Explosives (RDX), High Melt Explosives (HMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO																				
A. Construction Cost	93.329	2.500	-	-	-	<table border="0" style="width: 100%;"> <tr> <td style="width: 70%;"><b>Principal Milestones</b></td> <td style="width: 30%;"><b>Month &amp; Year</b></td> </tr> <tr> <td>Concept Design Complete:</td> <td></td> </tr> <tr> <td>Final Design Complete:</td> <td align="center">Dec 2020</td> </tr> <tr> <td>Initial/Final Project Award:</td> <td align="center">Dec 2019 / Aug 2024</td> </tr> <tr> <td>Construction Complete:</td> <td align="center">Nov 2027</td> </tr> <tr> <td>Equipment Installation Complete:</td> <td align="center">Dec 2025</td> </tr> <tr> <td>Prove Out Begins:</td> <td align="center">Dec 2027</td> </tr> <tr> <td>Prove Out Complete:</td> <td align="center">Apr 2028</td> </tr> </table>					<b>Principal Milestones</b>	<b>Month &amp; Year</b>	Concept Design Complete:		Final Design Complete:	Dec 2020	Initial/Final Project Award:	Dec 2019 / Aug 2024	Construction Complete:	Nov 2027	Equipment Installation Complete:	Dec 2025	Prove Out Begins:	Dec 2027	Prove Out Complete:	Apr 2028
<b>Principal Milestones</b>	<b>Month &amp; Year</b>																									
Concept Design Complete:																										
Final Design Complete:	Dec 2020																									
Initial/Final Project Award:	Dec 2019 / Aug 2024																									
Construction Complete:	Nov 2027																									
Equipment Installation Complete:	Dec 2025																									
Prove Out Begins:	Dec 2027																									
Prove Out Complete:	Apr 2028																									
B. Equipment Cost	15.000	-	-	-	-																					
C. Equipment Installation Cost	5.000	-	-	-	-																					
D. Contractor Support Cost	-	-	-	-	-																					
E. Corps of Engineers Support Cost	6.200	-	-	-	-																					
F. Other In-House Support Cost	-	-	-	-	-																					
G. Total Facility Project Cost	-	-	-	-	-																					
H. Other Costs	0.500	-	-	-	-																					
<b>Total Project Cost</b>	<b>120.029</b>	<b>2.500</b>	<b>-</b>	<b>-</b>	<b>-</b>																					
<b>Related Projects</b>																										
	<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>																			

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports replacement and construction of acid tanks in the B-5 and B-11 areas at Holston Army Ammunition Plant (AAP). The tanks support the storage of Ammonium Nitrate Solution (ANSol), a byproduct of Holston AAP RDX and HMX production operations. The existing acid tank farm is insufficient to support future RDX and HMX production requirements. The new tank farm will be compliant with all necessary RCRA (Resource Conservation and Recovery Act) requirements for the maintenance and storage of hazardous materials.



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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Barricade Repairs, Replacements, and Infrastructure Upgrades **Project Number:** 5235177 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO							
A. Construction Cost	18.068	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2023 / May 2024</span> Construction Complete: <span style="float: right;">Mar 2025</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:							
B. Equipment Cost	-	-	-	-	-								
C. Equipment Installation Cost	-	-	-	-	-								
D. Contractor Support Cost	0.336	-	-	-	-								
E. Corps of Engineers Support Cost	1.411	-	-	-	-								
F. Other In-House Support Cost	-	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	0.336	-	-	-	-								
Total Project Cost	20.151	-	-	-	-								
							Related Projects						
							Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports construction of barricade replacement and infrastructure repairs at Holston Army Ammunition Plant (AAP). This project addresses immediate issues of existing wood barricade degradation that if not repaired can result in production stoppage at HSAAP that would delay current explosive production required to support critical munitions. Infrastructure upgrades as part of this project include the removal and mitigation of the coal pile at Holston AAP. The potential for the spread of contaminants from this coal pile can lead to non-compliance with environmental regulation and personnel safety and health. These improvements are necessary to maintain operational readiness to ensure production continuity production continuity, environmental compliance, and overall safety of personnel and property at the plant; allowing for increased production of high demand explosives used for 155mm artillery and missiles that are being provided to our allies in theatre.

Funding adjusted in accordance with refined scope.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Toluene Emissions and Process Improvements **Project Number:** 5235178 **Project Category:**

**End Item Supported Model:** Artillery Fuzes and Warheads **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO							
A. Construction Cost	9.549	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Dec 2022 / Mar 2024</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Nov 2024</span> Prove Out Begins: Prove Out Complete:							
B. Equipment Cost	7.700	-	-	-	-								
C. Equipment Installation Cost	1.300	-	-	-	-								
D. Contractor Support Cost	0.750	-	-	-	-								
E. Corps of Engineers Support Cost	-	-	-	-	-								
F. Other In-House Support Cost	-	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	0.250	-	-	-	-								
Total Project Cost	19.549	-	-	-	-								
<b>Related Projects</b>							<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports design and implement modifications to the Trinitrobenzene (TATB) processing equipment at the Holston Army Ammunition Plant. Toluene emissions generated in the current TATB manufacturing process limit the number of batches on a yearly basis. Toluene emissions are a Hazardous Air Pollutant (HAP) under Title III of the Clean Air Act and fall under the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Organic Chemicals. This is hindering the facility ability to meet production requirements. This project will replace and modernize various equipment and infrastructure and will improve batch size/quality while increasing the amount of TATB produced per year for the Department of Defense and Department of Energy, nuclear warheads as well as fuses used in conventional weapons such as 155mm artillery munitions being supplied to allies.

Upward adjustment in accordance with refined scope.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Drying Energetics Building & Automatic Fire Suppression System **Project Number:** 5255287 **Project Category:**

**End Item Supported Model:** Research Develop Expl (RDX), High Melt Expl (HMX), Insensitive Mun Expl (IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Holston Army Ammunition Plant Facility Location: Kingsport, Tennessee Facility Type (GOGO, GOCO, COCO): GOCO														
A. Construction Cost	-	-	1.500	-	1.500	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2025</span> Construction Complete: <span style="float: right;">Sep 2026</span> Equipment Installation Complete: <span style="float: right;">Jul 2026</span> Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	3.000	-	3.000															
C. Equipment Installation Cost	-	-	0.700	-	0.700															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	-	-	-	-	-															
Total Project Cost	-	-	5.200	-	5.200															
							<b>Related Projects</b>													
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 40%;">Title</th> <th style="width: 10%;">FY &amp; Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$5.200 million supports the modernization of the Drying Energetics Building and Automatic Fire Suppression System at Holston Army Ammunition Plant. The current energetics drying facility and fire suppression systems utilize obsolete technologies that were constructed over 80 years ago during World War II. This project will incorporate heat recovery ventilation, moisture control systems, extend filtered water supply lines, and replace existing fire suppression with automatic fire suppression system that reacts to rapid rise in heat or a fire without human intervention. This project will increase safety and incorporates efficiencies during the drying process.

This is a new start in FY 2025.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** PAX - 3 Production G Building Modernization & Construction **Project Number:** 5255288 **Project Category:**

**End Item Supported Model:** Grenades and Tank Ammunition **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	7.600	-	7.600	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: <span style="float: right;">Jan 2025</span> Initial/Final Project Award: <span style="float: right;">Mar 2025</span> Construction Complete: <span style="float: right;">Oct 2027</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	0.700	-	0.700							
<b>Total Project Cost</b>	-	-	8.300	-	8.300	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$8.300 million supports the modernization and construction of a new Picatinny Arsenal Explosive (PAX) 3 at Holston Army Ammunition Plant. PAX-3 is currently produced at the pilot plant which has restrictions that limit production rates. The pilot plant has been used recently to produce PAX-3 in small quantities up to a few thousand lbs annually. Any more production than this would significantly interfere with other operations for which the building is intended. Shifting production to a new building will allow increased production, more efficient production and greater schedule flexibility. This project would increase the PAX-3 production capacity to meet the anticipated future requirements.

This is a new start for FY 2025.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Secondary Process River Water Intake Facility **Project Number:** 5255289 **Project Category:**

**End Item Supported Model:** Research Develop Expl(RDX),High Melt Expl(HMX),Insensitive Mun Expl(IMX) **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Holston Army Ammunition Plant <b>Facility Location:</b> Kingsport, Tennessee <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	85.060	-	85.060	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: <span style="float: right;">Jun 2024</span> Initial/Final Project Award: <span style="float: right;">Apr 2025</span> Construction Complete: <span style="float: right;">Sep 2028</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	3.000	-	3.000							
<b>Total Project Cost</b>	-	-	88.060	-	88.060	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$88.060 million supports the construction of a secondary process river water intake facility at Holston Army Ammunition Plant. The current river water intake was found to be noncompliant with the Clean Water Act section 316(b) provisions regarding the velocity of intake water through the traveling screens and the possibility to impinge aquatic life. This project will create an additional river water intake facility, eliminating the uniqueness of the existing intake structure and will function as the primary river water intake. This facility will allow the existing facility to be taken off-line for upgrades related to the Clean Water Act section 316(b). The goal of this project is compliance with 316(b) requirements per the Tennessee Department of Environmental Quality (TDEC) timeline.

This is a new start for FY 2025.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>Project Title:</b> Future Artillery Complex	<b>Project Number:</b> 5XX5030	<b>Project Category:</b>
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<b>End Item Supported Model:</b> Artillery and Mortars	<b>Annual Capacity Before / After (1-8-5):</b> /
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Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	50.000	526.532	240.650	-	240.650	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: <span style="float: right;">Sep 2024</span> Initial/Final Project Award: <span style="float: right;">Sep 2019 / Mar 2025</span> Construction Complete: <span style="float: right;">Oct 2027</span> Equipment Installation Complete: <span style="float: right;">Oct 2027</span> Prove Out Begins: <span style="float: right;">Nov 2027</span> Prove Out Complete: <span style="float: right;">Jul 2028</span>						
B. Equipment Cost	-	-	26.000	-	26.000							
C. Equipment Installation Cost	-	-	10.000	-	10.000							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	3.298	4.000	-	4.000							
<b>Total Project Cost</b>	<b>50.000</b>	<b>529.830</b>	<b>280.650</b>	<b>-</b>	<b>280.650</b>	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$280.650 million supports phase II construction of a modern artillery production facility at Iowa Army Ammunition Plant. The existing melt pour operation is a WWII era facility designed for mass production quantities and does not meet modern requirements. The existing facility is limited by process constraints resulting in low rates of production not meeting current demand and surge. The existing process is laborious and time consuming, with limited process controls and antiquated equipment and infrastructure. This modernization project will relocate and reduce the overall footprint of the artillery melt pour process and mortar line production operations. This modernization effort improves the load, assembly and pack-out process and reduces the cost of munitions. This new artillery production facility will achieve efficient manufacturing operations, automation for operator safety improvements, graceful degradation by separation of facilities explosive arcs and duplicate production lines, improve quality control, improve on energy efficiencies and allow for production of next generation artillery all while being capable of scaling capacity for both peace and war production requirements. This project supports artillery (155mm M795, XM1113, and M1128) and mortar (120mm, 81mm, and 60mm) production programs.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** K Yard Improvements **Project Number:** 5235034 **Project Category:**

**End Item Supported Model:** Artillery **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Iowa Army Ammunition Plant Facility Location: Middletown, Iowa Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	8.142	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023 / Nov 2023</span> Construction Complete: <span style="float: right;">Dec 2024</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	8.142	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 Procurement dollars in the amount of \$8.142 million supports improvements to the K Yard at Iowa Army Ammunition Plant (AAP). This effort supports improvements to Earth Covered Magazines (ECM) in the K Yard that are currently inactive. This project will restore inactive ECMs and allow for additional storage of energetics at Iowa AAP which will enable increase production capacity load assembly and packout of 155mm artillery projectiles while increasing safety of material handling within the K Yard.

Funding increased to support expanded production operations.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** New Tool & Die Facility **Project Number:** 5235319 **Project Category:**

**End Item Supported Model:** 40mm, Tank, Artillery, C4 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO							
A. Construction Cost	30.900	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: Jun 2023 Construction Complete: Dec 2024 Equipment Installation Complete: Oct 2024 Prove Out Begins: Prove Out Complete:	<b>Related Projects</b>						
B. Equipment Cost	3.500	-	-	-	-		<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>
C. Equipment Installation Cost	-	-	-	-	-								
D. Contractor Support Cost	0.500	-	-	-	-								
E. Corps of Engineers Support Cost	3.800	-	-	-	-								
F. Other In-House Support Cost	-	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	1.300	-	-	-	-								
Total Project Cost	40.000	-	-	-	-								

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports the design and build for the Tool and Die Facility at Iowa Army Ammunition Plant. The current facility is located within an explosive arc, risking workplace safety and regulatory compliance. The tool and die facility manufacture all the required specialty tooling and spare parts for the machinery. These parts are specialty and custom made. Having this functionality at the facility allow for replacement and regular maintenance to occur without production delays. This project will replace obsolete equipment with state-of-the-art equipment with improved and new capabilities. A new location for the tool and die facility outside of the explosive arc would improve site resiliency and safety while ensuring continued operations during accelerated production of 155mm artillery rounds for allies in theatre.

Upward adjustment in accordance with refined scope.



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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Roadway Improvements **Project Number:** 5235320 **Project Category:**

**End Item Supported Model:** 40mm, Tank, Artillery, C4 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO							
A. Construction Cost	13.750	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Jan 2023</span> Construction Complete: <span style="float: right;">Aug 2025</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:							
B. Equipment Cost	-	-	-	-	-								
C. Equipment Installation Cost	-	-	-	-	-								
D. Contractor Support Cost	0.300	-	-	-	-								
E. Corps of Engineers Support Cost	0.950	-	-	-	-								
F. Other In-House Support Cost	-	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	-	-	-	-	-								
Total Project Cost	15.000	-	-	-	-								
<b>Related Projects</b>							<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports roadway infrastructure improvements at Iowa Army Ammunition Plant (AAP). Many of these roads were constructed 70 years ago as part of the county road network. Over time there has been repairs to the roads, but not a total repaving effort. These roads are in poor condition and are a safety hazard for drivers. The objective is to ensure safe access around the facility by both employees' personal vehicles and plant operational vehicles, including explosive laden trucks. Any incidents could risk production interruptions of load assembly and packout of 155mm artillery rounds which are being accelerated due to increased requirements from our allies.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Energetics Facilities, Modernization Upgrades **Project Number:** 5235321 **Project Category:**

**End Item Supported Model:** Propellent Charges for Mortars and Artillery **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	26.553	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Jul 2024 Initial/Final Project Award: Mar 2023 / Mar 2024 Construction Complete: Mar 2026 Equipment Installation Complete: Mar 2026 Prove Out Begins: Apr 2026 Prove Out Complete: Dec 2026						
B. Equipment Cost	13.745	-	-	-	-							
C. Equipment Installation Cost	3.749	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	2.811	-	-	-	-							
<b>Total Project Cost</b>	<b>46.858</b>	-	-	-	-	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports modernization upgrades of energetics facilities at Iowa Army Ammunition Plant. The current energetics facility includes both Modular Artillery Charges (MACs) and mortar increments, which has limited agile manufacturing capability. These modernization upgrades will allow simultaneous production of both MACs and mortar increments which will increase efficiencies and production capabilities. It will also provide the opportunity to improve the assembly lines by incorporating automation to increase production, quality, and safety while decreasing the risk of injury while providing costs savings.

Funding adjusted in accordance with refined scope.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Direct Fire Production Facility Design **Project Number:** 5245322 **Project Category:**

**End Item Supported Model:** Tank Ammunition **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> Concept Design Complete: Oct 2023 Final Design Complete: Sep 2025 Initial/Final Project Award: Mar 2024 Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:	<b>Month &amp; Year</b>					
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	26.730	-	-	-							
Total Project Cost	-	26.730	-	-	-							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports the design of a new, state-of-the-art Direct Fire Production Facility at Iowa Army Ammunition Plant. The new facility will gain more efficiencies, expand capacity, and will be flexible to support future requirements. The design charrette is currently being executed and was completed in October 2023.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Line 3A Modernization **Project Number:** 5235323 **Project Category:**

**End Item Supported Model:** 155MM Artillery **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Iowa Army Ammunition Plant <b>Facility Location:</b> Middletown, Iowa <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Aug 2023</span> Construction Complete: <span style="float: right;">Feb 2026</span> Equipment Installation Complete: <span style="float: right;">Dec 2025</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	20.500	-	-	-	-							
C. Equipment Installation Cost	4.200	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	24.700	-	-	-	-							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports design and implementation of process efficiencies, improved reliability, and increased safety within the Line 3A to increase production throughput and improve quality of 155MM artillery projectiles. This project will employ modern and automated technologies to support the Iowa Army Ammunition Plant strategic vision for efficient production lines and to increase production to meet increase 155mm artillery demand for our allies.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>Project Title:</b> Small Caliber Modernization, Next Generation Squad Weapon Ammunition facility	<b>Project Number:</b> 5XX3356	<b>Project Category:</b>
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<b>End Item Supported Model:</b> 6.8mm	<b>Annual Capacity Before / After (1-8-5):</b> /
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Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Lake City Army Ammunition Plant Facility Location: Independence, Missouri Facility Type (GOGO, GOCO, COCO): GOCO																																												
A. Construction Cost	420.414	32.700	-	-	-	<table border="0" style="width: 100%;"> <tr> <td colspan="2"><b>Principal Milestones</b></td> <td colspan="3"><b>Month &amp; Year</b></td> </tr> <tr> <td>Concept Design Complete:</td> <td></td> <td>Jun 2023</td> <td></td> <td></td> </tr> <tr> <td>Final Design Complete:</td> <td></td> <td>Dec 2017 / Jul 2024</td> <td></td> <td></td> </tr> <tr> <td>Initial/Final Project Award:</td> <td></td> <td>Dec 2026</td> <td></td> <td></td> </tr> <tr> <td>Construction Complete:</td> <td></td> <td>Dec 2026</td> <td></td> <td></td> </tr> <tr> <td>Equipment Installation Complete:</td> <td></td> <td>Dec 2026</td> <td></td> <td></td> </tr> <tr> <td>Prove Out Begins:</td> <td></td> <td>Jan 2027</td> <td></td> <td></td> </tr> <tr> <td>Prove Out Complete:</td> <td></td> <td>Sep 2027</td> <td></td> <td></td> </tr> </table>					<b>Principal Milestones</b>		<b>Month &amp; Year</b>			Concept Design Complete:		Jun 2023			Final Design Complete:		Dec 2017 / Jul 2024			Initial/Final Project Award:		Dec 2026			Construction Complete:		Dec 2026			Equipment Installation Complete:		Dec 2026			Prove Out Begins:		Jan 2027			Prove Out Complete:		Sep 2027		
<b>Principal Milestones</b>		<b>Month &amp; Year</b>																																																
Concept Design Complete:		Jun 2023																																																
Final Design Complete:		Dec 2017 / Jul 2024																																																
Initial/Final Project Award:		Dec 2026																																																
Construction Complete:		Dec 2026																																																
Equipment Installation Complete:		Dec 2026																																																
Prove Out Begins:		Jan 2027																																																
Prove Out Complete:		Sep 2027																																																
B. Equipment Cost	76.040	24.000	-	-	-																																													
C. Equipment Installation Cost	8.000	5.000	-	-	-																																													
D. Contractor Support Cost	3.276	1.800	-	-	-																																													
E. Corps of Engineers Support Cost	0.820	0.500	-	-	-																																													
F. Other In-House Support Cost	-	-	-	-	-																																													
G. Total Facility Project Cost	-	-	-	-	-																																													
H. Other Costs	5.000	1.000	-	-	-																																													
<b>Total Project Cost</b>	<b>513.550</b>	<b>65.000</b>	<b>-</b>	<b>-</b>	<b>-</b>																																													
<b>Related Projects</b>																																																		
	<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>																																											

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports purchase of production equipment for the Next Generation Squad Weapon (NGSW) Ammunition facility at Lake City Army Ammunition Plant (AAP). Effort includes the ammunition production equipment purchase and installation as well as design, validation and prove-out of cartridge manufacturing equipment to support initial production volumes. The equipment will support production capacity to achieve the Total Army Munitions Requirement (TAMR) for training, combat, and war reserve.

The new 6.8mm facility will provide a state-of-the-art safe and environmental manufacturing capability to Lake City AAP. The equipping phases will ensure the 6.8mm facility utilizes modern manufacturing systems and equipment for producing cutting edge small caliber ammunition products and will include systems capable of manufacturing NGSW projectiles, cartridge cases, and finished cartridges. Production disciplines may include metal and polymer parts manufacturing as well as energetic operations for charging, priming, and loading ammunition. Additionally, classified manufacturing, charging, priming, and loading capability will also be established. Cartridge packing areas, process quality controls including testing laboratories, maintenance operations, and general use administrative area including shipping and receiving of raw materials and finished products to support large-scale production to meet Army requirements will be included. The manufacturing processes will have a significant level of automation with advanced safety and environmental sustainable material handling operations ensuring graceful degradation, operational resilience, and isolation of mass energetics from people. The production building and process support systems will be designed to accommodate best practice manufacturing methodologies, processes, and equipment that provide flexible, maintainable, and sustainable operations to ensure manufacturing readiness to meet future requirements and technology advancements.

The Next Generation Squad Weapon (NGSW) is a Middle Tier of Acquisition program that has transitioned from rapid prototyping to rapid fielding of a new rifle, automatic rifle, and ammunition which provides increased lethality. The Next Generation Squad Weapon - Ammunition (NGSW-A) program will consist of a suite of 6.8mm training

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<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10		<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
<b>Project Title:</b> Small Caliber Modernization, Next Generation Squad Weapon Ammunition facility		<b>Project Number:</b> 5XX3356
<b>End Item Supported Model:</b> 6.8mm		<b>Project Category:</b>
		<b>Annual Capacity Before / After (1-8-5): /</b>
<p>and combat cartridges. Selection of Lake City AAP as the NGSW-A production facility will promote long-term security of supply for 6.8mm ammunition by integrating the loading, assembly, and pack out processes with the production of major ammunition subcomponents, such as cartridge case manufacturing, and projectile forming. Joint Program Executive Office (JPEO) Armaments and Ammunition is the agency lead for the development of this requirement to provide a new squad weapon ammunition round to increase Soldier lethality. Lake City AAP was identified as the production site for the NGSW round due to its existing ammunition production support infrastructure and its ability to retain highly qualified, expert small caliber ammunition manufacturing personnel. There is currently no high capacity 6.8mm ammunition manufacturing facilities in the National Technology Industrial Base (NTIB).</p> <p>The NGSW-A program is a key Army Modernization Priority and supports the Soldier Lethality Cross Functional Team (CFT) objectives. This program will deliver light weight, performance enhanced small-caliber ammunition to Warfighters for improved mission readiness and assured overmatch capability. At completion, Lake City AAP will provide high-volume capability within the organic industrial base to produce 6.8mm ammunition. Lake City AAP will have state-of-the-art manufacturing equipment, processes, facilities, and infrastructure to achieve the Army's annual production requirement, with no impact to current production capacity for legacy small caliber ammunition under a surge scenario.</p> <p>An upward adjustment notification was processed and approved.</p>		

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Automated Contaminated Waste Plant **Project Number:** 5245233 **Project Category:**

**End Item Supported Model:** 5.56mm, 7.62mm, and .50 Cal **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Lake City Army Ammunition Plant <b>Facility Location:</b> Independence, Missouri <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO				
A. Construction Cost	-	7.675	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Apr 2023 Final Design Complete: Jun 2024 Initial/Final Project Award: Jun 2021 / Aug 2024 Construction Complete: Feb 2027 Equipment Installation Complete: Dec 2024 Prove Out Begins: Mar 2027 Prove Out Complete: Apr 2027				
B. Equipment Cost	-	1.500	-	-	-					
C. Equipment Installation Cost	-	-	-	-	-					
D. Contractor Support Cost	-	-	-	-	-					
E. Corps of Engineers Support Cost	-	0.575	-	-	-					
F. Other In-House Support Cost	-	-	-	-	-					
G. Total Facility Project Cost	-	-	-	-	-					
H. Other Costs	-	0.250	-	-	-					
Total Project Cost	-	10.000	-	-	-					
<b>Related Projects</b>										
	<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>			

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports construction of a new Automated Contaminated Waste Plant at Lake City Army Ammunition Plant. This new facility will provide the capability for decontamination of various plant production equipment and items which have been contaminated with propellant, explosives, and pyrotechnic compounds. The new facility will provide liquid (wet-kill) decontamination bays as well as a decontamination verification car-bottom oven. The facility will also include necessary waste collection, treatment, and neutralization provisions. In addition, this project will include in-process incoming and outgoing material staging areas, upgrades to Buildings, and equipment therein to the two buildings/operations and replacement of 160C Explosive Lift Station.





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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** New One Way Luminescence Ammo Production Facility **Project Number:** 5253361 **Project Category:**

**End Item Supported Model:** Small Caliber Ammunition **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Lake City Army Ammunition Plant Facility Location: Independence, Missouri Facility Type (GOGO, GOCO, COCO): GOCO	Principal Milestones	Month & Year				
A. Construction Cost	-	-	35.000	-	35.000	Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-			Mar 2025				
F. Other In-House Support Cost	-	-	-	-	-			May 2026				
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	35.000	-	35.000							
						<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$35.000 million supports the modernization and construction of facilities, equipment, and process Modernization improvements of the One Way Luminescence (OWL) Ammunition capability at Lake City Army Ammunition Plant (AAP). This project establishes a new production facility at Lake City AAP that will produce the OWL. The OWL tracer is one part of a suite of next generation small caliber ammunition which includes the XM1161 and XM1201 cartridges. The OWL tracer improves Soldier capabilities with reduced risk to personnel and the environment. New OWL technology brings in a completely new set of requirements for production. New OWL technology brings in a completely new set of requirements for production. Existing manufacturing technology is incapable of producing the OWL projectiles.

This is a new start for FY 2025.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Chemical Grind Facility **Project Number:** 5XX3140 **Project Category:**

**End Item Supported Model:** Propellants for Large, Medium, Small Cal, Rockets Munitions **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	35.832	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Feb 2021 Initial/Final Project Award: Nov 2022 / Nov 2024 Construction Complete: Apr 2026 Equipment Installation Complete: Jun 2026 Prove Out Begins: Jun 2026 Prove Out Complete: Jul 2026						
B. Equipment Cost	15.100	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	50.932	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports the construction of a chemical grind facility at Radford Army Ammunition Plant. The current Chemical Grind facility, which is used to grind, sift, sort, and weigh out chemicals accurately for use in propellant production, has been in service since the plant was built in the 1940s and has exceeded its service life. The entire facility is in poor condition. Safety, health, and environmental regulations have changed significantly since the original date of construction resulting in the need for improvement to these operations to bring them fully into compliance with current regulations.  
  
 The new facility will be located in an area of the plant outside of the 100-year floodplain and include bulk material storage in the warehouse portion of the facility instead of at a separate location over a mile away like the current facility. It will be constructed of durable building materials capable of providing a minimum of 50 years of service life. It will also comply with all current safety, health, and environmental regulations to minimize operator exposure to toxic chemicals and potential releases of these chemicals to the environment.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Workplace Safety Upgrades **Project Number:** 5XX3753 **Project Category:**

**End Item Supported Model:** Propellants for Large, Medium, Small Cal, Rockets Munitions **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Radford Army Ammunition Plant Facility Location: Radford, Virginia Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	25.900	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2023</span> Construction Complete: <span style="float: right;">Aug 2026</span> Equipment Installation Complete: <span style="float: right;">May 2026</span> Prove Out Begins: <span style="float: right;">Aug 2025</span> Prove Out Complete: <span style="float: right;">Jul 2026</span>						
B. Equipment Cost	11.300	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	37.200	-	-	-	-							
						<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports modernization upgrades to improve safety measures and reduce risk of injury to personnel at Radford Army Ammunition Plant (AAP). This project will address major deficiencies in several production areas across numerous Radford AAP operations that will provide for a safer manufacturing environment for the entire plant, including the solvent propellant manufacturing facility and finishing area that support all things 155mm requirements. Efforts include replacement or repair of aging and deteriorated equipment and ventilation as well as process enhancement measures to reduce safety risk.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>Project Title:</b> Solvent Propellant Facility Sustainment, Ph 3	<b>Project Number:</b> 5XX5145	<b>Project Category:</b>
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<b>End Item Supported Model:</b> Propellants for Large, Medium, and Small Cal Munitions	<b>Annual Capacity Before / After (1-8-5):</b> /
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Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Radford Army Ammunition Plant Facility Location: Radford, Virginia Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	3.000	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023 / Mar 2024</span> Construction Complete: <span style="float: right;">Mar 2025</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	1.000	-	-	-							
Total Project Cost	-	4.000	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports modernization and sustainment of the solvent propellant facility at Radford Army Ammunition Plant. The facility was constructed during the 1940s and has operated beyond its useful life. This effort is the third phase to replace and repair critical production equipment and infrastructure and provide assessment of future corrective actions. Effort is required to ensure production continuity of solvent propellants until a new, modernized facility is designed and constructed.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** NAC/SAC Process Improvements **Project Number:** 5233120 **Project Category:**

**End Item Supported Model:** Propellants for Large, Medium, and Small Cal Munitions **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	12.050	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: <span style="float: right;">Sep 2023</span> Initial/Final Project Award: <span style="float: right;">Apr 2023 / Feb 2024</span> Construction Complete: <span style="float: right;">Sep 2025</span> Equipment Installation Complete: <span style="float: right;">Sep 2026</span> Prove Out Begins: <span style="float: right;">Oct 2025</span> Prove Out Complete: <span style="float: right;">Oct 2026</span>						
B. Equipment Cost	11.000	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.500	-	-	-	-							
Total Project Cost	23.550	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports various process improvements to the nitric acid concentrator and sulfuric acid concentrator (NAC/SAC) at Radford Army Ammunition Plant. This facilities and maintenance effort includes modernization design, procurement and installation of various process equipment. Effort will enhance the process operations of the NAC/SAC facility to support Radford AAP's annual NC production capacity of 20-28M pounds. The NAC/SAC supports the re-concentrating and reuse of acid for the manufacture of nitrocellulose (NC) that is the main ingredient in solvent propellant used in the 155mm munitions in support of our allies.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Steam Distribution System Modernization Phase 1 **Project Number:** 5233845 **Project Category:**

**End Item Supported Model:** Propellants for Large, Medium, Small Cal, Rockets Munitions **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	27.970	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Sep 2023 / Jun 2024</span> Construction Complete: <span style="float: right;">Sep 2025</span> Equipment Installation Complete: <span style="float: right;">Jul 2025</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	8.780	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.750	-	-	-	-							
Total Project Cost	37.500	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports upgrade and replace the steam distribution system that is critical to propellant production at Radford Army Ammunition Plant (AAP). Without the steam systems, the production at Radford AAP could cease. This Phase 1 effort will replace ~10% of 58 miles of steam distribution system to include piping, valves, traps, and insulation. Steam is used in support of the production areas across numerous operations including the solvent propellant manufacturing facility and finishing area that support all things 155mm requirements.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** EvenSpeed Roll Mill Upgrade **Project Number:** 5233846 **Project Category:**

**End Item Supported Model:** **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	17.000	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Aug 2023 / Mar 2024</span> Construction Complete: <span style="float: right;">Mar 2026</span> Equipment Installation Complete: <span style="float: right;">Feb 2026</span> Prove Out Begins: <span style="float: right;">Apr 2026</span> Prove Out Complete: <span style="float: right;">Sep 2026</span>						
B. Equipment Cost	3.500	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	20.500	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports analysis, design, construct, and procure equipment to support the safe operations of the Evenspeed Roll Mill at Radford Army Ammunition Plant. This project will assess and provide automation upgrades to two areas of solventless rocket propellant grain production in Radford Army Ammunition Plant (RFAAP): the Evenspeed Roll Mill and Rocket Manufacturing area. The current roll mill process is a personal hazard operation at the facility. Improvements include automation and process optimization which will increase safety and minimize risks. The Rocket Manufacturing Upgrade intends to automate and provide production efficiencies for the Sawing, Dowel Rodding (Dowelling), and Coning operations in the Rocket Manufacturing area.

Funding adjusted in accordance with refined scope.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** NC Facility Technology, Hammer mill **Project Number:** 5233847 **Project Category:**

**End Item Supported Model:** Mortars and Artillery **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Jul 2023 / Mar 2024</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">May 2025</span> Prove Out Begins: Prove Out Complete:	<b>Related Projects</b>					
B. Equipment Cost	4.750	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	7.500	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	12.250	-	-	-	-							
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports a new Hammer Mill manufacturing equipment that supports NC technology at Radford AAP. Technology will improve the quality of nitrocellulose fibers, needed for high performance nitrocellulose-based propellants at Radford Army Ammunition Plant. This project will improve the producibility of nitrocellulose used to produce triple-base propellant and combustible cartridge cases in support of production of mortars and artillery in support of all things 155mm. This phase of the project will include design, procurement of long lead equipment and installation.

Funding adjusted in accordance with refined scope.



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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Water Intake Pump Upgrades, Ph 2 **Project Number:** 5253741 **Project Category:**

**End Item Supported Model:** Propellants for Large, Medium, and Small Cal Munitions **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Radford Army Ammunition Plant <b>Facility Location:</b> Radford, Virginia <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	19.500	-	19.500	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2025</span> Construction Complete: <span style="float: right;">Jun 2027</span> Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	2.040	-	2.040							
<b>Total Project Cost</b>	-	-	21.540	-	21.540	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$21.540 million supports the upgrades to water intake at Radford Army Ammunition Plant. The current river water intake was built in the 1940's and has served the Radford Army Ammunition Plant with minimal upgrades during the past seventy years. Raw water is taken directly from the New River, and pumped to where it is filtered for use as process and fire suppression water. The phase 1 effort of this program installed new intake pumps, VFDs, new switches, and traveling screens in order to improve water intake capacity, efficiency, resiliency, and to bring RFAAP into environmental compliance regarding wildlife safety. However, despite the upgrades to the primary systems responsible for plant water intake, the surrounding support infrastructure was mostly untouched. This is a problem because the aging infrastructure surrounding the upgraded equipment places the phase 1 investments at risk of degradation due to not adequately protecting them. As a result, the scope in this phase 2 effort contains both the items that were noted as deficient or in need of replacement during inspections prior to phase 1 activities and as well as the items uncovered after phase 1 construction concluded such as the leaking of rainwater on the new pumps and the new control cabinets.

This is a new start in FY 2025.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** 155mm Capacity Improvements **Project Number:** 5XX5186 **Project Category:**

**End Item Supported Model:** 155mm Artillery **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO				
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Sep 2022 / Dec 2023</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Dec 2024</span> Prove Out Begins: <span style="float: right;">Jan 2025</span> Prove Out Complete: <span style="float: right;">Jun 2025</span>				
B. Equipment Cost	53.000	-	-	-	-					
C. Equipment Installation Cost	13.500	-	-	-	-					
D. Contractor Support Cost	-	-	-	-	-					
E. Corps of Engineers Support Cost	-	-	-	-	-					
F. Other In-House Support Cost	-	-	-	-	-					
G. Total Facility Project Cost	-	-	-	-	-					
H. Other Costs	0.500	-	-	-	-					
Total Project Cost	67.000	-	-	-	-					
<b>Related Projects</b>										
	<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>			

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports planning activities necessary to support an increase to production of the M795 projectile surge capacity at Scranton Army Ammunition Plant. The Army is in the process of simultaneously replenishing the nation's stockpile of 155mm High-Explosive (HE) artillery projectiles and developing a series of new artillery projectiles with extended range in support of the Long-Range Precision-Fires modernization priority. As a result, demand for 155mm projectile metal parts has greatly outpaced the current production capacity. This project will increase production capabilities for M795 projectiles to current projected requirement rates. This will be done by increasing rough turn, finish turn, nosing and heat treat capabilities.

Funding adjusted in accordance with approved requirement.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** 155mm Capacity Expansion **Project Number:** 5235187 **Project Category:**

**End Item Supported Model:** M1128, M795 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	247.938	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Feb 2023 / Feb 2024</span> Construction Complete: <span style="float: right;">Dec 2024</span> Equipment Installation Complete: <span style="float: right;">Aug 2024</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	247.937	-	-	-	-							
C. Equipment Installation Cost	10.500	-	-	-	-							
D. Contractor Support Cost	12.525	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	518.900	-	-	-	-							
						<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports procurement and installation of three standalone flexible large caliber production lines at General Dynamics Mesquite facility. This project will include both a traditional metal parts manufacturing capability as well as a production technology known as free flow forming and will be capable of producing various large caliber metal parts. These lines will be complete production lines capable of production from receipt of raw material through shipment of finished goods utilizing potential advances in manufacturing technology and automation. This project supports the increased demand for 155mm metal parts for national stockpile replenishment.

Funding adjusted in accordance with approved requirement.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** M795 Long-Term Production Capacity Increase **Project Number:** 5235188 **Project Category:**

**End Item Supported Model:** M795 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	60.000	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023 / Apr 2024</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Feb 2026</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	152.000	-	-	-	-							
C. Equipment Installation Cost	20.000	-	-	-	-							
D. Contractor Support Cost	5.000	-	-	-	-							
E. Corps of Engineers Support Cost	6.000	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	243.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports capacity expansion of M795 metal parts production at Scranton Army Ammunition Plant (AAP). This includes design, building modifications, equipment moves, procurement and installation of new equipment, and improved automation. The automation upgrades will focus on improved material handling, work in progress (WIP) stacking and automated inspection which will provide a safer environment for personnel and increase quality. In order to accommodate additional capacity, this funding will also be used for the expansion of Scranton AAP.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** GD Wilkes-Barre M795 Long-Term Production Capacity Increase **Project Number:** 5235189 **Project Category:**

**End Item Supported Model:** M795 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO														
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2023</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Dec 2023</span> Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	0.332	-	-	-	-															
<b>Total Project Cost</b>	<b>0.332</b>	-	-	-	-	<b>Related Projects</b>														
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY &amp; Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports design of future capacity expansion efforts at GD Hanover and Sunshine facilities in an effort to preposition the Army for future urgent and accelerated modernization requirements.  
  
 Funding adjusted in accordance with refined scope.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** M107 Production Line Relocation **Project Number:** 5235190 **Project Category:**

**End Item Supported Model:** M107, 5"/54 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Sep 2023 / Feb 2024</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Aug 2024</span> Prove Out Begins: Prove Out Complete:	<b>Related Projects</b>					
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	0.066	-	-	-	-							
E. Corps of Engineers Support Cost	0.166	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	3.097	-	-	-	-							
Total Project Cost	3.329	-	-	-	-							
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports removal, transportation, and storage of a M107 and 5"/54 metal parts production line to Hawthorne Army Depot (HWAD) for potential relocation, modernization, and installation at Rock Island Arsenal (RIA). Effort will transfer existing M107 and 5"54 production equipment from Scranton Army Ammunition Plant to storage at HWAD. This includes all disconnection, rigging, transportation, and procurement of any additional required items.

Funding adjusted in accordance with refined scope.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Electrical System Upgrade Phase 1 **Project Number:** 5242985 **Project Category:**

**End Item Supported Model:** **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Scranton Army Ammunition Plant Facility Location: Scranton, Pennsylvania Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	2.800	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2024</span> Construction Complete: <span style="float: right;">Oct 2025</span> Equipment Installation Complete: <span style="float: right;">Apr 2026</span> Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	4.200	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	7.000	-	-	-							
<b>Related Projects</b>						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports procurement and installation of electrical systems at Scranton Army Ammunition Plant (AAP). The electrical distribution system at Scranton AAP was installed in the early 1950's and many components are now obsolete including the main distribution breakers. This project will rebuild or replace obsolete breakers, substations and cables as needed in order to increase Scranton AAP's ability to meet future production demands and mitigate risks associated with degraded electrical infrastructure.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 0572EP1000 / Industrial Facilities
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<b>Project Title:</b> Planning & Design in Support of Provision of Industrial Facilities	<b>Project Number:</b> 5XX0000	<b>Project Category:</b>
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<b>End Item Supported Model:</b> Multiple	<b>Annual Capacity Before / After (1-8-5):</b> /
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Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Various Army Ammunition Plants <b>Facility Location:</b> Various Army Ammunition Plants <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO																				
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span>  Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Dec 2021 / Mar 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:	<b>Related Projects</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY &amp; Appn</th> <th style="width: 10%;">Value <i>(\$ M)</i></th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date								Compl Date													
B. Equipment Cost	-	-	-	-	-																					
C. Equipment Installation Cost	-	-	-	-	-																					
D. Contractor Support Cost	-	-	-	-	-																					
E. Corps of Engineers Support Cost	-	-	-	-	-																					
F. Other In-House Support Cost	-	-	-	-	-																					
G. Total Facility Project Cost	-	-	-	-	-																					
H. Other Costs	88.264	48.003	101.641	-	101.641																					
<b>Total Project Cost</b>	88.264	48.003	101.641	-	101.641																					

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$101.641 million supports various engineering studies, digital engineering, analysis, preliminary and final designs in support of the Army Ammunition Plants at Holston, Iowa, Lake City, Radford, Scranton, Quad City Cartridge Case Facility, and Milan. In addition, funding supports Corps of Engineers supervisory and administration costs as well as contingency requirements related to modernization efforts.



**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Quality of Work Environment Upgrades **Project Number:** 5XX5405 **Project Category:**

**End Item Supported Model:** Multiple **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Various Army Ammunition Plants <b>Facility Location:</b> Various Army Ammunition Plants <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	7.219	4.000	3.500	-	3.500	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Apr 2022 / Apr 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
<b>Total Project Cost</b>	<b>7.219</b>	<b>4.000</b>	<b>3.500</b>	<b>-</b>	<b>3.500</b>							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$3.500 million supports quality of work environment upgrades to munition production lines at various Army Ammunition Plants (AAPs). The AAPs, to include Holston, Lake City, Radford, Iowa, and Scranton, were constructed in the 1940s. While various modernization initiatives have upgrade antiquated production lines, the Plants continue to lack modernized support facilities. This effort will fund quality of work environment upgrades for production operations personnel.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Major Maintenance at GOCO AAPs **Project Number:** 5XX5406 **Project Category:**

**End Item Supported Model:** Multiple **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Various Army Ammunition Plants Facility Location: Various Army Ammunition Plants Facility Type (GOGO, GOCO, COCO): GOCO														
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2022 / Mar 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	6.281	4.000	5.500	-	5.500															
<b>Total Project Cost</b>	<b>6.281</b>	<b>4.000</b>	<b>5.500</b>	<b>-</b>	<b>5.500</b>	<b>Related Projects</b>														
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY &amp; Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$5.500 million support major maintenance upgrades at various Army Ammunition Plants (AAPs), to include Holston, Lake City, Radford, Iowa, and Scranton. The major maintenance upgrades include, but are not limited to, repair of storage tanks to remediate environmental hazardous, replacement of deteriorated roofs to ensure production equipment is not damaged, repair of infrastructure to maintain safe egress of ammunition and munitions components. Additionally, project will replace outdated equipment and support replacement and upgrade of existing industrial operations information technology and operational technology systems at various AAPs.

**UNCLASSIFIED**

**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Replace Test Instrumentation in Production Acceptance Testing (Ammunition) **Project Number:** 5XX5060 **Project Category:**

**End Item Supported Model:** Initial Production Acceptance & Product Improvements for Ammunition **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Yuma Proving Ground / Aberdeen Test Center <b>Facility Location:</b> Yuma, Arizona / Aberdeen, Maryland <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Mar 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	19.157	0.787	0.794	-	0.794							
<b>Total Project Cost</b>	19.157	0.787	0.794	-	0.794	<b>Related Projects</b>						
						<b>Project Number</b>	<b>Title</b>	<b>FY &amp; Appn</b>	<b>Value (\$ M)</b>	<b>Facing</b>	<b>Start Date</b>	<b>Compl Date</b>

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$0.794 million continues to support test mission activities at Aberdeen Test Center (ATC) and Yuma Test Center (YTC).

Supports the procurement of ammunition/weapons components including gun mounts, gun tubes, breech assemblies, and other main weapon system components. These components are required to support proof and acceptance testing at ATC and Yuma Test Center YTC. Without these components, the Army will be unable to conduct the testing required to accept ammunition end items into its inventory and to mitigate operational risk due to ammunition shortfalls across the Army.

At ATC, continues replacement and procurement for Weapon and Weapon Components which have experienced wear and tear during repetitive testing of production ammunition items. Typical purchases include: rifle/carbine/machine gun barrels, receivers, and parts; large caliber barrels; small and medium caliber Mann-type test barrels, mortar barrels and bipod/baseplates. Timely replacement of worn or unserviceable weapons/components will permit test execution without delays for acquisition of supporting equipment.

At YTC, procures Ammo Components to continue support Production Acceptance Test (PAT) of artillery and mortar ammunition components at YTC throughout the year. Also procures replacement parts for large and small caliber direct fire weapon systems for production based support, which will improve weapon reliability and reduce potential testing downtime if sudden repairs are needed. This project increases test efficiencies and decreases costs and risks to Army Program Managers.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** 155mm LAP Production Expansion **Project Number:** 5235324 **Project Category:**

**End Item Supported Model:** 155mm **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Various Army Ammunition Plants <b>Facility Location:</b> Various Army Ammunition Plants <b>Facility Type (GOGO, GOCO, COCO):</b> COCO																				
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span>  Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Sep 2023</span> Construction Complete: Equipment Installation Complete: <span style="float: right;">Mar 2025</span> Prove Out Begins: Prove Out Complete:	<b>Related Projects</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY &amp; Appn</th> <th style="width: 10%;">Value <i>(\$ M)</i></th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date								Compl Date													
B. Equipment Cost	18.900	-	-	-	-																					
C. Equipment Installation Cost	8.143	-	-	-	-																					
D. Contractor Support Cost	0.900	-	-	-	-																					
E. Corps of Engineers Support Cost	-	-	-	-	-																					
F. Other In-House Support Cost	-	-	-	-	-																					
G. Total Facility Project Cost	-	-	-	-	-																					
H. Other Costs	1.996	-	-	-	-																					
Total Project Cost	29.939	-	-	-	-																					

**Narrative Explanation:**  
 There is no FY 2025 Base request. Procurement dollars supports establishing a new production line to increase capacity of a Load, Assemble, and Pack (LAP) production facility for 155mm High Explosive TNT M795 artillery rounds.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Maintenance of Inactive Facilities **Project Number:** 5XX4073 **Project Category:**

**End Item Supported Model:** **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Maintenance of Inactive Facilities Facility Location: Various AAPs Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Dec 2021 / Apr 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	2.390	6.930	7.068	-	7.068							
Total Project Cost	2.390	6.930	7.068	-	7.068							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount \$7.068 million supports the care and maintenance of laid-away equipment and facilities at active and inactive Army ammunition installations.

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**Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army** **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A / 02 / 10 **P-1 Line Item Number / Title:** 0572EP1000 / Industrial Facilities

**Project Title:** Layaway Of Industrial Facilities **Project Number:** 5XX8000 **Project Category:**

**End Item Supported Model:** **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	<b>Facility Name:</b> Layaway Of Industrial Facilities <b>Facility Location:</b> Various AAPs <b>Facility Type (GOGO, GOCO, COCO):</b> GOCO						
A. Construction Cost	-	-	-	-	-	<b>Principal Milestones</b> <span style="float: right;"><b>Month &amp; Year</b></span> Concept Design Complete: Final Design Complete: Initial/Final Project Award: <span style="float: right;">Nov 2020 / May 2025</span> Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	1.252	12.355	12.607	-	12.607							
<b>Total Project Cost</b>	<b>1.252</b>	<b>12.355</b>	<b>12.607</b>	<b>-</b>	<b>12.607</b>							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

**Narrative Explanation:**  
 FY 2025 Base procurement dollars in the amount of \$12.607 million supports the protection and preservation of industrial facilities at active and inactive Army ammunition installations to include, but not limited to, Government-Owned Contractor-Operated (GOCO) facilities such as Holston, Iowa, Lake City, Milan, Radford, and Scranton Army Ammunition Plants (AAP), Pine Bluff Arsenal, and Quad City Cartridge Case Facility. Funds support layaway of facilities and equipment that are no longer required for current production but must be retained for future peacetime or emergency production needs. Funds also supports the decontamination and demolition of excess production equipment and facilities buildings to include, but not limited to, the legacy nitrocellulose facility at Radford AAP.

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support	<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,872.227	63.370	183.752	135.649	-	135.649	166.307	175.027	181.639	183.454	-	4,961.425
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,872.227	63.370	183.752	135.649	-	135.649	166.307	175.027	181.639	183.454	-	4,961.425
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,872.227</b>	<b>63.370</b>	<b>183.752</b>	<b>135.649</b>	<b>-</b>	<b>135.649</b>	<b>166.307</b>	<b>175.027</b>	<b>181.639</b>	<b>183.454</b>	<b>-</b>	<b>4,961.425</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Conventional Munitions Demilitarization Program provides for the demilitarization (demil) and disposal of conventional ammunition and missiles that are unserviceable, obsolete, or excess to need for all Military Services per Department of Defense (DoD) Directive 5160.65 and DoD Instruction 5160.68. The program accomplishes demil using open burning/open detonation (OB/OD) processes or closed disposal technologies (CDT) with primary emphasis on resource recovery and recycling (R3). This program also provides technical support and services; packaging, crating, handling, and transportation (PCHT) of ammunition for demil projects at United States Army depots, plants and activities; commercial contracts that provide closed disposal technologies demil support and services and associated packaging, crating, handling, and transportation; and international operations, which include the European and Pacific Theaters.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support **P-1 Line Item Number / Title:** 4099EP1700 / Conventional Munitions Demilitarization

**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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	EP1800 / Conventional Ammunition Demilitarization (SMCA)				- / 3,143.779	- / 42.988	- / 154.790	- / 106.103	- / -	- / 106.103
P-5	EP1801 / Other Non-Army Service Demil Items (non-SMCA)				- / 112.617	- / 9.665	- / 8.949	- / 9.264	- / -	- / 9.264
P-5	EP1802 / Army Missile Demilitarization				- / 558.537	- / 8.953	- / 10.903	- / 11.047	- / -	- / 11.047
P-5	EP1803 / Non-Army Missile Demilitarization				- / 57.294	- / 1.764	- / 9.110	- / 9.235	- / -	- / 9.235
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 3,872.227</b>	<b>- / 63.370</b>	<b>- / 183.752</b>	<b>- / 135.649</b>	<b>- / -</b>	<b>- / 135.649</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**  
 FY 2025 funding will support the United States demilitarization and disposition of 16,756 tons of conventional ammunition as well as 1,861 tons of missile/components. This work is to be accomplished in both Continental United States (CONUS) and Outside the Continental United States (OCONUS). CONUS demil operations are performed by a combination of Government Owned, Government Operated (GOGO) facilities, Government Owned, Contractor Operated (GOCO) facilities as well as commercial contractors. Demil operations will focus on reducing the munitions with most tonnage, such as, Depleted Uranium (DU) munitions, 155mm High Explosive Anti-Personnel projectiles (ICM M449E1/E2), Anti-Personnel Landmines, Cluster Bomb munitions (CBU), Small Arm munitions, Various Missiles, Rocket Motors and Multiple Launch Rocket Motors. OCONUS demil operations are performed at Demilitarization Facilities in Japan as well as commercial contractors in the European Union. Cost increases in the various categories of the P-5 Cost Analysis Forms reflect decreases in quantities and tonnage of munitions being destroyed within those cost categories, and transportation to relocate munitions to sites with the capability to properly demilitarize and dispose.

As of 31 December 2023, the Single Manager for Conventional Ammunition (SMCA) Resource, Recovery and Disposition Account (B5A) contained 321,542 tons of ammunition in storage consisting of 281,376 tons of conventional ammunition and 40,166 tons of Missile Components. Reduction of the B5A account provides mission readiness to access munition, storage management efficiency of serviceable items, and available storage for newly produced munitions. Safety and environmental risks associated with emergency demil will increase with aging stockpile resulting in increased risk due to degrading munitions and increased costs to maintain required safety in storage inspections.



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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization	<b>Item Number / Title [DODIC]:</b> EP1800 / Conventional Ammunition Demilitarization (SMCA)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				3,143.779	42.988	154.790	106.103	-	106.103
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				3,143.779	42.988	154.790	106.103	-	106.103
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>3,143.779</b>	<b>42.988</b>	<b>154.790</b>	<b>106.103</b>	-	<b>106.103</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Demilitarization Cost																		
WHITE PHOSPHORUS	-	-	99.869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEMOLITION MATERIAL	-	-	6.214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HE DETONATORS/ BOOSTERS	-	-	5.334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HE BOMBS	-	-	47.693	-	-	-	-	-	1.579	-	-	-	-	-	-	-	-	-
HE CARTRIDGES	-	-	182.617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRENADES	-	-	5.140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HE DEPTH CHARGES	-	-	17.572	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLUSTER BOMBS/ ICM; ANTI-TANK & PERSONNEL	-	-	367.439	-	-	1.081	-	-	36.094	-	-	38.720	-	-	-	-	-	38.720
HE LAND MINES	-	-	90.317	-	-	-	-	-	5.774	-	-	-	-	-	-	-	-	-
INERT	-	-	40.246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE FAMILY	-	-	525.067	-	-	2.841	-	-	3.207	-	-	2.295	-	-	-	-	-	2.295
BULK HIGH EXPLOSIVES	-	-	127.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROPELLANT CHARGES/INCREMENT CHARGES	-	-	157.321	-	-	1.482	-	-	-	-	-	-	-	-	-	-	-	-
TARGET PRACTICES/ 40MM ANTI-AIRCRAFT	-	-	52.158	-	-	-	-	-	2.400	-	-	-	-	-	-	-	-	-
SMALL ARMS AMMO THRU 20MM	-	-	38.105	-	-	1.887	-	-	8.812	-	-	5.042	-	-	-	-	-	5.042

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization						<b>Item Number / Title [DODIC]:</b> EP1800 / Conventional Ammunition Demilitarization (SMCA)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
INCINERABLE MUNITIONS/ MISCELLANEOUS	-	-	79.812	-	-	0.993	-	-	1.685	-	-	-	-	-	-	-	-	-
FUZES	-	-	55.862	-	-	-	-	-	0.813	-	-	-	-	-	-	-	-	-
TRANSPORTATION	-	-	218.034	-	-	5.655	-	-	16.572	-	-	11.910	-	-	-	-	-	11.910
MUNITIONS CHARACTERIZATION	-	-	89.040	-	-	1.439	-	-	4.300	-	-	2.500	-	-	-	-	-	2.500
OCONUS DEMIL - EUCOM	-	-	48.235	-	-	0.486	-	-	0.450	-	-	0.400	-	-	-	-	-	0.400
OCONUS DEMIL - PACOM	-	-	11.665	-	-	0.018	-	-	0.350	-	-	0.350	-	-	-	-	-	0.350
CONTRACT - CONUS DEMIL	-	-	800.037	-	-	21.413	-	-	30.959	-	-	31.474	-	-	-	-	-	31.474
DU Cartridges	-	-	22.755	-	-	1.561	-	-	13.115	-	-	11.412	-	-	-	-	-	11.412
ROCKET MOTORS	-	-	-	-	-	-	-	-	2.352	-	-	-	-	-	-	-	-	-
Contract Donor Material	-	-	-	-	-	-	-	-	22.000	-	-	-	-	-	-	-	-	-
Smoke Illum	-	-	-	-	-	-	-	-	2.128	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Demilitarization Cost</i>	-	-	<b>3,087.712</b>	-	-	<b>38.856</b>	-	-	<b>152.590</b>	-	-	<b>104.103</b>	-	-	-	-	-	<b>104.103</b>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	56.067	-	-	4.132	-	-	2.200	-	-	2.000	-	-	-	-	-	2.000
<i>Subtotal: Support - Program Management Cost</i>	-	-	<b>56.067</b>	-	-	<b>4.132</b>	-	-	<b>2.200</b>	-	-	<b>2.000</b>	-	-	-	-	-	<b>2.000</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>3,143.779</b>	-	-	<b>42.988</b>	-	-	<b>154.790</b>	-	-	<b>106.103</b>	-	-	-	-	-	<b>106.103</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization	<b>Item Number / Title [DODIC]:</b> EP1801 / Other Non-Army Service Demil Items (non-SMCA)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			112.617	9.665	8.949	9.264	-	9.264
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			112.617	9.665	8.949	9.264	-	9.264
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			<b>112.617</b>	<b>9.665</b>	<b>8.949</b>	<b>9.264</b>	<b>-</b>	<b>9.264</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Demilitarization Cost																		
TORPEDOES	-	-	44.885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SONOBUOYS	-	-	2.404	-	-	-	-	-	1.516	-	-	-	-	-	-	-	-	-
CONTRACT - CONUS DEMIL	-	-	31.368	-	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORTATION	-	-	4.190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE FAMILY	-	-	1.470	-	-	0.033	-	-	-	-	-	-	-	-	-	-	-	-
HE BOMBS	-	-	-	-	-	1.097	-	-	-	-	-	-	-	-	-	-	-	-
CLUSTER BOMBS/ ICM; ANTI-TANK & PERSONNEL	-	-	9.382	-	-	8.531	-	-	5.890	-	-	9.264	-	-	-	-	-	9.264
DU Cartridges	-	-	18.918	-	-	-	-	-	1.543	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Demilitarization Cost</i>	-	-	<b>112.617</b>	-	-	<b>9.665</b>	-	-	<b>8.949</b>	-	-	<b>9.264</b>	-	-	-	-	-	<b>9.264</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>112.617</b>	-	-	<b>9.665</b>	-	-	<b>8.949</b>	-	-	<b>9.264</b>	-	-	-	-	-	<b>9.264</b>

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<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>						<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10			<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization			<b>Item Number / Title [DODIC]:</b> EP1802 / Army Missile Demilitarization		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			558.537	8.953	10.903	11.047	-	11.047
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			558.537	8.953	10.903	11.047	-	11.047
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>558.537</b>	<b>8.953</b>	<b>10.903</b>	<b>11.047</b>	<b>-</b>	<b>11.047</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
<b>Support - Demilitarization Cost</b>																		
MULTIPLE LAUNCH ROCKET SYSTEM	-	-	248.807	-	-	3.511	-	-	0.122	-	-	2.376	-	-	-	-	-	2.376
ROCKET MOTORS	-	-	10.725	-	-	0.120	-	-	-	-	-	1.639	-	-	-	-	-	1.639
TOW CD/R3	-	-	42.037	-	-	-	-	-	0.013	-	-	0.014	-	-	-	-	-	0.014
HELLFIRE	-	-	0.652	-	-	-	-	-	0.024	-	-	0.008	-	-	-	-	-	0.008
STINGER	-	-	2.596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATRIOT	-	-	3.946	-	-	0.554	-	-	0.619	-	-	0.620	-	-	-	-	-	0.620
HONEST JOHN	-	-	1.941	-	-	0.080	-	-	0.120	-	-	0.120	-	-	-	-	-	0.120
MISSILE COMPONENTS	-	-	72.681	-	-	0.462	-	-	-	-	-	0.825	-	-	-	-	-	0.825
HAWK MOTORS	-	-	4.568	-	-	0.426	-	-	0.311	-	-	0.311	-	-	-	-	-	0.311
DEMIL PROCESS IMPROVEMENTS	-	-	97.315	-	-	-	-	-	1.312	-	-	-	-	-	-	-	-	-
TRANSPORTATION	-	-	27.198	-	-	0.961	-	-	0.975	-	-	1.005	-	-	-	-	-	1.005
MULTIPLE FAMILY	-	-	3.396	-	-	0.997	-	-	0.158	-	-	-	-	-	-	-	-	-
CONTRACT - CONUS DEMIL	-	-	1.822	-	-	0.419	-	-	4.006	-	-	0.800	-	-	-	-	-	0.800
<i>Subtotal: Support - Demilitarization Cost</i>	<i>-</i>	<i>-</i>	<i>517.684</i>	<i>-</i>	<i>-</i>	<i>7.530</i>	<i>-</i>	<i>-</i>	<i>7.660</i>	<i>-</i>	<i>-</i>	<i>7.718</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>7.718</i>
<b>Support - Program Management Cost</b>																		
Government Management	-	-	40.853	-	-	1.423	-	-	3.243	-	-	3.329	-	-	-	-	-	3.329
<i>Subtotal: Support - Program Management Cost</i>	<i>-</i>	<i>-</i>	<i>40.853</i>	<i>-</i>	<i>-</i>	<i>1.423</i>	<i>-</i>	<i>-</i>	<i>3.243</i>	<i>-</i>	<i>-</i>	<i>3.329</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>3.329</i>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>												<b>Date:</b> March 2024					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10						<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization						<b>Item Number / Title [DODIC]:</b> EP1802 / Army Missile Demilitarization					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Gross/Weapon System Cost	-	-	558.537	-	-	8.953	-	-	10.903	-	-	11.047	-	-	-	-	-	11.047

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 02 / 10	<b>P-1 Line Item Number / Title:</b> 4099EP1700 / Conventional Munitions Demilitarization	<b>Item Number / Title [DODIC]:</b> EP1803 / Non-Army Missile Demilitarization

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				57.294	1.764	9.110	9.235	-	9.235
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				57.294	1.764	9.110	9.235	-	9.235
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				<b>57.294</b>	<b>1.764</b>	<b>9.110</b>	<b>9.235</b>	<b>-</b>	<b>9.235</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)				-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	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)
Support - Demilitarization Cost																		
HE MISSILES	-	-	40.006	-	-	-	-	-	3.248	-	-	3.009	-	-	-	-	-	3.009
ROCKET MOTORS	-	-	7.248	-	-	0.009	-	-	1.497	-	-	2.840	-	-	-	-	-	2.840
MISSILE COMPONENTS	-	-	3.950	-	-	0.407	-	-	0.060	-	-	0.825	-	-	-	-	-	0.825
Demilitarization	-	-	0.163	-	-	0.858	-	-	0.250	-	-	0.796	-	-	-	-	-	0.796
Maverick Missile	-	-	3.705	-	-	0.490	-	-	-	-	-	0.250	-	-	-	-	-	0.250
Tomahawk	-	-	2.222	-	-	-	-	-	1.515	-	-	1.515	-	-	-	-	-	1.515
TRANSPORTATION	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-
MULTIPLE LAUNCH ROCKET SYSTEM	-	-	-	-	-	-	-	-	2.510	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Demilitarization Cost</i>	-	-	<b>57.294</b>	-	-	<b>1.764</b>	-	-	<b>9.110</b>	-	-	<b>9.235</b>	-	-	-	-	-	<b>9.235</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>57.294</b>	-	-	<b>1.764</b>	-	-	<b>9.110</b>	-	-	<b>9.235</b>	-	-	-	-	-	<b>9.235</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2025 Army **Date:** March 2024

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 02: Ammunition Production Base Support / BSA 10: Production Base Support **P-1 Line Item Number / Title:** 4150EP2500 / ARMS Initiative

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	377.023	4.039	4.057	4.140	-	4.140	4.189	4.234	4.351	4.393	-	406.426
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	377.023	4.039	4.057	4.140	-	4.140	4.189	4.234	4.351	4.393	-	406.426
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>377.023</b>	<b>4.039</b>	<b>4.057</b>	<b>4.140</b>	<b>-</b>	<b>4.140</b>	<b>4.189</b>	<b>4.234</b>	<b>4.351</b>	<b>4.393</b>	<b>-</b>	<b>406.426</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Armament Retooling and Manufacturing Support (ARMS) program reuses idle capacity at active and inactive Government-Owned, Contractor-Operated (GOCO) Army Ammunition Plants and the GOCO Hawthorne Army Depot through commercialization. Congress enacted this program in the FY 1993 Defense Authorization Act (Public Law (PL) 102-484) and codified in FY 2000 (10 U.S.C. 7551-7555). ARMS resources are used for facility strategic reuse plans, marketing plans, building renovation and recapitalization, equipment purchase, relocation, or consolidation, as well as environmental baseline studies and site surveys to encourage commercial use of underutilized Army assets. The ARMS objectives include sustaining critical manufacturing capabilities and critical skills; reducing facility operating and maintenance costs; decreasing product cost; providing opportunities for small business; and accelerating private sector economic development, employment and investment. The ARMS program allows the Army to manage portions of the ammunition infrastructure as a commercial business. This management concept has allowed the Army to apply overhead costs across multiple commercial contracts to reduce operating costs.

**Justification:**

FY 2025 Base procurement dollars in the amount of \$4.140 million supports financial and marketing investments to attract revenue-producing tenants to locate on Government-Owned Contractor-Operated (GOCO) Army Ammunition Plants and the GOCO Hawthorne Army Depot. The ARMS program reduces Army cost of ownership and maintains critical munitions industrial base skills. Revenues collected will be utilized to reduce overhead and total annual operating costs, improve and maintain existing buildings for current tenants, and perform improvements to other vacant buildings to entice potential tenants.