

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2026 Budget Estimates**

June 2025



Army

Justification Book Volume 2a of 2

Research, Development, Test & Evaluation, Army

RDT&E – Volume II, Budget Activity 4A

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2026 • RDT&E Program

Volume 2a Table of Contents

Introduction and Explanation of Contents.....Volume 2a - ii

Comptroller Exhibit R-1..... Volume 2a - v

Program Element Table of Contents (by Budget Activity then Line Item Number).....Volume 2a - xxiii

Program Element Table of Contents (Alphabetically by Program Element Title).....Volume 2a - xxv

PB 2026 Discretionary Statement..... Volume 2a - xxvi

Exhibit R-2s..... Volume 2a - 1

UNCLASSIFIED

**RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY
APPROPRIATION LANGUAGE**

For expenses necessary for basic and applied scientific research, development, test and evaluation, including maintenance, rehabilitation, lease, and operation of facilities and equipment, \$15,395,757,000.00 to remain available for obligation until September 30, 2027.

The FY 2026 Overseas Operations accounted for in the base budget are as follows:

In-theater and in-CONUS expenses that remain after combat operations cease and have been previously funded in Overseas Operations \$3,201,000.00.

COST STATEMENT

The following Justification Books were prepared at a cost of \$301,924.00: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 1 - Tactical & Support Vehicles, Other Procurement Army (OPA) 2 - Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Other Procurement Army (OPA) 6 - Agile Portfolio Management, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 1, Budget Activity 2, Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 6, Budget Activity 7, Budget Activity 8, and Budget Activity 9.

UNCLASSIFIED

FY 2026 RDT&E, ARMY PROGRAM ELEMENT DESCRIPTIVE SUMMARIES

Introduction and Explanation of Contents

1. **General.** The purpose of this document is to provide summary information concerning the Research, Development, Test and Evaluation, Army program. The descriptive summaries are comprised of R-2 (Army RDT&E Budget Item Justification – program element level), R-2A (Army RDT&E Budget Item Justification – project level), R-3 (Army RDT&E Cost Analysis), R-4 (Schedule Profile Detail) and R-5 (Termination Liability Funding for MDAPs) Exhibits, which provide narrative information on all RDT&E program elements and projects through FY 2026.
2. **Relationship of the FY 2026 Budget Submitted to Congress to the FY 2025 Budget Submitted to Congress.** This paragraph provides a list of program elements/projects that are major new starts and terminated programs. Explanations for these changes can be found in the narrative sections of the Program Element R-2A Exhibits.

New Start Programs:

<u>Budget Activity</u>	<u>OSDPE / Project</u>	<u>Project Title</u>
02	0602141A / DN6	Science of Massed Responsive Fires
02	0602147A / DM6	Cannon Fires Automation Research
02	0602150A / HP1	High Power Microwave Technology
02	0602180A / DM7	Counter AI App Rsch
02	0602180A / DM8	AI Enabled Contested Logistics Spt Tools App Tech
02	0602182A / DM9	Distributed Multi-Agent Reasoning and Data Fusion
02	0602184A / DN1	Directed Energy Biological Effects
02	0602184A / DN2	Joint Service Small Arms Enabling Tech
02	0602184A / DO1	Modernized Composites & Manufacturing
03	0603040A / DN3	AI Enabled Contested Logistics Spt Tools Adv Tech
03	0603044A / DN4	Joint Service Small Arms Adv Tech
03	0603044A / DO2	Modernized Composites & Manufacturing Adv Dev
03	0603464A / DM5	Affordable High Speed Strike
04	0603639A / DK7	155mm Artillery Propulsion Mod - Adv Component Dev
04	0603639A / DN7	Mobile Long Range Precision Strike Pgm (M-LRPSM)
05	0604270A / DN9	Modular Electro-Magnetic Spectrum Sys (MEMSS)
05	0604804A / H01	Combat Engineer Eq Ed

05	0604818A / DL8	Predictive Logistics
05	0604854A / DH7	Next Generation Howitzer
05	0605037A / DM1	Detainee Management, Accountability, and Reporting
09	0609277A / A83	Electronic Warfare Technology Maturation
09	0609277A / A85	EW-SIGINT Technology-Innovation Pipeline
09	0609278A / A92	Counter Surveillance Reconnaissance (CSR)

Program Terminations (including transfers to Procurement and Sustainment):

<u>Budget Activity</u>	<u>OSDPE / Project</u>	<u>Project Title</u>
02	0602141A / AH8	Lethality Materials and Processes Technology
02	0602181A / CM7	Collaborative Convergence Applied Research
02	0602182A / CX5	Sensing in Contested Environments Technologies
02	0602182A / DE6	Understanding Environment as a Threat Tech
02	0602183A / CL5	Air Platform Enabling University Applied Research
03	0603042A / CX9	Sensing in Contested Environments Adv Technologies
04	0604020A / DC8	Army Experimentation and Prototyping
05	0604641A / CF5	Robotic Combat Vehicle (BA5) NGCV-CFT
07	0205412A / EE6	Environmental Information Tech Modernization

3. **Classification:** This document contains no classified data. Appropriately cleared individuals can obtain further information on Classified/Special Access Programs by contacting the Department of the Army.

UNCLASSIFIED

Department of Defense
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

<u>Appropriation</u>	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
Research, Development, Test and Evaluation, Army	17,119,530	14,322,031	41,400	14,363,431	14,549,223	846,534	15,395,757
Total Research, Development, Test, & Evaluation	17,119,530	14,322,031	41,400	14,363,431	14,549,223	846,534	15,395,757

UNCLASSIFIED

Department of Defense
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
<u>Summary Recap of Budget Activities</u>							
Basic Research	528,659	505,156		505,156	486,544		486,544
Applied Research	1,690,089	1,162,089		1,162,089	860,545		860,545
Advanced Technology Development	2,333,689	1,696,216		1,696,216	1,240,191		1,240,191
Advanced Component Development & Prototypes	4,227,715	2,170,345		2,170,345	2,420,915	417,120	2,838,035
System Development & Demonstration	4,890,110	5,758,500		5,758,500	5,378,817	304,614	5,683,431
Management Support	2,109,102	1,741,185	41,400	1,782,585	1,956,082	103,000	2,059,082
Operational Systems Development	1,236,118	1,213,992		1,213,992	1,426,619	21,800	1,448,419
Software And Digital Technology Pilot Programs	104,048	74,548		74,548	89,238		89,238
Agile RDT&E Portfolio Management					690,272		690,272
Total Research, Development, Test, & Evaluation	17,119,530	14,322,031	41,400	14,363,431	14,549,223	846,534	15,395,757
<u>Summary Recap of FYDP Programs</u>							
General Purpose Forces	370,362	452,813		452,813	896,230		896,230
Intelligence and Communications	244,739	144,756		144,756	70,382		70,382
Research and Development	16,356,977	13,053,148	41,400	13,094,548	13,040,127	846,534	13,886,661
Central Supply and Maintenance	118,797	87,187		87,187	67,002		67,002
Administration and Associated Activities	669						
Classified Programs	27,986	584,127		584,127	475,482		475,482
Total Research, Development, Test, & Evaluation	17,119,530	14,322,031	41,400	14,363,431	14,549,223	846,534	15,395,757

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
1	0601102A	Defense Research Sciences	01	U	322,341	297,680		297,680	237,678		237,678
2	0601103A	University Research Initiatives	01	U	72,781	78,166		78,166	78,947		78,947
3	0601104A	University and Industry Research Centers	01	U	117,872	113,476		113,476	69,391		69,391
4	0601121A	Cyber Collaborative Research Alliance	01	U	5,459	5,525		5,525	5,463		5,463
5	0601275A	Electronic Warfare Basic Research	01	U					88,053		88,053
6	0601601A	Artificial Intelligence and Machine Learning Basic Research	01	U	10,206	10,309		10,309	7,012		7,012
Basic Research					528,659	505,156		505,156	486,544		486,544
7	0602002A	Army Agile Innovation and Development-Applied Research	02	U	964	1,000		1,000	9,455		9,455
8	0602134A	Counter Improvised-Threat Advanced Studies	02	U	6,014	6,163		6,163	6,174		6,174
9	0602135A	Counter Small Unmanned Aerial Systems (C-SUAS) Applied Research	02	U					12,618		12,618
10	0602141A	Lethality Technology	02	U	145,375	128,659		128,659	97,157		97,157
11	0602142A	Army Applied Research	02	U	38,072						
12	0602143A	Soldier Lethality Technology	02	U	209,084	137,771		137,771	72,670		72,670
13	0602144A	Ground Technology	02	U	266,663	155,829		155,829	56,342		56,342
14	0602145A	Next Generation Combat Vehicle Technology	02	U	248,335	167,233		167,233	71,547		71,547
15	0602146A	Network C3I Technology	02	U	135,543	110,417		110,417	56,529		56,529
16	0602147A	Long Range Precision Fires Technology	02	U	96,154	67,589		67,589	25,744		25,744
17	0602148A	Future Verticle Lift Technology	02	U	104,850	52,350		52,350	20,420		20,420
18	0602150A	Air and Missile Defense Technology	02	U	102,784	49,188		49,188	25,992		25,992
19	0602180A	Artificial Intelligence and Machine Learning Technologies	02	U	23,702	20,319		20,319	13,745		13,745

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
20	0602181A	All Domain Convergence Applied Research	02	U	13,775	12,269		12,269			
21	0602182A	C3I Applied Research	02	U	31,635	25,839		25,839	22,317		22,317
22	0602183A	Air Platform Applied Research	02	U	53,611	48,854		43,854	53,305		53,305
23	0602184A	Soldier Applied Research	02	U	17,622	14,131		14,131	27,597		27,597
24	0602213A	C3I Applied Cyber	02	U	20,664	28,656		23,656	4,716		4,716
25	0602275A	Electronic Warfare Applied Research	02	U					45,415		45,415
26	0602276A	Electronic Warfare Cyber Applied Research	02	U					17,102		17,102
27	0602345A	Unmanned Aerial Systems Launched Effects Applied Research	02	U					18,408		18,408
28	0602386A	Biotechnology for Materials - Applied Research	02	U	16,060	11,780		11,780	8,209		8,209
30	0602785A	Manpower/Personnel/Training Technology	02	U	19,667	19,795		19,795	17,191		17,191
31	0602787A	Medical Technology	02	U	139,515	68,481		68,481	143,293		143,293
999	999999999	Classified Programs	02	U		35,766		35,766	34,599		34,599
		Applied Research			1,690,089	1,162,089		1,162,089	860,545		860,545
32	0603002A	Medical Advanced Technology	03	U	18,730	8,112		8,112	1,860		1,860
33	0603007A	Manpower, Personnel and Training Advanced Technology	03	U	15,845	16,716		16,716	13,559		13,559
34	0603025A	Army Agile Innovation and Demonstration	03	U	25,513	14,608		14,608	19,679		19,679
35	0603040A	Artificial Intelligence and Machine Learning Advanced Technologies	03	U	23,909	30,263		30,263	20,487		20,487
36	0603041A	All Domain Convergence Advanced Technology	03	U	26,721	23,722		23,722	10,560		10,560
37	0603042A	C3I Advanced Technology	03	U	18,590	21,889		21,889	15,028		15,028

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
38	0603043A	Air Platform Advanced Technology	03	U	13,648	17,076		17,076	41,266		41,266
39	0603044A	Soldier Advanced Technology	03	U	1,170	14,094		14,094	18,143		18,143
40	0603116A	Lethality Advanced Technology	03	U	70,529	49,629		49,629	13,232		13,232
41	0603117A	Army Advanced Technology Development	03	U	140,980						
42	0603118A	Soldier Lethality Advanced Technology	03	U	125,951	98,032		98,032	95,186		95,186
43	0603119A	Ground Advanced Technology	03	U	276,299	87,775		87,775	30,507		30,507
44	0603134A	Counter Improvised-Threat Simulation	03	U	20,965	21,398		21,398	15,692		15,692
45	0603135A	Counter Small Unmanned Aerial Systems (C-SUAS) Advanced Technology	03	U					7,773		7,773
46	0603275A	Electronic Warfare Advanced Technology	03	U					83,922		83,922
47	0603276A	Electronic Warfare Cyber Advanced Technology	03	U					15,254		15,254
48	0603345A	Unmanned Aerial Systems Launched Effects Advanced Technology Development	03	U					13,898		13,898
49	0603386A	Biotechnology for Materials - Advanced Research	03	U	57,686	36,360		36,360	24,683		24,683
50	0603457A	C3I Cyber Advanced Development	03	U	28,275	39,616		39,616	3,329		3,329
51	0603461A	High Performance Computing Modernization Program	03	U	246,739	239,597		239,597	241,855		241,855
52	0603462A	Next Generation Combat Vehicle Advanced Technology	03	U	433,324	254,662		254,662	141,301		141,301
53	0603463A	Network C3I Advanced Technology	03	U	214,351	142,224		142,224	78,539		78,539
54	0603464A	Long Range Precision Fires Advanced Technology	03	U	233,806	164,943		164,943	162,236		162,236

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
55	0603465A	Future Vertical Lift Advanced Technology	03	U	219,137	175,369		175,369	66,686		66,686
56	0603466A	Air and Missile Defense Advanced Technology	03	U	98,784	61,333		61,333	23,330		23,330
58	0603920A	Humanitarian Demining	03	U	22,737	23,272		23,272	9,349		9,349
999	999999999	Classified Programs	03	U		155,526		155,526	72,837		72,837
	Advanced Technology Development				2,333,689	1,696,216		1,696,216	1,240,191		1,240,191
60	0603305A	Army Missile Defense Systems Integration	04	U	48,763	20,031		20,031	8,141		8,141
61	0603308A	Army Space Systems Integration	04	U	28,813	29,659		29,659	83,080		83,080
62	0603327A	Air and Missile Defense Systems Engineering	04	U	13,000	30,000		30,000			
63	0603619A	Landmine Warfare and Barrier - Adv Dev	04	U	60,202	60,617		60,617	41,516		41,516
64	0603639A	Tank and Medium Caliber Ammunition	04	U	90,139	102,027		102,027	85,472	100,000	185,472
65	0603645A	Armored System Modernization - Adv Dev	04	U	54,456	23,235		23,235	22,645		22,645
66	0603747A	Soldier Support and Survivability	04	U	3,420	4,059		4,059	4,033		4,033
67	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	U	72,259	87,765		87,765	107,525		107,525
68	0603774A	Night Vision Systems Advanced Development	04	U	41,941	20,714		20,714	5,153		5,153
69	0603779A	Environmental Quality Technology - Dem/Val	04	U	19,369	23,299		23,299	11,343		11,343
70	0603790A	NATO Research and Development	04	U	3,987	4,184		4,184	5,031		5,031
71	0603801A	Aviation - Adv Dev	04	U	1,452,331	4,943		4,943			
72	0603804A	Logistics and Engineer Equipment - Adv Dev	04	U	22,846	19,995		19,995	15,435		15,435
73	0603807A	Medical Systems - Adv Dev	04	U	7,999	582		582	1,000		1,000

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
74	0603827A	Soldier Systems - Advanced Development	04	U	41,551	24,284		24,284	41,856		41,856
75	0604017A	Robotics Development	04	U	2,912	13,039		13,039	35,082		35,082
76	0604019A	Expanded Mission Area Missile (EMAM)	04	U	109,752	83,516		83,516	178,137	99,000	277,137
77	0604020A	Cross Functional Team (CFT) Advanced Development & Prototyping	04	U	61,779	40,409		40,409			
78	0604035A	Low Earth Orbit (LEO) Satellite Capability	04	U	37,433	21,935		21,935	17,063		17,063
79	0604036A	Multi-Domain Sensing System (MDSS) Adv Dev	04	U	185,831	188,228		188,228	239,813		239,813
80	0604037A	Tactical Intel Targeting Access Node (TITAN) Adv Dev	04	U	10,626	4,317		4,317	3,092		3,092
81	0604100A	Analysis Of Alternatives	04	U	10,690	11,234		11,234	9,865		9,865
82	0604101A	Small Unmanned Aerial Vehicle (SUAV) (6.4)	04	U	4,956	1,800		1,800			
83	0604103A	Electronic Warfare Planning and Management Tool (EWPMT)	04	U	2,260	2,004		2,004			
84	0604113A	Future Tactical Unmanned Aircraft System (FTUAS)	04	U	67,143	127,870		127,870			
85	0604114A	Lower Tier Air Missile Defense (LTAMD) Sensor	04	U	511,014	127,428		127,428	196,448	14,000	210,448
86	0604115A	Technology Maturation Initiatives	04	U	244,710	252,000		252,000	267,619		267,619
87	0604117A	Maneuver - Short Range Air Defense (M-SHORAD)	04	U	290,256	274,542		274,542	238,247	60,120	298,367
88	0604119A	Army Advanced Component Development & Prototyping	04	U	204,914						
89	0604120A	Assured Positioning, Navigation and Timing (PNT)	04	U	39,223	24,168		24,168	8,686		8,686
90	0604121A	Synthetic Training Environment Refinement & Prototyping	04	U	115,519	115,140		115,140	240,899		240,899

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
91	0604134A	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04	U	15,826	17,341		17,341	5,491		5,491
92	0604135A	Strategic Mid-Range Fires	04	U	25,342				231,401		231,401
93	0604182A	Hypersonics	04	U	201,193				25,000		25,000
94	0604386A	Biotechnology for Materials - Dem/Val	04	U		10,651		10,651			
95	0604403A	Future Interceptor	04	U	3,899	8,058		8,058	8,019	144,000	152,019
97	0604531A	Counter - Small Unmanned Aircraft Systems Advanced Development	04	U	54,854	79,983		79,983	45,281		45,281
99	0604541A	Unified Network Transport	04	U	47,233	31,837		31,837	29,191		29,191
100	0305251A	Cyberspace Operations Forces and Force Support	04	U	74	2,270		2,270	5,605		5,605
999	999999999	Classified Programs	04	U	19,200	277,181		277,181	203,746		203,746
	Advanced Component Development & Prototypes				4,227,715	2,170,345		2,170,345	2,420,915	417,120	2,838,035
101	0604201A	Aircraft Avionics	05	U	21,173	7,171		7,171	2,696		2,696
102	0604270A	Electronic Warfare Development	05	U	12,310	33,247		33,247	9,153		9,153
103	0604601A	Infantry Support Weapons	05	U	80,777	57,686		57,686	56,553		56,553
104	0604604A	Medium Tactical Vehicles	05	U	17,561	3,565		3,565	18,503		18,503
105	0604611A	JAVELIN	05	U	7,541	10,405		10,405	9,810		9,810
106	0604622A	Family of Heavy Tactical Vehicles	05	U	40,175	34,690		34,690	47,064		47,064
107	0604633A	Air Traffic Control	05	U	11,093	982		982			
108	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	05	U	136,937	92,540		92,540			
109	0604642A	Light Tactical Wheeled Vehicles	05	U	3,394	3,000		3,000			
110	0604645A	Armored Systems Modernization (ASM) - Eng Dev	05	U	95,580	48,097		48,097	16,593		16,593
111	0604710A	Night Vision Systems - Eng Dev	05	U	145,135	139,309		139,309	351,274		351,274

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
112	0604713A	Combat Feeding, Clothing, and Equipment	05	U	2,170	3,286		3,286	5,654		5,654
113	0604715A	Non-System Training Devices - Eng Dev	05	U	20,585	28,427		28,427	19,063		19,063
114	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	U	86,990	73,653		73,653	13,892		13,892
115	0604742A	Constructive Simulation Systems Development	05	U	29,854	30,097		30,097	7,790		7,790
116	0604746A	Automatic Test Equipment Development	05	U	13,129	12,927		12,927	9,512		9,512
117	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev	05	U	8,481	8,914		8,914	7,724		7,724
118	0604798A	Brigade Analysis, Integration and Evaluation	05	U	21,750	26,352		26,352	24,318		24,318
119	0604802A	Weapons and Munitions - Eng Dev	05	U	270,231	251,949		251,949	150,344		150,344
120	0604804A	Logistics and Engineer Equipment - Eng Dev	05	U	58,554	46,829		46,829	50,194		50,194
121	0604805A	Command, Control, Communications Systems - Eng Dev	05	U	47,965	92,300		92,300	63,725		63,725
122	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	U	10,984	7,143		7,143	6,252		6,252
123	0604808A	Landmine Warfare/Barrier - Eng Dev	05	U	33,085	54,134		54,134	9,862		9,862
124	0604818A	Army Tactical Command & Control Hardware & Software	05	U	154,317	134,162		134,162	430,895	2,430	433,325
125	0604820A	Radar Development	05	U	78,363	41,584		41,584	53,226	18,000	71,226
126	0604822A	General Fund Enterprise Business System (GFEBS)	05	U	16,011	1,995		1,995			
127	0604827A	Soldier Systems - Warrior Dem/Val	05	U	18,892	29,132		29,132	4,137		4,137
128	0604852A	Suite of Survivability Enhancement Systems - EMD	05	U	70,384	77,864		77,864	76,903		76,903

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
129	0604854A	Artillery Systems - EMD	05	U	45,939	42,479		42,479	80,862		80,862
130	0605013A	Information Technology Development	05	U	96,090	102,704		102,704	125,701		125,701
131	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	U	86,914	121,354		121,354	164,600		164,600
132	0605030A	Joint Tactical Network Center (JTNC)	05	U	17,981	20,191		20,191	20,954		20,954
133	0605031A	Joint Tactical Network (JTN)	05	U	29,221	31,214		31,214	41,696		41,696
134	0605035A	Common Infrared Countermeasures (CIRCM)	05	U	10,959	11,691		11,691	10,789		10,789
135	0605036A	Combating Weapons of Mass Destruction (CWMD)	05	U	1,012	7,846		7,846	13,322		13,322
136	0605037A	Evidence Collection and Detainee Processing	05	U					4,619		4,619
137	0605038A	Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) Sensor Suite	05	U		7,886		7,886	13,459		13,459
138	0605041A	Defensive CYBER Tool Development	05	U	13,386	4,176		4,176	3,611		3,611
139	0605042A	Tactical Network Radio Systems (Low-Tier)	05	U	4,160	4,288		4,288	3,222		3,222
140	0605047A	Contract Writing System	05	U	12,390	9,276		9,276	8,101		8,101
141	0605049A	Missile Warning System Modernization (MWSM)	05	U	19,508						
142	0605051A	Aircraft Survivability Development	05	U	23,991	38,225		38,225	44,182		44,182
143	0605052A	Indirect Fire Protection Capability Inc 2 - Block 1	05	U	172,705	140,912		140,912	248,659		248,659
144	0605053A	Ground Robotics	05	U	26,704	28,378		28,378	227,038		227,038
145	0605054A	Emerging Technology Initiatives	05	U	115,356	126,658		126,658	57,546	87,000	144,546
146	0605144A	Next Generation Load Device - Medium	05	U	36,970	2,931		2,931	24,492		24,492

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
147	0605148A	Tactical Intel Targeting Access Node (TITAN) EMD	05	U	128,784	149,112		149,112	44,273		44,273
148	0605203A	Army System Development & Demonstration	05	U	81,657						
149	0605205A	Small Unmanned Aerial Vehicle (SUAV) (6.5)	05	U	20,865	24,474		24,474			
150	0605206A	CI and HUMINT Equipment Program-Army (CIHEP-A)	05	U	2,170	1,296		1,296			
151	0605216A	Joint Targeting Integrated Command and Coordination Suite (JTIC2S)	05	U	8,951	21,415		21,415			
152	0605224A	Multi-Domain Intelligence	05	U	23,605	18,913		18,913	34,844		34,844
153	0605231A	Precision Strike Missile (PrSM)	05	U	262,829	184,046		184,046		197,184	197,184
154	0605232A	Hypersonics EMD	05	U	772,174	469,775		469,775	513,027		513,027
155	0605233A	Accessions Information Environment (AIE)	05	U	26,362	32,265		32,265	32,710		32,710
156	0605235A	Strategic Mid-Range Capability	05	U	255,121	182,823		182,823	186,304		186,304
157	0605236A	Integrated Tactical Communications	05	U	18,065	12,224		12,224	22,732		22,732
158	0605241A	Future Long Range Assault Aircraft Development	05	U		1,253,637		1,253,637	1,248,544		1,248,544
159	0605242A	Theater SIGINT System (TSIGS)	05	U		3,660		3,660			
160	0605244A	Joint Reduced Range Rocket (JR3)	05	U		13,565		13,565	28,893		28,893
161	0605247A	Spectrum Situational Awareness System (S2AS)	05	U		4,665		4,665			
162	0605450A	Joint Air-to-Ground Missile (JAGM)	05	U	2,904	3,030		3,030			
163	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05	U	285,411	587,068		587,068	146,056		146,056
164	0605531A	Counter - Small Unmanned Aircraft Systems Sys Dev & Demonstration	05	U	34,701	59,563		59,563	55,196		55,196
166	0605625A	Manned Ground Vehicle	05	U	565,047	499,478		499,478	386,393		386,393

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
167	0605766A	National Capabilities Integration (MIP)	05	U	15,129	16,565		16,565	16,913		16,913
168	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Phase (EMD)	05	U					2,664		2,664
169	0605830A	Aviation Ground Support Equipment	05	U	1,124	979		979	930		930
170	0303032A	TROJAN - RH12	05	U	3,879	3,930		3,930	3,920		3,920
171	0303767A	AMBIT - Pre-Auctioned SRF	05	U	20,791						
172	0304270A	Electronic Warfare Development	05	U	133,834	81,232		81,232			
999	999999999	Classified Programs	05	U		83,136		83,136	117,428		117,428
	System Development & Demonstration				4,890,110	5,758,500		5,758,500	5,378,817	304,614	5,683,431
173	0604256A	Threat Simulator Development	06	U	71,587	75,298		75,298	74,767		74,767
174	0604258A	Target Systems Development	06	U	33,940	27,788		27,788	16,004		16,004
175	0604759A	Major T&E Investment	06	U	87,687	98,613		98,613	101,027		101,027
176	0605103A	Rand Arroyo Center	06	U	35,312	38,122		38,122	10,892		10,892
177	0605301A	Army Kwajalein Atoll	06	U	341,771	321,755	41,400	363,155	379,283		379,283
178	0605326A	Concepts Experimentation Program	06	U	86,765	80,845		80,845	58,606		58,606
179	0605502A	Small Business Innovative Research	06	U	409,981						
180	0605601A	Army Test Ranges and Facilities	06	U	441,173	466,085		466,085	425,108		425,108
181	0605602A	Army Technical Test Instrumentation and Targets	06	U	45,679	74,004		74,004	69,328		69,328
182	0605604A	Survivability/Lethality Analysis	06	U	37,005	36,815		36,815	31,306		31,306
183	0605606A	Aircraft Certification	06	U	2,718	2,201		2,201	1,887		1,887
184	0605706A	Materiel Systems Analysis	06	U	23,402	23,338		23,338	19,100		19,100
185	0605709A	Exploitation of Foreign Items	06	U	7,805	6,245		6,245	6,277		6,277

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
186	0605712A	Support of Operational Testing	06	U	74,128	76,088		76,088	63,637		63,637
187	0605716A	Army Evaluation Center	06	U	71,118	73,220		73,220	62,343		62,343
188	0605718A	Army Modeling & Sim X-Cmd Collaboration & Integ	06	U	6,136	11,257		11,257	11,825		11,825
189	0605801A	Programwide Activities	06	U	86,384	91,895		91,895	54,172		54,172
190	0605803A	Technical Information Activities	06	U	30,422	32,385		32,385	26,592		26,592
191	0605805A	Munitions Standardization, Effectiveness and Safety	06	U	56,069	50,766		50,766	44,465		44,465
192	0605857A	Environmental Quality Technology Mgmt Support	06	U	1,570	1,659		1,659	2,857		2,857
193	0605898A	Army Direct Report Headquarters - R&D - MHA	06	U	55,497	59,727		59,727	53,436		53,436
194	0606002A	Ronald Reagan Ballistic Missile Defense Test Site	06	U	89,911	73,400		73,400	72,302		72,302
195	0606003A	CounterIntel and Human Intel Modernization	06	U	6,348	9,574		9,574	5,660		5,660
196	0606118A	AIAMD Software Development & Integration	06	U					358,854	103,000	461,854
197	0606942A	Assessments and Evaluations Cyber Vulnerabilities	06	U	6,025	10,105		10,105	6,354		6,354
198	0909999A	Financing for Cancelled Account Adjustments	06	U	669						
	Management Support				2,109,102	1,741,185	41,400	1,782,585	1,956,082	103,000	2,059,082
199	0603778A	MLRS Product Improvement Program	07	U	13,937	14,188		14,188	14,639		14,639
200	0605024A	Anti-Tamper Technology Support	07	U	7,274	7,489		7,489	6,449		6,449
201	0607101A	Combating Weapons of Mass Destruction (CWMD) Product Improvement	07	U		271		271	115		115
202	0607131A	Weapons and Munitions Product Improvement Programs	07	U	61,735	31,563		31,563	13,687		13,687

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
203	0607136A	Blackhawk Product Improvement Program	07	U	40,923	125,000		125,000	23,998		23,998
204	0607137A	Chinook Product Improvement Program	07	U	20,386	4,816		4,816	10,859		10,859
205	0607139A	Improved Turbine Engine Program	07	U	182,204	130,029		130,029			
206	0607142A	Aviation Rocket System Product Improvement and Development	07	U	2,904						
207	0607143A	Unmanned Aircraft System Universal Products	07	U	24,466	24,539		24,539			
208	0607145A	Apache Future Development	07	U	44,762	8,243		8,243	44,371		44,371
209	0607148A	AN/TPQ-53 Counterfire Target Acquisition Radar System	07	U	52,190	53,652		53,652	43,054		43,054
210	0607150A	Intel Cyber Development	07	U	4,345	9,753		9,753	13,129		13,129
211	0607212A	TENCAP Enhancements	07	U						6,800	6,800
212	0607312A	Army Operational Systems Development	07	U	19,000						
213	0607313A	Electronic Warfare Development	07	U	6,389	5,559		5,559			
215	0607665A	Family of Biometrics	07	U	768	590		590	1,594		1,594
216	0607865A	Patriot Product Improvement	07	U	170,729	168,458		168,458	183,763	15,000	198,763
217	0203728A	Joint Automated Deep Operation Coordination System (JADOCS)	07	U	37,535	27,582		27,582	8,424		8,424
218	0203735A	Combat Vehicle Improvement Programs	07	U	223,719	326,579		326,579	744,085		744,085
219	0203743A	155mm Self-Propelled Howitzer Improvements	07	U	22,066	47,870		47,870	107,826		107,826
220	0203752A	Aircraft Engine Component Improvement Program	07	U	146	142		142	237		237
221	0203758A	Digitization	07	U	1,460	1,562		1,562	1,013		1,013
222	0203801A	Missile/Air Defense Product Improvement Program	07	U	4,203	1,511		1,511	1,338		1,338

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
223	0203802A	Other Missile Product Improvement Programs	07	U	9,677	26,708		26,708			
224	0205412A	Environmental Quality Technology - Operational System Dev	07	U	271	269		269			
225	0205778A	Guided Multiple-Launch Rocket System (GMLRS)	07	U	70,808	20,590		20,590	33,307		33,307
226	0208053A	Joint Tactical Ground System	07	U	477						
229	0303028A	Security and Intelligence Activities	07	U	16,290						
230	0303140A	Information Systems Security Program	07	U	15,323	15,733		15,733	15,040		15,040
231	0303141A	Global Combat Support System	07	U	12,605	2,566		2,566			
232	0303142A	SATCOM Ground Environment (SPACE)	07	U	25,858	26,643		26,643	35,720		35,720
235	0305179A	Integrated Broadcast Service (IBS)	07	U	9,456	5,701		5,701	6,653		6,653
236	0305219A	MQ-1 Gray Eagle UAV	07	U	6,629	6,681		6,681	3,444		3,444
237	0708045A	End Item Industrial Preparedness Activities	07	U	118,797	87,187		87,187	67,002		67,002
999	999999999	Classified Programs	07	U	8,786	32,518		32,518	46,872		46,872
	Operational Systems Development				1,236,118	1,213,992		1,213,992	1,426,619	21,800	1,448,419
238	0608041A	Defensive CYBER - Software Prototype Development	08	U	104,048	74,548		74,548	89,238		89,238
	Software And Digital Technology Pilot Programs				104,048	74,548		74,548	89,238		89,238
239	0609135A	Counter Unmanned Aerial Systems (UAS) Agile Development	09	U					143,618		143,618
240	0609277A	Electronic Warfare Agile Development	09	U					127,081		127,081
241	0609278A	Electronic Warfare Agile Systems Development	09	U					59,202		59,202
242	0609345A	Unmanned Aerial Systems Launched Effects Agile Systems Development	09	U					187,473		187,473

UNCLASSIFIED

Department of the Army
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

Appropriation: 2040A Research, Development, Test and Evaluation, Army

Line	Program Element				FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2026	FY 2026
No	Number	Item	Act	Sec	Actuals	Enacted	Supplemental	Total	Disc Request	Reconciliation Request	Total
243	0609346A	UAS Launched Effects Agile Development	09	U					172,898		172,898
		Agile RDT&E Portfolion Management							690,272		690,272
Total Research, Development, Test and Evaluation, Army					17,119,530	14,322,031	41,400	14,363,431	14,549,223	846,534	15,395,757

UNCLASSIFIED

Army • Budget Estimates FY 2026 • RDT&E Program

Program Element Table of Contents (by Budget Activity then Line Item Number)

Appropriation 2040: Research, Development, Test & Evaluation, Army

Line #	Budget Activity	Program Element Number	Program Element Title	Page
60	04	0603305A	Army Missile Defense Systems Integration.....	Volume 2a - 1
61	04	0603308A	Army Space Systems Integration.....	Volume 2a - 11
62	04	0603327A	Air and Missile Defense Systems Engineering.....	Volume 2a - 23
63	04	0603619A	Landmine Warfare and Barrier - Adv Dev.....	Volume 2a - 30
64	04	0603639A	Tank and Medium Caliber Ammunition.....	Volume 2a - 48
65	04	0603645A	Armored System Modernization - Adv Dev.....	Volume 2a - 112
66	04	0603747A	Soldier Support and Survivability.....	Volume 2a - 126
67	04	0603766A	Tactical Electronic Surveillance System - Adv Dev.....	Volume 2a - 134
68	04	0603774A	Night Vision Systems Advanced Development.....	Volume 2a - 160
69	04	0603779A	Environmental Quality Technology - Dem/Val.....	Volume 2a - 180
70	04	0603790A	NATO Research and Development.....	Volume 2a - 196
71	04	0603801A	Aviation - Adv Dev.....	Volume 2a - 206
72	04	0603804A	Logistics and Engineer Equipment - Adv Dev.....	Volume 2a - 233
73	04	0603807A	Medical Systems - Adv Dev.....	Volume 2a - 257
74	04	0603827A	Soldier Systems - Advanced Development.....	Volume 2a - 274
75	04	0604017A	Robotics Development.....	Volume 2a - 316

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2026 • RDT&E Program

Appropriation 2040: Research, Development, Test & Evaluation, Army

Line #	Budget Activity	Program Element Number	Program Element Title	Page
76	04	0604019A	Expanded Mission Area Missile (EMAM).....	Volume 2a - 326

UNCLASSIFIED

Army • Budget Estimates FY 2026 • RDT&E Program

Program Element Table of Contents (Alphabetically by Program Element Title)

Program Element Title	Program Element Number	Line #	BA	Page
Air and Missile Defense Systems Engineering	0603327A	62	04.....	Volume 2a - 23
Armored System Modernization - Adv Dev	0603645A	65	04.....	Volume 2a - 112
Army Missile Defense Systems Integration	0603305A	60	04.....	Volume 2a - 1
Army Space Systems Integration	0603308A	61	04.....	Volume 2a - 11
Aviation - Adv Dev	0603801A	71	04.....	Volume 2a - 206
Environmental Quality Technology - Dem/Val	0603779A	69	04.....	Volume 2a - 180
Expanded Mission Area Missile (EMAM)	0604019A	76	04.....	Volume 2a - 326
Landmine Warfare and Barrier - Adv Dev	0603619A	63	04.....	Volume 2a - 30
Logistics and Engineer Equipment - Adv Dev	0603804A	72	04.....	Volume 2a - 233
Medical Systems - Adv Dev	0603807A	73	04.....	Volume 2a - 257
NATO Research and Development	0603790A	70	04.....	Volume 2a - 196
Night Vision Systems Advanced Development	0603774A	68	04.....	Volume 2a - 160
Robotics Development	0604017A	75	04.....	Volume 2a - 316
Soldier Support and Survivability	0603747A	66	04.....	Volume 2a - 126
Soldier Systems - Advanced Development	0603827A	74	04.....	Volume 2a - 274
Tactical Electronic Surveillance System - Adv Dev	0603766A	67	04.....	Volume 2a - 134
Tank and Medium Caliber Ammunition	0603639A	64	04.....	Volume 2a - 48

UNCLASSIFIED

*All figures in this exhibit are for the FY 2026 discretionary appropriations
President's Budget request unless otherwise noted.*

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603305A / <i>Army Missile Defense Systems Integration</i>
---	---

COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	48.763	20.031	8.141	-	8.141	-	-	-	-	-	-
TR5: <i>Missile Defense Battlelab</i>	-	48.763	20.031	8.141	-	8.141	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) funds missile defense systems integration efforts for the US Army Space and Missile Defense Command in its role as the Army Service Component Command (ASCC) to USSTRATCOM and USSPACECOM.

USASMD: Headquarters, Department of the Army General Order 37, dated 16 October 2006, designated USASMD as the Army proponent for ground-based midcourse defense (GMD), the Army integrator for global missile defense, and the ASCC of the U.S. Strategic Command (USSTRATCOM). Upon its establishment, USASMD became the Army Service Component Command of the United States Space Command (USSPACECOM). Army Regulation (AR) 10-87 Army Commands, Army Service Component Commands, and Direct Reporting Units dated 4 September 2007, and AR 5-22 The Army Force Modernization Proponent System dated 19 August 2009 designate USASMD as the Army specified proponent for Global Missile Defense (GMD) capabilities. As the Army proponent for GMD, USASMD is responsible for developing warfighting concepts, conducting warfighting experiments to validate those concepts, identifying capabilities needed to implement the validated concepts, and developing Doctrine, Organizations, Training, Material, Leadership & Education, Personnel, Facilities and Policy (DOTMLPF-P) solutions to realize GMD capabilities. As the Army integrator for global missile defense, USASMD is responsible for reviewing programs managed by the Army, other Services, Defense agencies and National agencies to ensure that they are correctly synchronized and will ultimately provide the capabilities required by USSTRATCOM and USSPACECOM to execute their global missile defense responsibilities to provide protection of the homeland and regional/theater missile defense.

The FY 2026 request was reduced by \$3.551 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 request was reduced by \$0.076 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Systems Integration				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		12.904	13.031	13.042	-	13.042
Current President's Budget		48.763	20.031	8.141	-	8.141
Total Adjustments		35.859	7.000	-4.901	-	-4.901
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		36.000	7.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.141	-			
• Adjustments to Budget Years		-	-	-4.901	-	-4.901
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: TR5: Missile Defense Battlelab						
Congressional Add: Integrated Environmental Control and Power (IECP)						
Congressional Add: Artificial-Intelligent Decision Aids for All-Domain Operations (AI DAADO)						
Congressional Add: Gun Launched Interceptors (GLI)						
Congressional Add: Weather Impacts Toolkit (WIT)						
Congressional Add: Capability for Advanced Protective Technologies Assessment and Integration (CAPTAIN)						
Congressional Add: Ground Test for Hypersonics						
Congressional Add Subtotals for Project: TR5						
Congressional Add Totals for all Projects						
Change Summary Explanation						
Decrease in FY 2026 funding from the previous PB to the current PB due to efforts to foster innovation and increase efficiencies.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Systems Integration				Project (Number/Name) TR5 / Missile Defense Battlelab			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
TR5: Missile Defense Battlelab	-	48.763	20.031	8.141	-	8.141	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project TR5 funds the Strategic Missile Defense (SMD) Force Development activities of the United States Army Space and Missile Defense Command (USASMDC) Space and Missile Defense Center of Excellence (SMDCoE). The SMDCoE is the warfighting function lead and Department of the Army force modernization proponent to develop the associated operational prototyping, experimentation, operational analysis, and modeling and simulation in support of SMD capabilities for current and future Forces. The SMDCoE SMD Force Development workforce supports the research and doctrine development from one of the SMDCoE principal locations in Huntsville, AL; Colorado Springs, CO; and Joint Base Langley-Eustis. As the Army proponent for SMD, USASMDC serves as the Army's bridge between technical development and operational fielding. The SMDCoE is responsible for developing warfighting concepts, conducting experiments and wargames to validate those concepts, identifying capabilities needed to implement the validated concepts, and developing Doctrine, Organizations, Training, Material, Leadership & Education, Personnel, Facilities and Policy (DOTMLPF-P) solutions to field current and future SMD capabilities. As the Army integrator for SMD, USASMDC is responsible for reviewing programs managed by the Army, other Services, Defense agencies and National agencies to ensure that they are correctly synchronized and will ultimately provide the capabilities required by USSTRATCOM, USSPACECOM and Western Hemisphere Command to execute their SMD responsibilities.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Strategic Missile Defense Experiments, Wargames and Prototypes Description: Develop and assess current SMD technologies and assess capabilities through participation in wargames and experiments. FY 2025 Plans: USASMDC SMDCoE develops and tests concepts to improve pre-launch awareness of mobile launched hypersonic weapons, to modernize the ability to track hypersonic weapons, and develop a more integrated and coordinated global missile defense command and control network. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreases in Strategic Missile Defense (SMD) Experiments, Wargames and Prototypes reflects Army efforts to foster innovation and increase efficiencies.	1.877	1.894	-
Title: Disruptive Concepts and Technologies Development Description: Provide concept development / DOTMLPF-P support to the Army Air and Missile Defense Cross Functional Team (AMD CFT) for priority programs.	8.009	8.236	7.045

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Systems Integration	Project (Number/Name) TR5 / Missile Defense Battlelab		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: SMDCoE maintains focus on developing concepts to integrate emerging technologies which support the development of next generation capabilities to match, then outpace the threat in order to ensure success in competition, crisis, conflict, and change.				
FY 2026 Plans: This funding enables the SMDCoE to accomplish its responsibility to provide holistic concept to capability development, and concept and technology assessment for Army missile defense capabilities across the range of DOTMLPF-P. The SMDCoE will focus its remaining resources to develop and integrate Ground-based Midcourse Defense (GMD) capability concepts as the Army's capability development lead for the integration of Force Modernization processes and forums supporting the Army Transformation Initiative (ATI).				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease in Army Missile Defense system integration reflects the efforts to foster innovation and increase efficiencies.				
Title: Strategic Missile Defense Models and Simulations Infrastructure		0.878	0.884	-
Description: USASMDC is the proponent for multiple models and simulations (M&S) critical to the Army and Joint analysis, exercise, wargaming, and experimentation communities.				
FY 2025 Plans: Conduct and improve Missile Defense analysis, advanced modelling and simulations by leveraging lessons learned from previous efforts. Evaluate new technologies in realistic operating environments to accurately reflect modern missile defense capabilities. Provide program management for maintenance, sustainment, and development for Extended Air Defense Simulation (EADSIM), and the Joint Embedded Messaging System (JEMS). Develop the Future Force Experimentation Air Defense System (FFEADS) simulation model to provide operator-in-the-loop representations of all Army air and missile defense weapon, and command and control systems.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease to Strategic Missile Defense (SMD) Models and Simulations Infrastructure reflects Army efforts to foster innovation and increase efficiencies.				
Title: Strategic Missile Defense Operations Resourcing and Support		1.999	2.017	1.096
Description: Requirement supports the SMDCoE responsibility to provide resources to support underlying operating expenses for the strategic missile defense force development mission area.				
FY 2025 Plans:				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603305A / <i>Army Missile Defense Systems Integration</i>	Project (Number/Name) TR5 / <i>Missile Defense Battlelab</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Continue to provide operational and logistical support to ensure the long-range planning and overall mission accomplishment of the Army SMDCoE.			
FY 2026 Plans: These resources provide for limited computational and network resources, modeling and simulation, and operational analysis required to support Golden Dome for America and related Homeland Defense efforts (to include the National Capital Region Integrated Air Defense System). These decisions include the acquisition of systems and the development of Concepts of Operations (CONOPs) that provide the best Joint and Army Missile Defense capabilities to current and future Warfighters.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease in Army Missile Defense system integration reflects the efforts to foster innovation and increase efficiencies.			
Accomplishments/Planned Programs Subtotals		12.763	13.031
		FY 2024	FY 2025
Congressional Add: Integrated Environmental Control and Power (IECP)		10.000	-
FY 2024 Accomplishments: Pending the receipt of funds to execute the mission.			
Congressional Add: Artificial-Intelligent Decision Aids for All-Domain Operations (AI DAADO)		5.000	-
FY 2024 Accomplishments: Pending the receipt of funds to execute the mission.			
Congressional Add: Gun Launched Interceptors (GLI)		5.000	-
FY 2024 Accomplishments: Pending the receipt of funds to execute the mission.			
Congressional Add: Weather Impacts Toolkit (WIT)		5.000	-
FY 2024 Accomplishments: Pending the receipt of funds to execute the mission.			
Congressional Add: Capability for Advanced Protective Technologies Assessment and Integration (CAPTAIN)		11.000	-
FY 2024 Accomplishments: Pending the receipt of funds to execute the mission.			
Congressional Add: Ground Test for Hypersonics		-	7.000
FY 2025 Plans: Improve the ability to test advanced materials and aerodynamic/control technologies, including Thermal solutions for advanced materials (also applicable to space environments) and Adjustable mass flow techniques to simulate trajectories. Refine combined cycle propulsion systems (integral systems that include air			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army						Date: June 2025
Appropriation/Budget Activity			R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4			PE 0603305A / Army Missile Defense Systems Integration		TR5 / Missile Defense Battlelab	
					FY 2024	FY 2025
turbo rockets, both ramjet / scramjet engines and solid propellant boosters), to advance the prototypes of HS/HM systems, specifically targeting eventual mission effectiveness.						
Congressional Adds Subtotals					36.000	7.000

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

SMDCoE strategic missile defense capability development efforts have a natural association and linkage with Army Space and High Altitude (SHA) capability development also performed within the SMDCoE. Emerging space and high altitude technologies and concepts often influence SMD identification, tracking and response.

D. Acquisition Strategy

N/A.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Syst ems Integration				Project (Number/Name) TR5 / Missile Defense Battlelab					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Personnel and Operations Support	TBD	USASMDC : COS / HSV	39.360	9.220		9.040		8.141		-		8.141	Continuing	Continuing	-
SIBR/STTR Transfer	TBD	USASMDC : COS / HSV	-	0.141		-		-		-		-	0.000	0.141	-
Subtotal			39.360	9.361		9.040		8.141		-		8.141	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contracts	Various	USASMDC : COS / HSV	16.847	3.402		3.991		-		-		-	Continuing	Continuing	-
Integrated Environmental Control and Power (IECP)	TBD	SMDC : VARIOUS	16.000	10.000		-		-		-		-	Continuing	Continuing	-
Artificial-Intelligent Decision Aids for All- Domain Operations (AI DAADO)	TBD	SMDC : VARIOUS	-	5.000		-		-		-		-	0.000	5.000	-
Gun Launched Interceptors (GLI)	TBD	SMDC : VARIOUS	3.000	5.000		-		-		-		-	Continuing	Continuing	-
Weather Impacts Toolkit (WIT)	TBD	SMDC : VARIOUS	5.000	5.000		-		-		-		-	Continuing	Continuing	-
Capability for Advanced Protective Technologies Assessment and Integration (CAPTAIN)	TBD	SMDC : VARIOUS	-	11.000		-		-		-		-	0.000	11.000	-
Subtotal			40.847	39.402		3.991		-		-		-	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Systems Integration						Project (Number/Name) TR5 / Missile Defense Battlelab			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ground Test for Hypersonics	TBD	SMDC : VARIOUS	-	-		7.000		-		-		-	0.000	7.000	-
Subtotal			-	-		7.000		-		-		-	0.000	7.000	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			80.207	48.763		20.031		8.141		-		8.141	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603305A / Army Missile Defense Systems Integration		Project (Number/Name) TR5 / Missile Defense Battlelab	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Experiments & Technology Enhancements of Prototypes																												
Eval integration of tech identified in Wargame Campaign Plan and Analysis																												
Hypersonics Tracking Capability Development																												
AN/TPY-2 Forward Based Mode (FBM) Program Management																												
Development of Extended Air Defense Simulation Updates																												
Missile Defense Simulation Support for the Joint Warfight...																												
Force Design Requirements Assessment for Missile Defense...																												
Provide Support to Army Future Command's Modernization E...																												
Force Development Support to the Air and Missile Defense...																												
Reconfigurable Tactical Operations System (RTOS) Developme																												
Future Force Experimentation Air Defense System (FFEADS)...																												
Analysis Support to Joint Inter Agency Missile Defense O...																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603305A / <i>Army Missile Defense Systems Integration</i>	Project (Number/Name) TR5 / <i>Missile Defense Battlelab</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Experiments & Technology Enhancements of Prototypes	1	2022	4	2030
Hypersonics Tracking Capability Development	1	2022	4	2030
AN/TPY-2 Forward Based Mode (FBM) Program Management	1	2022	4	2030
Development of Extended Air Defense Simulation Updates	1	2022	4	2030
Missile Defense Simulation Support for the Joint Warfighting Concept	1	2022	4	2030
Force Design Requirements Assessment for Missile Defense Forces	1	2022	4	2030
Provide Support to Army Future Command's Modernization Enterprise Processes	1	2022	4	2030
Force Development Support to the Air and Missile Defense Cross Functional Team	1	2022	4	2030
Reconfigurable Tactical Operations System (RTOS) Development	1	2022	4	2030
Future Force Experimentation Air Defense System (FFEADS) Development	2	2022	3	2024
Analysis Support to Joint Inter Agency Missile Defense Office (JIAMDO	1	2022	3	2024

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603308A / <i>Army Space Systems Integration</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	28.813	29.659	83.080	-	83.080	-	-	-	-	-	-
990: <i>Space And Missile Defense Integration</i>	-	28.813	29.659	83.080	-	83.080	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) funds the United States Army Space and Missile Defense Command (USASMDC) development activities, and employment of global space and high-altitude (SHA) capabilities to the Army, joint force, allies and partners, to enable multi-domain combat effects; enhance deterrence, assurance, and detection of strategic attacks; and protect the Nation. The USASMDC is the warfighting function lead and Department of the Army force modernization proponent for integration of current and future SHA systems to enable Army forces on the battlefield. The USASMDC workforce supports the research and doctrine development from one of the USASMDC principal locations in Huntsville, AL; Colorado Springs, CO; and Joint Base Langley-Eustis. Employing cutting-edge technology and incorporating feedback from the warfighter, the command develops critical space and high-altitude capabilities to maintain overmatch of the nation's near-peer adversaries and to deter, deny and defeat any challenge. Headquarters, Department of the Army General Order 37, dated 16 October 2006, designated USASMDC as the Army proponent for space, the Army integrator for global missile defense (GMD), and the Army Service Component Command (ASCC) of the USSTRATCOM. Army Regulation (AR) 10-87, Army Commands, Army Service Component Commands, and Direct Reporting Units, dated 4 September 2007, and AR 5-22, The Army Force Modernization Proponent System, dated 19 August 2009, designated USASMDC as the Army specified proponent for Space/High Altitude capabilities. As the Army proponent for space and high altitude, USASMDC is responsible for developing warfighting concepts, conduct warfighting experiments to validate those concepts, identify capabilities needed to implement the validated concepts, and develop Doctrine, Organizations, Training, Material, Leadership & Education, Personnel, Facilities and Policy (DOTMLPF-P) solutions.

The FY 2026 request was reduced by \$2.577 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 request was reduced by \$0.406 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603308A / Army Space Systems Integration			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	19.120	19.659	19.678	-	19.678
Current President's Budget	28.813	29.659	83.080	-	83.080
Total Adjustments	9.693	10.000	63.402	-	63.402
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	10.000	10.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.040	-			
• SBIR/STTR Transfer	-0.347	-			
• Adjustments to Budget Years	-	-	63.402	-	63.402
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2024	FY 2025
Project: 990: Space And Missile Defense Integration					
Congressional Add: Artificial Intelligence (AI) Autonomous Cyber Intrusion Defender (AACID)				5.000	-
Congressional Add: Multi-Function Multi-Mission Payload Development				5.000	-
Congressional Add: Distributed aperture adjunct for multi-domain operations				-	10.000
Congressional Add Subtotals for Project: 990				10.000	10.000
Congressional Add Totals for all Projects				10.000	10.000
Change Summary Explanation					
Increase in FY 2026 funding from the previous PB to the current PB due to SPECTRE Acceleration and addition of the Joint Simulation Environment effort.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration				Project (Number/Name) 990 / Space And Missile Defense Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
990: Space And Missile Defense Integration	-	28.813	29.659	83.080	-	83.080	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

The SMDC SPECTRE, and Joint Simulation Environment efforts are new additions to the Space And Missile Defense Integration project beginning in FY2026.

A. Mission Description and Budget Item Justification

This Program Element (PE) funds the Space and High Altitude (SHA) Force Development activities of the United States Army Space and Missile Defense Command (USASMDC) Space and Missile Defense Center of Excellence (SMDCoE) and Technical Center (TC). The SMDCoE is the warfighting function lead and Department of the Army force modernization proponent for integration of current and future SHA systems to enable Army forces on the battlefield. The SMDCoE workforce supports the research and doctrine development from one of the SMDCoE principle locations in Huntsville, AL; Colorado Springs, CO; and Joint Base Langley-Eustis. As the Army proponent for SHA, the SMDCoE is responsible for developing warfighting concepts, identifying and validating needed capabilities, conducting warfighting experiments, and developing Doctrine, Organizations, Training, Material, Leadership & Education, Personnel, Facilities and Policy (DOTMLPF-P) solutions for the Army to leverage the SHA domains in support of Army operations. The SMDCoE focuses on providing solutions for capability gaps of land domain forces in a multi-domain battle environment in two ways: First, by leveraging the benefits of the SHA domains to enable decentralized land force operations in support of the Army's mission command philosophy; and second by delivering synchronized capabilities from, through and into the space domain in direct support of land domain forces. Effective integration of SHA capabilities enable the application of strategic land power and execution of Multi-Domain Operations (MDO). Additionally, SHA capabilities anchor the Army's ability to penetrate and disintegrate enemy anti-access and area denial (A2AD) systems and exploit the resultant freedom of maneuver to achieve strategic objectives and force a return to competition on favorable terms. Under the direction of an experienced member of the Senior Executive Service (SES), the SMDCoE receives guidance from the USASMDC Commanding General and works in close coordination with the Army Combined Arms Center, Army Futures Command, the United States Strategic Command, the United States Space Command the Missile Defense Agency.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Space and High Altitude Capability Development Proponency	10.601	11.098	10.042
Description: Perform Army Force Modernization Responsibilities for the SHA Altitude Domains.			
FY 2025 Plans: Support Army modernization efforts by developing concepts to integrate emerging technologies to enhance Multi-Domain Operations with a particular focus on increasing Multi-Domain Task Force (MDTF), Multi-Domain Effects Battalion (MDEB) and Theater Strike Effects Groups (TSEG) capabilities.			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Despite resource reductions, continue to support Army modernization efforts as the Army's operational and developmental linchpin ensuring Space and High-Altitude capabilities are built, deployable, usable and sustainable by Army Warfighting forces. Provide essential support to the Army Transformation Initiative (ATI) by developing concepts to integrate emerging technologies to enhance Multi-Domain Operation with a particular focus on increasing Multi-Domain Task Force (MDTF), Multi-Domain Effects Battalion (MDEB) and Theater Strike Effects Groups (TSEG) capabilities. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease to support of SPECTRE Acceleration within this PE.				
Title: Joint Friendly Force Tracking (J-FFT) Testbed Description: Development and deployment of J-FFT capabilities. FY 2025 Plans: J-FFT testbed and development teams respond to the growth in FFT device use by enabling multiple device types, data types, and displays supported by the various FFT and HF TTL data architectures. The JFFT Testbed will develop and deliver new capabilities for added functionality in data visualization and management. JFFT will continue to exploit, expand and provide approved infrastructures at all classification levels that improve performance and reduce costs. FY 2026 Plans: JFFT Testbed will continue to develop critical materiel solutions and enhancements to ensure ever improving situational awareness, and improved command and control capabilities for the warfighter. This development supports combat operations and special tracking needs of CCMDs and other USG users in every theater of operations in order to maximize lethality and minimize fratricide. J-FFT also serves as JS/J6 technical lead for efforts to create a NATO Common Operational Picture (COP) necessary to conduct multi-national combat operations. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease to support of SPECTRE Acceleration within this PE.		3.375	3.426	1.701
Title: Assured Positioning, Navigation and Timing / Navigation Warfare (A-PNT/NAVWAR) Description: Provide PNT/NAVWAR capability development support for the Army. FY 2025 Plans: The SMDCoE Army Capability Manager for Space and High-Altitude (ACM SHA) continues working to mitigate capability gaps due to the growing threat to Position, Navigation and Timing (PNT), to provide situational awareness of the Navigation Warfare (NAVWAR) environment, and to prevent adversary use of PNT. FY 2026 Plans:		2.260	2.302	1.380

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Contribute to Army's focus on synchronizing Kinetic and non-kinetic fires and space-based capabilities through efforts to mitigate PNT capability gaps, to provide situational awareness of the NAVWAR environment, and to prevent adversary use of PNT information through coordinated employment of NAVWAR capabilities. Army Space and Missile Defense Command will continue to fulfill capability development responsibilities to the All-Domain Sensing (ADS) Cross Functional Team (CFT) and Army Service Component Command duties in support of USSPACECOM to provide PNT/NAWWAR capabilities to maintain PNT overmatch. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease to support of SPECTRE Acceleration within this PE.				
Title: Space and High Altitude Models, Simulations and Operations Support Description: Supports the SMDCoE responsibility to provide Space and High-Altitude modeling and simulations, and resources underlying operating expenses and support. FY 2025 Plans: Resources provide the computational and network resources, modeling and simulation (to include the Extended Air Defense Simulation [EADSIM] and the Space Wargaming Analysis Tool [SWAT]), and operational analysis required to support major decisions concerning the acquisition of systems and the development of concepts of operations (CONOPS) that provide the best Joint, and Army Space and High-Altitude capabilities to current and future Warfighters. FY 2026 Plans: Planned resources will provide limited computational and network resources, modeling and simulation, and operational analysis required to support the design, development, and implementation of Golden Dome for America. These resources ultimately enable the integration of the Space and High-Altitude domains of warfare into Army operations to enable integrated support to the Army Warfighting Concept. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease to support of SPECTRE Acceleration within this PE.		2.577	2.624	2.344
Title: Space and High-Altitude Engineering Subject Matter Expertise Description: This program provides engineering subject matter expertise within the technical areas of Air and Missile Defense, Hypersonics and Strategic Weapons, Directed Energy Technologies, Space and High-Altitude Technologies Test and Evaluation in support of the Space and Missile Defense Technical Center. FY 2025 Plans:		-	0.209	0.213

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
The manpower provides engineering subject matter expertise within the technical areas of Air and Missile Defense, Hypersonics and Strategic Weapons, Directed Energy Technologies, Space and High-Altitude Technologies Test and Evaluation in support of the Space and Missile Defense Technical Center. FY 2026 Plans: The manpower provides engineering subject matter expertise within the technical areas of Air and Missile Defense, Hypersonics and Strategic Weapons, Directed Energy Technologies, Space and High-Altitude Technologies Test and Evaluation in support of the Space and Missile Defense Technical Center. FY 2025 to FY 2026 Increase/Decrease Statement: Increase reflects projected Civilian Pay rate increase from FY25 to FY26.				
Title: SPECTRE Acceleration FY 2026 Plans: Accelerate the IOC of identified and demonstrated distributed aperture technologies for Army missions and applications. Acceleration of Army requested modalities such as fixed, transportable, mobile, etc., configurations will enable IOCs relevant to multiple Army missions and warfighter requirements. FY 2025 to FY 2026 Increase/Decrease Statement: Increase is due to new mission requirement		-	-	50.000
Title: Readiness - Joint Simulation Environment Description: This effort will focus on developing simulation and modeling capabilities as required for support to the EMTEC and SMDC developed technologies. Requirements are classified. FY 2026 Plans: Plans are held at a higher classification FY 2025 to FY 2026 Increase/Decrease Statement: Explanation is held at a higher classification		-	-	4.000
Title: Classified effort FY 2026 Plans: Plans are held at a higher classification FY 2025 to FY 2026 Increase/Decrease Statement:		-	-	13.400

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration	
B. Accomplishments/Planned Programs (\$ in Millions) Explanation is held at a higher classification		FY 2024	FY 2025
Accomplishments/Planned Programs Subtotals		18.813	19.659
		FY 2024	FY 2025
Congressional Add: Artificial Intelligence (AI) Autonomous Cyber Intrusion Defender (AACID) FY 2024 Accomplishments: Awaiting funding to execute the mission.		5.000	-
Congressional Add: Multi-Function Multi-Mission Payload Development FY 2024 Accomplishments: Developed a low-cost multi-function multi-mission capability that can be used for mission planning and other tactical and strategic operations. The project purchased long-lead ground equipment for addressing strategic capabilities. Designs for ground stations completed and fabrication for space links test for multiple mission capability pending.		5.000	-
Congressional Add: Distributed aperture adjunct for multi-domain operations FY 2025 Plans: This effort will mature and demonstrate key enabling technologies of distributed aperture research to extend performance characteristics of Army systems. Demonstration of novel calibration capabilities, maturation of RF components, synchronization enhancements, and validation of hardware and software advances will take place.		-	10.000
Congressional Adds Subtotals		10.000	10.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks SMDCoE space and high altitude capability development efforts have a natural association and linkage with Army Strategic Missile Defense (SMD) capability development also performed within the SMDCoE. Emerging space and high altitude technologies and concepts often influence SMD identification, tracking and response.			
D. Acquisition Strategy N/A.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration				Project (Number/Name) 990 / Space And Missile Defense Integration					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Personnel and Operations support	Various	USASMDC : Huntsville, AL and Colorado Springs,	50.371	15.153		16.291		13.979		-		13.979	Continuing	Continuing	Continuing
SBIR/ STTR Transfer	TBD	TBD : TBD	-	0.347		-		-		-		-	0.000	0.347	-
Subtotal			50.371	15.500		16.291		13.979		-		13.979	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Artificial Intelligence (AI) Autonomous Cyber Intrusion Defender (AACID)	TBD	Various : Huntsville, AL and Colorado Springs, CO	5.000	5.000		-		-		-		-	Continuing	Continuing	Continuing
Multi-Function Multi-Mission Payload Development	TBD	Various : Huntsville, AL and Colorado Springs, CO	5.000	5.000		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			10.000	10.000		-		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
J-FFT Testbed and Development	Various	USASMDC : Colorado Springs, CO	6.190	3.313		3.368		1.701		-		1.701	Continuing	Continuing	Continuing
Subtotal			6.190	3.313		3.368		1.701		-		1.701	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration				Project (Number/Name) 990 / Space And Missile Defense Integration					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
990 Base	TBD	Various : Hunstville, AL and Colorado Springs, CO	-	-		-		50.000		-		50.000	0.000	50.000	-
Distributed aperture adjunct for multi-domain operations	TBD	SMDC : VARIOUS	-	-		10.000		-		-		-	0.000	10.000	-
Classified Effort	TBD	SMDC : VARIOUS	-	-		-		13.400		-		13.400	0.000	13.400	-
Readiness - Joint Simulation Environment	TBD	SMDC : VARIOUS	-	-		-		4.000		-		4.000	0.000	4.000	-
Subtotal			-	-		10.000		67.400		-		67.400	0.000	77.400	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			66.561	28.813		29.659		83.080		-		83.080	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Space Superiority Capability Development																												
Tactical Space Layer Sensor to Shooter Concept Development																												
High Altitude Persistent Platform Capability Development...																												
Space Operations Multit-Domain Environment Analysis																												
Space Simulation Support to TRADOC ARCIC Experimentation																												
Joint Space Warfighting Forum (JSWF) Analysis Support																												
Army Enduring JFFT Development																												
NAVWAR/PNT Gap Analysis and Advocacy																												
NAVWAR Defense/Attack Operating Concepts and Requirement																												
APNT Integrated Space Communications																												
APNT CFT Analysis Support																												
Counter ISR Capability Development																												
Force Design Assessment of Army Forces																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0603308A / Army Space Systems Integration

Project (Number/Name)

990 / Space And Missile Defense Integration

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603308A / Army Space Systems Integration	Project (Number/Name) 990 / Space And Missile Defense Integration	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Space Superiority Capability Development	1	2021	4	2030
Tactical Space Layer Sensor to Shooter Concept Development	3	2021	4	2030
High Altitude Persistent Platform Capability Development Documentation	1	2021	4	2030
Multi-Domain Task Force (MTDF) Multi-Domain Expeditionary Brigade (MDEB) Study	3	2021	3	2023
Space Operations Mult-Domain Environment Analysis	1	2021	4	2030
Space Simulation Support to TRADOC ARCIC Experimentation	1	2021	4	2030
Joint Space Warfighting Forum (JSWF) Analysis Support	1	2021	4	2030
Army Enduring JFFT Development	1	2021	4	2030
NAVWAR/PNT Gap Analysis and Advocacy	1	2021	4	2025
NAVWAR Defense/Attack Operating Concepts and Requirement	1	2021	4	2030
APNT Integrated Space Communications	1	2021	4	2025
APNT CFT Analysis Support	1	2021	4	2030
Counter ISR Capability Development	1	2021	4	2030
Force Design Assessment of Army Forces	1	2021	4	2030
Space Superiority Joint Architecture Analysis	1	2021	4	2024
Jericho Thunder Analysis Support	1	2021	4	2024
SPECTRE Acceleration	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603327A / <i>Air and Missile Defense Systems Engineering</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	13.000	30.000	-	-	0.000	-	-	-	-	-	-
FG9: <i>Air and Missile Defense (AMD) Electronic Warfare</i>	-	13.000	30.000	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Funding in this program supports Cyber and Electromagnetic Activities (CEMA) and Deep CEMA efforts to conduct realistic assessments of Army Integrated Fires performance, identify system vulnerabilities, and develop mitigations against threats across the Cyber and Electromagnetic spectrum. Army radars and sensors, integrated air and missile defense mission command and fire control, Radio Frequency (RF) data and voice networks, and Positioning, Navigation, and Timing (PNT) technology will be assessed against current and postulated threat systems and techniques. Potential solutions developed by the Army, other Services, and Defense agencies (for example Missile Defense Agency) to close identified gaps will be demonstrated and assessed in live and simulated CEMA environments. Assessment events will be conducted approximately every two years. Implementation of potential solutions will occur between events using system-specific funding. The proposed solutions will then be assessed at the next event after implementation.

Included in this line are funds to plan and execute periodic CEMA and Deep CEMA activities, in conjunction with Air and Missile Defense and Long-Range Cross Functional Teams to support the Army Integrated Fires system, to include other Service and other Agency radar and sensor systems as appropriate. Funding will be used to develop solutions to protect Army weapon systems from emerging and future CEMA threats such as advanced Electronic Warfare techniques, Radio Frequency-enabled cyber effects, use of photonics, etc. Efforts in this program will also develop tools for use by Army radar and sensor systems to improve overall system performance in contested environments, to include effects-based CEMA Modeling and Simulation (M&S) to assess Army CEMA concepts in Hardware-In-The-Loop (HWIL) environment. Additionally, virtual models of critical hardware and software are being developed and implemented to allow for destructive testing with advanced CEMA threats in a lab environment. There will be continual interface with intelligence communities to maintain cognizance of emerging CEMA threats and incorporate these threats in future CEMA demonstrations. These activities follow a time-phased roadmap that identifies the investments needed to improve the resiliency of Army radar and sensors, C2, and RF data and voice networks in contested CEMA environments.

Deep CEMA efforts support assessment of quantum-based hardware, development of software algorithms, and will integrate cutting-edge technology prototypes into Army weapon systems for advanced experimentation and assessment.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603327A I Air and Missile Defense Systems Engineering				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		0.000	0.000	0.000	-	0.000
Current President's Budget		13.000	30.000	0.000	-	0.000
Total Adjustments		13.000	30.000	0.000	-	0.000
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		13.000	30.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
 Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: FG9: Air and Missile Defense (AMD) Electronic Warfare						
Congressional Add: Software Memory Protection Methods				FY 2024	FY 2025	
Congressional Add: Machine Learning for Army Integrated Fires				3.000	-	
Congressional Add: Deep CEMA				10.000	-	
Congressional Add Subtotals for Project: FG9				-	30.000	
Congressional Add Totals for all Projects				13.000	30.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603327A / Air and Missile Defense Systems Engineering				Project (Number/Name) FG9 / Air and Missile Defense (AMD) Electronic Warfare			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FG9: Air and Missile Defense (AMD) Electronic Warfare	-	13.000	30.000	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this program supports Cyber and Electromagnetic Activities (CEMA) and Deep CEMA efforts to conduct realistic assessments of Army Integrated Fires performance, identify system vulnerabilities, and develop mitigations against threats across the Cyber and Electromagnetic spectrum. Army radars and sensors, integrated air and missile defense mission command and fire control, Radio Frequency (RF) data and voice networks, and Positioning, Navigation, and Timing (PNT) technology will be assessed against current and postulated threat systems and techniques. Potential solutions developed by the Army, other Services, and Defense agencies (for example Missile Defense Agency) to close identified gaps will be demonstrated and assessed in live and simulated CEMA environments. Assessment events will be conducted approximately every two years. Implementation of potential solutions will occur between events using system-specific funding. The proposed solutions will then be assessed at the next event after implementation.

Included in this line are funds to plan and execute periodic CEMA and Deep CEMA activities, in conjunction with Air and Missile Defense and Long-Range Cross Functional Teams to support the Army Integrated Fires system, to include other Service and other Agency radar and sensor systems as appropriate. Funding will be used to develop solutions to protect Army weapon systems from emerging and future CEMA threats such as advanced Electronic Warfare techniques, Radio Frequency-enabled cyber effects, use of photonics, etc. Efforts in this program will also develop tools for use by Army radar and sensor systems to improve overall system performance in contested environments, to include effects-based CEMA Modeling and Simulation (M&S) to assess Army CEMA concepts in Hardware-In-The-Loop (HWIL) environment. Additionally, virtual models of critical hardware and software are being developed and implemented to allow for destructive testing with advanced CEMA threats in a lab environment. There will be continual interface with intelligence communities to maintain cognizance of emerging CEMA threats and incorporate these threats in future CEMA demonstrations. These activities follow a time-phased roadmap that identifies the investments needed to improve the resiliency of Army radar and sensors, C2, and RF data and voice networks in contested CEMA environments.

Deep CEMA efforts support assessment of quantum-based hardware, development of software algorithms, and will integrate cutting-edge technology prototypes into Army weapon systems for advanced experimentation and assessment.

This line does not have a funding request for FY26.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025
Congressional Add: Software Memory Protection Methods	3.000	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603327A / Air and Missile Defense Systems Engineering	Project (Number/Name) FG9 / Air and Missile Defense (AMD) Electronic Warfare

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025
FY 2024 Accomplishments: - Evaluate and execute prototype implementation of software memory protection methods to reduce risk missile programs and air and missile defense systems from memory cybersecurity threat to software - memory corruption exploits - Apply attack surface reduction methodology to software supply chain, including opensource packages in use - Develop technology transition paths for software memory protection methods that align with on-going missile programs and air and defense missile systems with susceptibility		
Congressional Add: Machine Learning for Army Integrated Fires FY 2024 Accomplishments: - Design, code, and integrate Machine Learning (ML) technology into existing CEMA Detection Algorithm (CDA). - Assess applicability of ML CEMA algorithms for use in Army warfighter Training Aids, Devices, Simulator, and Simulations (TADSS). - ML will help AMD operators detect and recognize the effects of cyber, Positioning, Navigation, and Timing (PNT), and Electronic Warfare (EW) attacks.	10.000	-
Congressional Add: Deep CEMA FY 2025 Plans: -Further efforts executed under FY23 Congressional Add Machine Learning (ML) for Integrated Fires. -Design, code, and integrate additional ML and incorporate new Deep CEMA technology into existing CEMA Detection Algorithm (CDA). -Assess applicability of current and future ML CEMA algorithms for use in Army warfighter Training Aids, Devices, Simulator, and Simulations (TADSS). -Help AMD operators detect and recognize the effects of cyber, Electronic Attack (EA), Radio Frequency (RF) enabled Cyber, photonics-based, as well as physics-based crypto.	-	30.000
Congressional Adds Subtotals	13.000	30.000

C. Other Program Funding Summary (\$ in Millions) N/A
Remarks
D. Acquisition Strategy Assessment events will be conducted approximately every two years in live and simulated CEMA environments. In addition to Government planning and conduct of assessments, funding will also be provided through various contracts for subject matter expertise.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603327A / Air and Missile Defense Systems Engineering						Project (Number/Name) FG9 / Air and Missile Defense (AMD) Electronic Warfare			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Machine Learning for Integrated Fires	Various	Various : Various	10.000	10.000	Aug 2024	-		-		-		-	0.000	20.000	-
Software Memory Protection Methods	TBD	Various : Various	5.000	3.000	Aug 2024	-		-		-		-	0.000	8.000	-
Machine Learning for Deep CEMA	TBD	Various : Various	-	-		30.000	Jul 2025	-		-		-	0.000	30.000	-
Subtotal			15.000	13.000		30.000		-		-		-	0.000	58.000	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			15.000	13.000		30.000		-		-		-	0.000	58.000	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0603327A / Air and Missile Defense Systems Engineering

Project (Number/Name)

FG9 / Air and Missile Defense (AMD)
Electronic Warfare

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603327A / Air and Missile Defense Systems Engineering	Project (Number/Name) FG9 / Air and Missile Defense (AMD) Electronic Warfare	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FY21 Survivability Exercise Planning Efforts	4	2020	2	2021
FY21 Survivability Exercise	2	2021	3	2021
FY21 Survivability Exercise Analysis and Trade Studies	3	2021	1	2022
FY 21 Survivability Exercise Report and Implementation	2	2022	4	2022
Air and Missile Defense Systems Hardware Virtualization	2	2019	4	2022
Interoperability of Integrated Air and Missile Defense (Congressional Adds)	4	2018	2	2021
FY23 Survivability Exercise Planning Efforts	4	2022	2	2023
Cyber Risk Reduction IBCS	2	2023	3	2023
CEMA Tabletop and Bulnerability Assessment	3	2023	4	2023
Memory Protection Solution Analysis	1	2024	3	2025
CEMA Protection Solution Integration IBCS	2	2024	4	2025
Deep CEMA Machine Learning	4	2025	4	2026

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603619A / <i>Landmine Warfare and Barrier - Adv Dev</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	60.202	60.617	41.516	-	41.516	-	-	-	-	-	-
CE5: <i>Breaching Capability Development - Mounted</i>	-	6.871	9.830	12.633	-	12.633	-	-	-	-	-	-
EK7: <i>Area Denial Capability Development</i>	-	53.331	50.787	28.883	-	28.883	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Projects CE5 - The current mounted breaching system, the M58 Mine Clearing Line Charge (MICLIC), is a rocket-projected explosive line charge that was initially fielded over 50 years ago and is becoming increasingly less effective against modernized threat obstacles which does not support Multi-Domain Operations (MDO). This effort will focus on the development of the XM123 Ground Obstacle Breaching Lane Neutralizer (GOBLN) system, an MDO-capable modular mission payload which will provide greater effectiveness against current and emerging threat obstacles and enhanced operational reliability, supportability, mobility and survivability beyond the current state. The Program will collaborate with Transformation In Contact (TIC) units to further mature breaching technologies. The target platforms for GOBLN is the ground robotic vehicle to support the Combat Engineer mission and any future emerging requirements. GOBLN has been endorsed by the Next Generation Combat Vehicle (NGCV) Cross Functional Team (CFT) and will have the ability to integrate with current and future platforms. The modularity also allows for integration with other current and future platforms. The FY 2026 request supports continued Technology Maturation and Risk Reduction (TMRR) and a soldier touchpoint that will include a Technology Readiness Level (TRL) 6 prototype demonstration.

Project EK7 Area Denial Capability Development provides for the advanced capability development of Terrain Shaping systems and develops modernized, non-persistent U.S. Anti-personnel landmine policy compliant munition fields. During joint, multi-domain, high intensity conflicts, Terrain Shaping systems disrupt, fix, turn and block enemy freedom of maneuver while enhancing friendly freedom of maneuver within the same battle space. Terrain Shaping systems enable maneuver commanders to directly influence where battlefield engagements occur. Terrain Shaping systems will replace a portion of the Family of Scatterable Mines (FASCAM) systems which are beyond their designed life. The project will develop Terrain Shaping prototype systems to evaluate and integrate emerging technologies in collaboration with Transformation in Contact (TIC) units to further mature terrain shaping technologies in real time to drive innovation, enhance learning, refine requirements and accelerate solution development. Terrain Shaping systems will use an open system and modular architecture to facilitate future development, maintenance, repair, and product improvements to include emerging requirements such as the ground robotic vehicle to support the Combat Engineer mission. XM204 Interim Top Attack program, the first Terrain Shaping capability insertion, has entered into production with Initial Operational Capability (IOC) projected for 1QFY26 to meet United States Army Europe (USAREUR) Operational Needs (ONS) #18-22702.

The Army is developing an enduring solution to fill the directed obstacle capability gap. FY 2026 budget supports the research and development of the Terrain Shaping systems to include development of a complex obstacle employing a modernized, semiautonomous/autonomous bottom attack capability. Terrain Shaping systems will include complementary lethal capability and advanced network integration to provide a complex Terrain Shaping capability that complies with U.S. Anti-Personnel Landmine Policy and provides the commander greater speed and flexibility to transition between offensive and defensive operations. The enduring Terrain Shaping

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603619A I Landmine Warfare and Barrier - Adv Dev				
capability development supports the approved Terrain Shaping Abbreviated-Capability Development Document (A-CDD) and Army Futures Command (AFC) Terrain Shaping Strategy for Land Domain and Multi-Domain Operations (MDO).						
The FY 2026 request was reduced by \$1.107 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		47.537	58.617	28.844	-	28.844
Current President's Budget		60.202	60.617	41.516	-	41.516
Total Adjustments		12.665	2.000	12.672	-	12.672
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	2.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		14.400	-			
• SBIR/STTR Transfer		-1.735	-			
• Adjustments to Budget Years		-	-	12.672	-	12.672
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: CE5: Breaching Capability Development - Mounted						
Congressional Add: Autonomous detection, classification, and geo-location of landmines						
Congressional Add Subtotals for Project: CE5						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY 2024 changes due to the addition of Ukraine Supplemental funding to support the XM250 Top Attack development effort. FY 2025 change caused by a + \$2.000M congressional add to the XM123 Ground Obstacle Breaching Lane Neutralizer (GOBLN) development effort. FY 2026 adjustments caused by additional funding provided to the XM123 GOBLN to continue Technology Maturation efforts.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) CE5 / Breaching Capability Development - Mounted			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CE5: Breaching Capability Development - Mounted	-	6.871	9.830	12.633	-	12.633	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The current mounted breaching system, the M58 Mine Clearing Line Charge (MICLIC), is a rocket-projected explosive line charge that was initially fielded over 50 years ago and is becoming increasingly less effective against modernized threat obstacles which does not support Multi-Domain Operations (MDO). This effort will focus on the development of the XM123 Ground Obstacle Breaching Lane Neutralizer (GOBLN) system, an MDO-capable modular mission payload which will provide greater effectiveness against current and emerging threat obstacles and enhanced operational reliability, supportability, mobility and survivability beyond the current state. The Program will collaborate with Transformation In Contact (TIC) units to further mature breaching technologies. The target platform for GOBLN is the ground robotic vehicle to support the Combat Engineer mission and any future emerging requirements. GOBLN has been endorsed by the Next Generation Combat Vehicle (NGCV) Cross Functional Team (CFT) and will have the ability to integrate with current and future platforms. The modularity also allows for integration with other current and future platforms. The FY 2026 request supports continued Technology Maturation and Risk Reduction (TMRR) and a soldier touchpoint that will include a Technology Readiness Level (TRL) 6 prototype demonstration.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: XM123 Ground Obstacle Breaching Lane Neutralizer (GOBLN)									6.871	7.544	12.633	
Description: Develop the Next Generation Mounted Breaching capability to engage near-peer current and emerging threat obstacles.												
FY 2025 Plans: FY 2025 will support continued TMRR, refinement of the system baseline through further development of key subsystem enabling technologies, multiple technology maturation test events followed by a soldier touchpoint to demonstrate the baseline configuration, and requirements/Capability Development Document (CDD) development.												
FY 2026 Plans: FY 2026 will continue the industry prototyping effort to conclude with a TRL 6 prototype demonstration and continued preparation for MSB in 2Q 2027 and an EMD contract award shortly following.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding will continue supporting TMRR, subsystem contract awards, and engineering support for the new increase in program scope.												
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)									-	0.286	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603619A / <i>Landmine Warfare and Barrier - Adv Dev</i>	Project (Number/Name) CE5 / <i>Breaching Capability Development - Mounted</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Description: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638 FY 2025 to FY 2026 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638			
Accomplishments/Planned Programs Subtotals		6.871	7.830
		FY 2024	FY 2025
Congressional Add: Autonomous detection, classification, and geo-location of landmines		-	2.000
FY 2025 Plans: In preparation for touchpoint #5, this funding will be used to award multiple Other Transaction Agreements to vendors capable of demonstrating Detection and Precision Neutralization of explosive hazards.			
Congressional Adds Subtotals		-	2.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
<p>An Acquisition Decision Memorandum (ADM) was signed on 17 March 2023 formally establishing the XM123 GOBLN Program-of-Record and entry into the Technology Maturation and Risk Reduction (TMRR) phase. The goal of XM123 GOBLN's TMRR phase is to conduct experimentation with Technology Readiness Level 6 Technology capable of informing the Next Generation Explosive Breaching requirement and demonstrate a next generation solution capable of replacing the legacy MICLIC system ahead of a MS-B, planned for FY 2027. Prototype assessments will include a government-designed detection solution and multiple industry-designed solutions to be competitively selected via Other Transaction Authority (OTA) agreements and other contractual means. The XM123 GOBLN prototype design will be refined through the Engineering and Manufacturing Development (EMD) phase utilizing a competitively selected systems contractor with an expected MS-C in FY 2031. LRIP will support deliveries in FY 2032, some of which will be used for operational testing expected to occur in 3QFY2032. Initial Operational Capability (IOC) is expected in FY 2032 with Full Material Release planned for FY 2033.</p>			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) CE5 / Breaching Capability Development - Mounted					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.286		-		-		-	0.000	0.286	-
Subtotal			-	-		0.286		-		-		-	0.000	0.286	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Area Reduction Experimentation OTA	C/FFP	Various : Various	-	-		-		4.033	Jan 2026	-		4.033	Continuing	Continuing	-
TMRR Development Government	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	5.263	1.537	Oct 2023	-		3.100	Oct 2025	-		3.100	Continuing	Continuing	-
Buried Detection OTA	C/FFP	TBD : TBD	-	-		-		3.000	Mar 2026	-		3.000	Continuing	Continuing	-
Maturation of Detection & Neutralization Capability for End-to-end Demonstration	Various	Various : Various	-	-		5.753	Jul 2025	-		-		-	0.000	5.753	-
Hardware to Demonstrate Alternative Detection/ Neutralization Capabilities	SS/CPFF	IS4S : Huntsville, AL	-	1.173	Sep 2024	-		-		-		-	0.000	1.173	-
UAS Hosted Shape Charges for Mine Neutralization Demonstration	MIPR	NSWC Indian Head : Indian Head, MD	-	0.705	Jan 2024	-		-		-		-	0.000	0.705	-
Automated Direct-Indirect Mortar (ADIM) Motors	SS/CPFF	Faber Associates Inc : Clifton, NJ	-	0.077	Mar 2024	-		-		-		-	0.000	0.077	-
Subtotal			5.263	3.492		5.753		10.133		-		10.133	Continuing	Continuing	N/A

UNCLASSIFIED

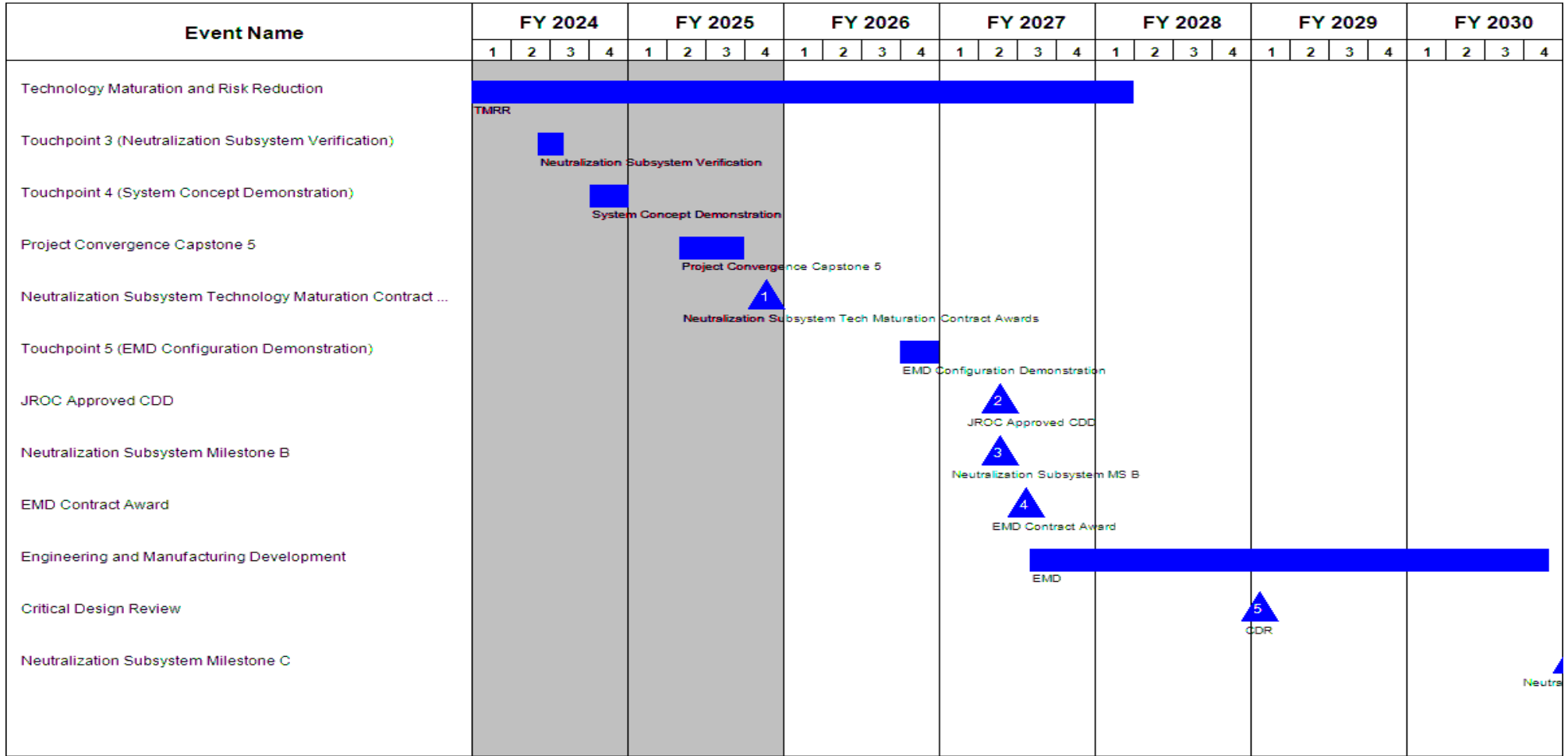
Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) CE5 / Breaching Capability Development - Mounted					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	2.200	1.000	Oct 2023	2.293	Oct 2024	1.000	Oct 2025	-		1.000	Continuing	Continuing	-
Sensor Modification and Integration	MIPR	DEVCOM C5ISR : Fort Belvoir, VA	1.728	1.035	Mar 2024	1.498	Feb 2025	-		-		-	0.000	4.261	-
Conceptual Vehicle Integration	MIPR	DEVCOM GVSC : Warren, MI	-	0.025	Mar 2024	-		-		-		-	0.000	0.025	-
Subtotal			3.928	2.060		3.791		1.000		-		1.000	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Touchpoint 5 (EMD Configuration Demonstration)	MIPR	Army Test & Evaluation Command (ATEC) : Fort Leonard Wood, MO	-	-		-		1.500	Mar 2026	-		1.500	0.000	1.500	-
Touchpoint 4 (System & Subsystem Demonstrations)	MIPR	Army Test & Evaluation Command (ATEC) : Huntsville, AL	-	0.799	Jul 2024	-		-		-		-	0.000	0.799	-
Touchpoint 3 (Subsystem Demonstration)	MIPR	Army Test & Evaluation Command (ATEC) : Yuma, AZ	-	0.520	Feb 2024	-		-		-		-	0.000	0.520	-
Subtotal			-	1.319		-		1.500		-		1.500	0.000	2.819	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			9.191	6.871		9.830		12.633		-		12.633	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army							Date: June 2025			
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev			Project (Number/Name) CE5 / Breaching Capability Development - Mounted			
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev		Project (Number/Name) CE5 / Breaching Capability Development - Mounted



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev	Project (Number/Name) CE5 / Breaching Capability Development - Mounted	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Technology Maturation and Risk Reduction	3	2021	1	2028
Touchpoint 1 (Launcher Subsystem Verification Test)	1	2023	1	2023
Material Development Decision	2	2023	2	2023
Touchpoint 2 (Sensor/Detection Subsystem Demonstration)	3	2023	3	2023
Touchpoint 3 (Neutralization Subsystem Verification)	2	2024	3	2024
Touchpoint 4 (System Concept Demonstration)	4	2024	4	2024
Project Convergence Capstone 5	2	2025	3	2025
Neutralization Subsystem Technology Maturation Contract Awards	4	2025	4	2025
Touchpoint 5 (EMD Configuration Demonstration)	4	2026	4	2026
JROC Approved CDD	2	2027	2	2027
Neutralization Subsystem Milestone B	2	2027	2	2027
EMD Contract Award	3	2027	3	2027
Engineering and Manufacturing Development	3	2027	4	2030
Critical Design Review	1	2029	1	2029
Neutralization Subsystem Milestone C	1	2031	1	2031
LRIP Contract	2	2031	2	2032
Operational Testing	3	2032	1	2033

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) EK7 / Area Denial Capability Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EK7: Area Denial Capability Development	-	53.331	50.787	28.883	-	28.883	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project EK7 funding supports the development of the new materiel solution to the terrain shaping requirement as a result of the termination of the XM250 top attack development effort in February 2025.

A. Mission Description and Budget Item Justification

Project EK7 Area Denial Capability Development provides for the advanced capability development of Terrain Shaping systems and develops modernized, non-persistent U.S. Anti-personnel landmine policy compliant munition fields. During joint, multi-domain, high intensity conflicts, Terrain Shaping systems disrupt, fix, turn and block enemy freedom of maneuver while enhancing friendly freedom of maneuver within the same battle space. Terrain Shaping systems enable maneuver commanders to directly influence where battlefield engagements occur. Terrain Shaping systems will replace a portion of the Family of Scatterable Mines (FASCAM) systems which are beyond their designed life. The project will develop Terrain Shaping prototype systems to evaluate and integrate emerging technologies in collaboration with Transformation in Contact (TIC) units to further mature terrain shaping technologies in real time to drive innovation, enhance learning, refine requirements and accelerate solution development. Terrain Shaping systems will use an open system and modular architecture to facilitate future development, maintenance, repair, and product improvements to include emerging requirements such as the ground robotic vehicle to support the Combat Engineer mission. XM204 Interim Top Attack program, the first Terrain Shaping capability insertion, has entered into production with Initial Operational Capability (IOC) projected for 1QFY26 to meet United States Army Europe (USAREUR) Operational Needs (ONS) #18-22702.

The Army is developing an enduring solution to fill the directed obstacle capability gap. FY 2026 budget supports the research and development of the Terrain Shaping systems to include development of a complex obstacle employing a modernized, semiautonomous/autonomous bottom attack capability. Terrain Shaping systems will include complementary lethal capability and advanced network integration to provide a complex Terrain Shaping capability that complies with U.S. Anti-Personnel Landmine Policy and provides the commander greater speed and flexibility to transition between offensive and defensive operations. The enduring Terrain Shaping capability development supports the approved Terrain Shaping Abbreviated-Capability Development Document (A-CDD) and Army Futures Command (AFC) Terrain Shaping Strategy for Land Domain and Multi-Domain Operations (MDO).

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Terrain Shaping Capability	-	1.462	28.883
Description: Develop, build, and demonstrate the Terrain Shaping solution common munition system to support the approved Terrain Shaping Abbreviated-Capability Development Document (A-CDD) and Army Futures Command (AFC) Terrain Shaping Strategy for Land Domain and Multi-Domain Operations (MDO).			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev	Project (Number/Name) EK7 / Area Denial Capability Development		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Prototype effort to seek and evaluate terrain shaping solutions in the areas of C5ISR, target effectors, robotic emplacement and recovery, and obstacle planner and management.				
FY 2026 Plans: Award multiple prototyping contract awards to broaden technology participation at planned touch point demonstrations. Conduct touch point demonstration events to inform AFC requirement and conduct leverage modeling and simulation and technology cost benefit tradeoff analysis. The demonstrations and follow-on analysis is expected to inform the FY26 Terrain Shaping solution Acquisition Shaping Panel decision points.				
FY 2025 to FY 2026 Increase/Decrease Statement: Continue development of new materiel solution for the terrain shaping requirement.				
Title: XM250 Terrain Shaping Obstacles Capability Development Description: Develop, build, and demonstrate the XM250 Terrain Shaping common munition system. Demonstrate system in an operationally relevant environment.		53.331	47.472	-
FY 2025 Plans: Develop the XM250 Top Attack system which includes a Dispenser Launched Module containing four sensor-fuzed Top Attack submunitions, a Nett Warrior based Remote Control Station, an Obstacle Planning Tool, and a Safety Device during third year of Middle Tier of Acquisition (MTA) Rapid Prototyping (RP) program. Facilitate the XM250 Top Attack MTA RP program's orderly shutdown following Army decision to terminate as a result of the emergence of new technologies and lessons learned from the Ukraine-Russia War.				
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 will focus on the development of the new Terrain Shaping Capability.				
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638		-	1.853	-
FY 2025 to FY 2026 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638				
Accomplishments/Planned Programs Subtotals		53.331	50.787	28.883

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) EK7 / Area Denial Capability Development			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• E76741: MUNITION DISPENSING MODULE, NETWORKED TOP ATTACK,	-	-	-	-	-	-	-	-	-		
Remarks											
D. Acquisition Strategy											
<p>The Terrain Shaping A-CDD Update is expected to be approved by AFC in 4QFY25 to maximize innovation and explore a broader range of terrain shaping solutions. The update will revise Desired Characteristics to include both kinetic and non-kinetic terrain shaping technologies and effectively open the acquisition trade space. The Army is rapidly developing advanced terrain shaping solutions by leveraging mature industry technologies. The approach focuses on rapidly demonstrating and evaluating mature, readily available technologies for integration into a comprehensive system, speeding up prototyping and fielding to meet evolving demands of the battlefield. An open, modular architecture will ensure adaptability, simplified maintenance, and continuous improvement for future battlefield challenges. In FY26, the intent is to award multiple prototype awards to broaden technology participation at planned touch point demonstrations to inform Acquisition Shaping Panel pathway decision.</p>											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) EK7 / Area Denial Capability Development					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PM Close Combat Systems : Picatinny Arsenal, NJ	4.303	-		0.387	Dec 2024	0.880	Dec 2025	-		0.880	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	Various : Various	-	-		1.853		-		-		-	0.000	1.853	-
Subtotal			4.303	-		2.240		0.880		-		0.880	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CTSO INC 1 XM250 Rapid Prototype Development	C/CPFF	Textron Defense Systems : Wilmington, MA	45.455	35.623	Nov 2023	-		-		-		-	0.000	81.078	-
Terrain Shaping Capability	MIPR	TBD : TBD	-	-		-		19.339	Nov 2025	-		19.339	Continuing	Continuing	-
XM250 Termination Costs	Various	Various : Various	-	1.475	Sep 2025	17.400	Sep 2025	-		-		-	0.000	18.875	-
Reprogrammed to 0603619A/CE5	Allot	Various : Various	-	3.000	Jun 2025	12.500	Jun 2025	-		-		-	0.000	15.500	-
Excess	TBD	TBD : TBD	-	-		15.719	Jun 2025	-		-		-	0.000	15.719	-
Subtotal			45.455	40.098		45.619		19.339		-		19.339	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVCOM Armaments Center Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	43.452	8.542	Dec 2023	1.018	Jul 2025	2.832	Oct 2025	-		2.832	Continuing	Continuing	-
DEVCOM Data Analysis Center	MIPR	DEVCOM-DAC : Aberdeen Proving Ground, MD	2.836	0.467	Dec 2023	0.426	Jul 2025	0.943	Oct 2025	-		0.943	Continuing	Continuing	-

UNCLASSIFIED

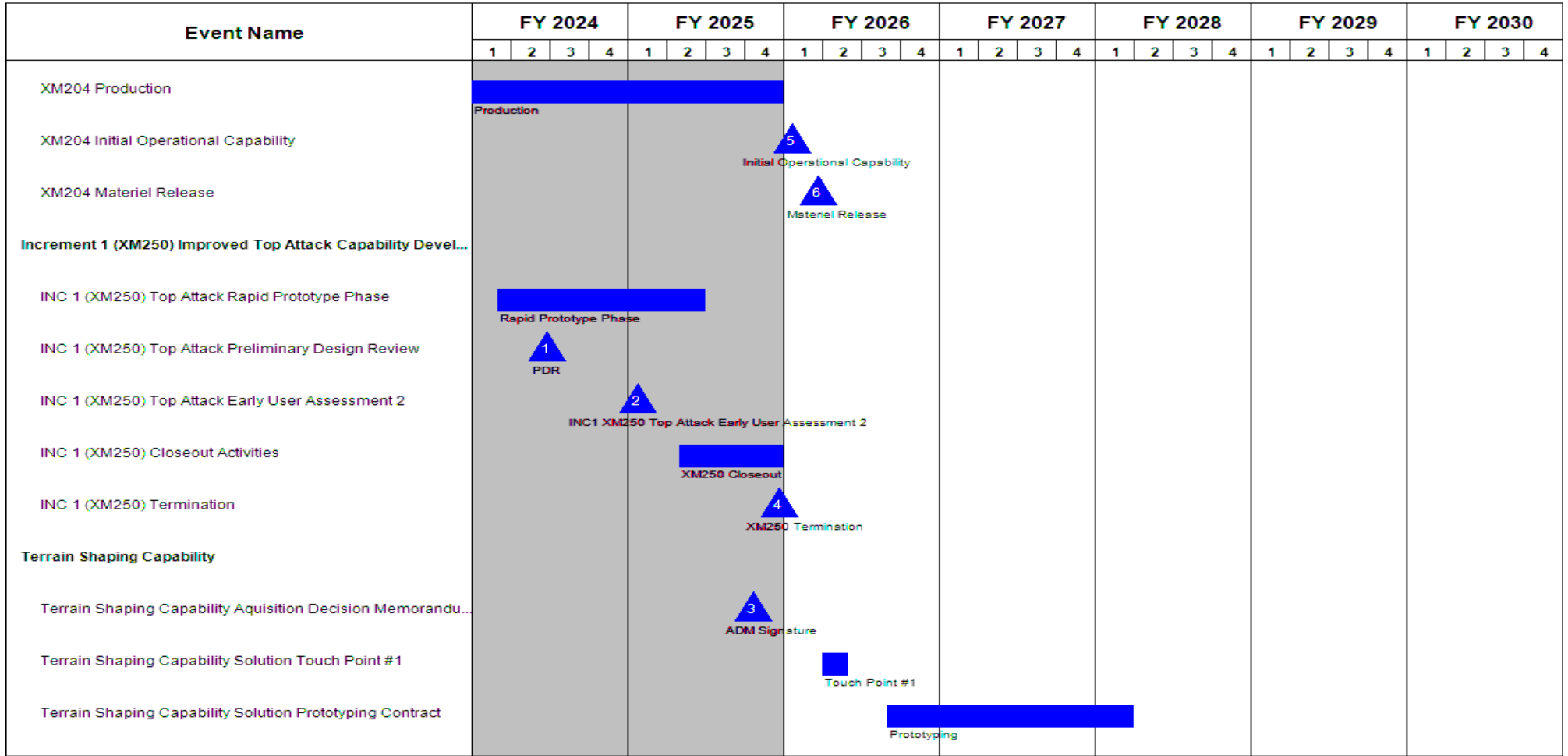
Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev				Project (Number/Name) EK7 / Area Denial Capability Development					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Development of Network and RF	MIPR	C5ISR Aberdeen Proving Ground : Aberdeen, MD	0.609	-		0.142	Jul 2025	0.142	Oct 2025	-		0.142	Continuing	Continuing	-
Program Support	SS/FFP	Booz Allen Hamilton : Picatinny Arsenal, NJ	8.540	2.309	May 2024	0.200	Jul 2025	0.843	Mar 2026	-		0.843	Continuing	Continuing	-
Mitre Engineering Support (C4)	FFRDC	Mitre : McLean, VA	3.818	0.086	Aug 2024	-		-		-		-	0.000	3.904	-
DEVCOM Army Research Laboratory Engineering Support	MIPR	DEVCOM Army Research Laboratory : Adelphi, MD	2.544	0.314	Dec 2023	-		-		-		-	0.000	2.858	-
NETT Warrior Support	MIPR	NETT Warrior : Ft. Belvoir, VA	-	0.470	Apr 2024	-		-		-		-	0.000	0.470	-
DEVCOM C5ISR	MIPR	DEVCOM C5ISR : Picatinny Arsenal, NJ	-	0.740	Mar 2024	-		-		-		-	0.000	0.740	-
Subtotal			61.799	12.928		1.786		4.760		-		4.760	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Terrain Shaping Capability Touch Point Test & Evaluation	MIPR	Yuma Test Center (YTC) : Yuma, AZ	-	-		1.142	Aug 2025	3.904	Jun 2026	-		3.904	Continuing	Continuing	-
XM250 Modeling and Simulation	MIPR	Armament Software Engineering Center (ASEC) : Picatinny Arsenal, Picatinny, NJ	-	0.143	Apr 2024	-		-		-		-	0.000	0.143	-
XM250 Test and Evaluation	MIPR	Army Evaluation Center (AEC) :	-	0.028	Jun 2024	-		-		-		-	0.000	0.028	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev						Project (Number/Name) EK7 / Area Denial Capability Development			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Aberdeen Proving Grounds, MD													
XM250 Test Support	MIPR	Yuma Test Center (YTC) : Yuma, AZ	-	0.134	Aug 2024	-		-		-		-	0.000	0.134	-
Subtotal			-	0.305		1.142		3.904		-		3.904	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			111.557	53.331		50.787		28.883		-		28.883	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev		Project (Number/Name) EK7 / Area Denial Capability Development



UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0603619A / Landmine Warfare and Barrier - Adv Dev		EK7 / Area Denial Capability Development	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Terrain Shaping Capability Solution Touch Point #2													<div></div> <div>Touch Point #2</div>															
Terrain Shaping Capability Solution ASP Decision Point													<div>7</div> <div>ASP Decision Point</div>															
Terrain Shaping Capability Solution Prototype Awards													<div>8</div> <div>Prototype Awards</div>															

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603619A / Landmine Warfare and Barrier - Adv Dev	Project (Number/Name) EK7 / Area Denial Capability Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
XM204 Production	4	2022	4	2025
XM204 Initial Operational Capability	1	2026	1	2026
XM204 Materiel Release	1	2026	1	2026
TSO Future Capability Evaluation	2	2020	4	2021
TSO Development of Alternative Methods of Defeat	2	2020	4	2021
Increment 1 (XM250) Improved Top Attack Capability Development	1	2023	4	2027
INC 1 (XM250) Top Attack Rapid Prototype Decision	2	2022	2	2022
INC 1 (XM250) Top Attack Rapid Prototype Phase	1	2023	2	2025
INC 1 (XM250) Top Attack Early User Assessment 1	4	2023	4	2023
INC 1 (XM250) Top Attack Preliminary Design Review	2	2024	2	2024
INC 1 (XM250) Top Attack Early User Assessment 2	1	2025	1	2025
INC 1 (XM250) Closeout Activities	2	2025	4	2025
INC 1 (XM250) Termination	4	2025	4	2025
Terrain Shaping Capability	3	2025	2	2030
Terrain Shaping Capability Aquisition Decision Memorandum (ADM) Signature	4	2025	4	2025
Terrain Shaping Capability Solution Touch Point #1	2	2026	2	2026
Terrain Shaping Capability Solution Prototyping Contract	3	2026	1	2028
Terrain Shaping Capability Solution Touch Point #2	1	2027	2	2027
Terrain Shaping Capability Solution ASP Decision Point	3	2027	3	2027
Terrain Shaping Capability Solution Prototype Awards	2	2028	2	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	90.139	102.027	85.472	-	85.472	-	-	-	-	-	-
CD8: Long Range Precision Munition (LRPM)	-	20.171	31.742	-	-	-	-	-	-	-	-	-
DK5: Conventional Artillery Modernization	-	-	1.000	1.155	-	1.155	-	-	-	-	-	-
DK7: 155mm Artillery Propulsion Mod - Adv Component Dev	-	-	-	10.341	-	10.341	-	-	-	-	-	-
DL5: 155mm Extended Range Artillery Munitions	-	-	-	44.866	-	44.866	-	-	-	-	-	-
DN7: Mobile Long Range Precision Strike Pgm (M-LRPSM)	-	-	-	5.956	-	5.956	-	-	-	-	-	-
EC3: Ammunition Logistics Prototyping	-	1.823	1.935	1.931	-	1.931	-	-	-	-	-	-
FA5: Assured Precision Weapons and Munitions	-	51.069	48.096	21.223	-	21.223	-	-	-	-	-	-
FG1: Cannon-Delivered Area Effects Munitions (C-DAEM)	-	-	19.072	-	-	-	-	-	-	-	-	-
XT5: 30mm Anti-Personnel and Counter UAS	-	17.076	0.182	-	-	-	-	-	-	-	-	-
Note Project DK7 / 155mm Artillery Propulsion Modernization - Adv Component Dev is a realignment in FY 2026, funding was realigned from PE 0604802A / Weapons and Munitions - Eng Dev Project BQ3 / 155mm Artillery Propulsion XM654. Project DL5 / 155mm Extended Range Artillery Munitions is a realignment in FY 2026, and funding was realigned within PE 0603639A: Tank and Medium Caliber Ammunition: from Project FG1/Cannon-Delivered Area Effects (C-DAEM) to Project DL5/155mm Extended Range Artillery Munitions to continue supporting the development of a 155mm system of systems. This is not a New Start in FY 2026. Project DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM) is not a New Start in FY 2026 due to receipt of FY 2024 OMNIBUS funding.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	
Project FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM) is a realignment in FY 2026 and has no FY 2026 budget request. Funding was realigned within PE 0603639A: Tank and Medium Caliber Ammunition: from Project FG1/Cannon-Delivered Area Effects (C-DAEM) to Project DL5/155mm Extended Range Artillery Munitions to continue supporting the development of a 155mm system of systems.		
A. Mission Description and Budget Item Justification		
A portion of this funding line is directly aligned to each Future Vertical Lift (FVL) and Assured Positioning, Navigation, & Timing (APNT) Army Modernization Priorities. The Tank and Medium Caliber Ammunition Program Element encompasses a comprehensive program to develop, rapidly transition to production, and field advanced weapons and munitions for small, medium and large caliber munitions, tank ammunition, mortar ammunition, cannon artillery ammunition, and close combat system items. These Projects will ensure continued battlefield overmatch and lethality of United States maneuver forces against the full range of modern battlefield threats. To achieve this, Tank and Medium Caliber Ammunition projects will identify and develop promising technologies through competitive development and streamlined acquisition procedures.		
Project CD8 - Long Range Precision Munition (LRPM) is the lethal variant of the Launched Effects (LE) Family of Systems which provide a range of capabilities through variations of platforms, payloads, and mission systems. LE provides tactical and operational flexibility through collaboration of heterogeneous groups of LE launched from multiple domains (land and air) in conjunction with other manned platforms, C2, unmanned systems, and sensors throughout the operational environment. The ability to interoperate and coordinate with other LE systems at long ranges and adapt to changing threats is a core concept of the Launched Effects Abbreviated Capability Development Document validated in June 2024. Primary target set for LRPM is Integrated Air Defense Systems. LRPM will provide Army Aviation and Ground Forces with a precise long range munition system to rapidly respond in a combat environment to improve the lethality and stand-off of Warfighters and aviation platforms in an Anti-Access Area Denial (A2AD) and positioning, navigation, and timing (PNT) denied environment.		
FY 2026 funding for LRPM transferred to PE 0609345A/Project A46.		
Project DK5 - The 155 millimeter (mm) High Explosive Conventional Artillery Modernization Project is focused on the design and development of common artillery projectiles capable of accurate delivery of multiple payloads to deliver the Army's Field Artillery operational efficiencies. These efforts will provide the Army's Field Artillery lethal and nonlethal area effects at ranges relevant and decisive to the Division fight. The Modular Artillery for Combat Effectiveness (MACE) line of effort will develop lethal area effects. The Extended Range (ER) Cargo line of effort will develop lethal and non-lethal areas effects at the longer ranges necessary to enable transformation in contact. The Army requires versatile, affordable, sustainable, and enduring projectiles capable of rendering a variety of lethal and non-lethal effects necessary to disable and destroy a broad set of targets within multiple threat formations. This Project is executing an evolutionary approach to ensure a common projectile can support multiple cargo capabilities, including lethal, Radio Frequency (RF) obscuration, visible obscuration, Intelligence, Surveillance, and Reconnaissance (ISR), Infra-red (IR) illumination, visible illumination, electronic attack, Terrain Shaping Obstacles, and future cargo capabilities. Fiscal Year (FY) 2026 funding will support the technical assessments, system development, prototypes and integration, concept studies, component testing, technology maturation, and engineering evaluations in support of the Army's Field Artillery Cannon Transformation Strategy.		
Project DK7 - 155mm Artillery Propulsion Modernization (Advanced Component Development) supports the United States Army's Cannon Transformation Strategy and develops and improves three propulsion systems components: (1) modular charge that achieves minimum to intermediate ranges, (2) super charge that achieves maximum range and (3) percussion primer that initiates both the modular and super charges. Development efforts also include the design of packaging solutions (for		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0603639A I Tank and Medium Caliber Ammunition	
<p>protection during transportation and long-term storage), digital engineering, test measurement devices and modeling and simulation tools. Design emphasis will be placed upon Joint Ballistic Memorandum of Understanding (JBMOU) compatibility to maximize interoperability with foreign allies and ensuring that the components support manufacturability within the national technology and industrial base (NTIB) that includes Australia, Canada, UK and US. The Fiscal Year (FY) 2026 funding will support prototyping and testing of propelling charge and ignition components to advance technology for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.</p>		
<p>Project DL5 - 155mm Extended Range Artillery Munitions: The Extended Range Artillery Munitions (ERAM) Project supports the development of a 155mm system of systems that includes projectile, propellant, primer, fuze, and fuze setter which will deliver lethality and range overmatch in 155mm artillery weapon systems at more than double the current range from legacy artillery cannons and will be compatible with future 155mm artillery systems in a Global Positioning System (GPS) degraded and denied environments. The ERAM development effort is part of an organic Long Range Precision Fires capability, which will provide overmatching cannon artillery range capability at both Tactical and Operational Fires range by shaping the nature of the close fight through seeking moving and imprecisely located targets at extended ranges, increase range capability of the current 39 caliber cannon fleet and will also be compatible with future 52 caliber and above artillery weapon systems. Fiscal Year (FY) 2026 funding will support technology maturation and risk reduction of key system and subsystems improvements in performance in difficult use cases, and integration of the tactical warhead and seeker culminating in a series of Design Verification Testing (DVT) to achieve Technology Readiness Level (TRL) six (6) maturity.</p>		
<p>Project DN7 - The Mobile-Long Range Precision Strike Missile (M-LRPSM) is an approved Directed Requirement (DR). It must defeat Tier 1 thru Tier 3 Armor (stationary & defilade) Troops, Field Fortifications & Urban structures, and achieve a range of greater than 25 KM. It will be transportable by existing Infantry Brigade Combat Teams (IBCT) Light Tactical Vehicle platforms. It has the ability to adjust the missile flight, retarget, and abort, and have multiple missile launch capability. It must be survivable and resilient in denied and degraded environments.</p>		
<p>Project EC3 - Ammunition Logistics Prototyping: This project supports the future force by improving the distribution, management, reliability, and survivability of ammunition through the advanced development, integration, and demonstration of logistics system enablers supporting the Design of Army 2040. These enablers will improve the efficiency and effectiveness of ammunition operations, to include retrograde, while reducing the logistics footprint on the battlefield. Technology areas addressed include handling, distribution, management (strategic and tactical), prognostics, diagnostics, asset visibility, explosives safety, autonomous friendly packaging and palletization. The efficient deployment and sustainment of reliable ammunition is vital to success on the battlefield. This project enhances the operational effectiveness of the ammunition logistics system to ensure the distribution of reliable ammunition to the Warfighter.</p>		
<p>Project FA5 - The Assured Precision Weapons and Munitions (APWM) - FA5 Project is focused on advanced risk mitigation, technology integration, prototyping, and product support to identify, evaluate, mature, test, and demonstrate various assured precision and countermeasure prototype technologies in Weapon and Munitions (W&M) components and subsystems within a complex System-of-Systems (SoS) environment. The APWM Project reinforces the National Defense Strategy's (NDS) major lines of effort through technology development and prototyping, which increases lethality and ensures future combat overmatch success of the Joint Force against peer/near-peer adversaries. This project also aims to improve program performance and affordability for multiple W&M Programs of Record (PoRs) via Joint Lethality Positioning, Navigation and Timing (PNT), layered Navigation Warfare (NavWar) and Electronic Warfare (EW) converged munition delivered effects, and Army M-Code Global Positioning System (GPS) coordinated efforts. The APWM Project directly supports the top Army Modernization Priorities via the All-Domain Sensing (ADS) and</p>		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>		R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>
<p>Long-Range Precision Fires (LRPF) imperatives in support of the NDS and multiple Public Law related Congressional imperatives. Funding will support engagement by W&M PNT experts in the development, evaluation, and technology maturation/delivery activities of the US Space Force's (USSF) M-Code GPS, Army's PNT related programs, and ADS Cross-Functional Team (CFT) programs in support of LRPF and Counter Anti- Access/Area Denial (A2/AD) missions. Funding will also enable component and subsystem architecture input essential for Precision W&M operating in a contested NavWar and EW SoS environment, Army M-Code GPS technology integration and evaluation, planning and evaluating next generation M-Code GPS to validate capability for future Joint precision munitions, and maturation of alternative PNT and NavWar related technologies and solutions to enable informed PoR milestone and Army cross-functional modernization decisions.</p> <p>Project FG1 - The Cannon Delivered Area Effects Munitions (C-DAEM) Budget Activity Four (BA4) Project supports the development efforts of the XM1155 projectile, which transitioned in FY 2025 from Budget Activity Three (BA3) PE 0603464A / Long Range Precision Fires Advanced Technology Project BO8 Long Range Precision Fires Advanced Tech), will deliver lethality and range overmatch in 155mm artillery weapon systems at more than double the current range from legacy artillery cannons and will be compatible in future 155MM artillery systems in a Global Positioning System (GPS) degraded and denied environments. The XM1155 projectile, developed as part of an organic Long Range Precision Fires capability, will provide overmatching cannon artillery range capability at both Tactical and Operational Fires range by shaping the nature of the close fight through seeking moving and imprecisely located targets at extended ranges, will increase range capability of the current 39 caliber cannon fleet and will also be compatible with future 52 caliber and above artillery weapon systems. This project does not have a FY 2026 budget request.</p> <p>Project XT5 - 30mm Anti-Personnel and Counter Unmanned Aerial Systems (UAS): Airburst capability is identified as a threshold Key System Attribute (KSA) in Apache Block 3 Capability Production Document (CPD) - Approved 14 June 2017 and other cannon caliber Operational Needs Statements (ONS) and Capability Development Documents (CDD). The Anti-Personnel and Counter Unmanned Aerial Systems (UAS) munition provides increased lethality through airburst effects against personnel, small boats, and small Unmanned Aerial Systems (UAS) without requiring modification to the platform.</p> <p>The FY 2026 request for Tank and Medium Caliber Ammunition includes \$85,472 thousand of discretionary and \$100,000 thousand of mandatory (reconciliation) for a total of \$185,472 thousand.</p> <p>The mandatory funds \$15,000 thousand supports technical assessments, system development, prototypes and integration, concept studies, component testing, technology maturation, and engineering evaluations in support of the Army's Field Artillery Cannon Transformation Strategy.</p> <p>The mandatory funds \$15,000 thousand support prototyping and testing of propelling charge and ignition components to advance technology for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.</p> <p>The mandatory funds \$40,000 thousand funding will support development and testing, utilizing a Middle Tier Acquisition approach, of key system and subsystems, improvements in performance in difficult use cases, and integration of the tactical warhead and seeker culminating in a series of Design Verification Testing (DVT) to achieve Technology Readiness Level (TRL) six (6) maturity.</p> <p>The mandatory funds \$20,000 thousand will Influence Next Gen MGUE development to ensure PGM needs and requirements are met with the USSF Next Gen MGUE. Evaluate the Next Gen MGUE using the DoD-selected representative Joint precision munition to verify and validate PGM needs and requirements are met by Next Gen MGUE. Directly addresses PL 111-383 aka FY11 NDAA Section 913: Jan 11 (M-Code Mandate), PL 115-232 aka FY19 NDAA Section 1609: Aug 18 (MGUE Inc2 must support Galileo and QZSS), DODI 4650.08: Dec 18 (DOD NavWar Compliance), MGUE Inc2 PGM TRD: Oct 19, AltNav DR: Nov 19, FY21 NDAA Section 1611 (Resilient and Survivable PNT).</p> <p>The mandatory funds \$10,000 thousand will provide developmental engineering, product improvements, integration support for the M-LRPSM system in FY 2026.</p>		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603639A I Tank and Medium Caliber Ammunition				
Further information for this reconciliation request is provided in Section 20004 (Munitions & Supply Chain) of the Reconciliation Exhibit.						
The FY 2026 request was reduced by \$0.342 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		91.323	116.027	106.947	-	106.947
Current President's Budget		90.139	102.027	85.472	-	85.472
Total Adjustments		-1.184	-14.000	-21.475	-	-21.475
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-2.000	-15.000			
• Congressional Rescissions		-	-			
• Congressional Adds		22.000	1.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-17.924	-			
• SBIR/STTR Transfer		-3.260	-			
• Adjustments to Budget Years		-	-	-21.475	-	-21.475
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: DK5: Conventional Artillery Modernization						
Congressional Add: 155mm boosted payload carrier						
Congressional Add Subtotals for Project: DK5						
Project: FA5: Assured Precision Weapons and Munitions						
Congressional Add: AltNav Capabilities						
Congressional Add Subtotals for Project: FA5						
Project: XT5: 30mm Anti-Personnel and Counter UAS						
Congressional Add: 30mm Proximity Ammunition Qualification for AH-64						
Congressional Add Subtotals for Project: XT5						
Congressional Add Totals for all Projects						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	
<p>Change Summary Explanation</p> <p>Decrease in FY 2026 funding from the previous PB to the current PB due to Project CD8: Long Range Precision Munition (LRPM) realignment to Program Element (PE) 0609345A (Unmanned Aerial Systems Launched Effects Agile Systems Development) / Project A46 (Long Range Precision Munition (LRPM)) as a part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.</p>		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) CD8 / Long Range Precision Munition (LRPM)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CD8: Long Range Precision Munition (LRPM)	-	20.171	31.742	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Long Range Precision Munition (LRPM) is the lethal variant of the Launched Effects (LE) Family of Systems which provide a range of capabilities through variations of platforms, payloads, and mission systems. LE provides tactical and operational flexibility through collaboration of heterogeneous groups of LE launched from multiple domains (land and air) in conjunction with other manned platforms, C2, unmanned systems, and sensors throughout the operational environment. The ability to interoperate and coordinate with other LE systems at long ranges and adapt to changing threats is a core concept of the Launched Effects Abbreviated Capability Development Document validated in June 2024. Primary target set for LRPM is Integrated Air Defense Systems. LRPM will provide Army Aviation and Ground Forces with a precise long range munition system to rapidly respond in a combat environment to improve the lethality and stand-off of Warfighters and aviation platforms in an Anti-Access Area Denial (A2AD) and positioning, navigation, and timing (PNT) denied environment.

FY 2026 funding for LRPM transferred to PE 0609345A/Project A46.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Long Range Precision Munition	20.171	30.583	-
Description: This line funds the integration and qualification of a LE munition system that will engage and deliver lethal effects on targets at ranges beyond line of sight. The LRPM Middle Tier of Acquisition (MTA) Rapid Prototyping (RP) effort includes demonstration and qualification of a precision guided munition with the capability to complete the assigned mission in cyber-attack, countermeasures, and anti-access area denial environments. These efforts will include technical assessments, technology maturation, test and evaluation, demonstration of prototype hardware, system and platform integration, and document preparation for associated contract and acquisition efforts.			
FY 2025 Plans: Mature design and Modeling and Simulation and continue Prototype development. Vendor(s) deliverable(s) to include design, Modeling and Simulation, prototyping, technology studies, design and development, testing, and technical evaluations leading to a design review with vendor(s).			
FY 2025 to FY 2026 Increase/Decrease Statement: The FY 2025 to FY 2026 decrease is due to the transfer of FY 2026 funding for LRPM to PE 0609345A/Project A46.			
Title: SBIR/STTR Transfer	-	1.159	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>	Project (Number/Name) CD8 / <i>Long Range Precision Munition (LRPM)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Description: Funding transferred in accordance with Title 15 USC §638. FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638. FY 2025 to FY 2026 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.			
Accomplishments/Planned Programs Subtotals		20.171	31.742
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
<p>Previously, LRPM was structured to develop a lethal capability under the Army Aviation Weapons, Sub-Systems, and Munitions Initial Capability Document, validated in July 2018, to operated under the ecosystem as described in the Future Attack Reconnaissance Aircraft (FARA) Abbreviated Capabilities Development Document (FARA A-CDD). In FY 2024, the U.S. Army aligned LRPM under the Launched Effects (LE) Family of Systems. The LRPM program was approved by the Army Acquisition Executive for a Middle Tier of Acquisition (MTA) Rapid Prototyping (RP) pathway on 9 July 2024.</p> <p>An award of an U.S. Army Combat Capabilities Development Command Aviation and Missile Center (DEVCOM AvMC) Small Business Innovative Research (SBIR) Phase III contract in July 2024 enables integration of U.S. Army developed software into the LRPM selected air vehicle, development and integration of LRPM specific components, procurement of fully configured prototype test assets, test and qualification support, and associated deliverables including engineering drawings and test reports. Annual funding will be awarded as necessary to complete the qualification and air worthiness test series as required in the MTA RP effort.</p>			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) CD8 / Long Range Precision Munition (LRPM)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering/ Program Management	Various	Various Performers : Various	-	1.456	Nov 2023	3.921	Nov 2024	-		-		-	0.000	5.377	Continuing
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		1.159		-		-		-	0.000	1.159	-
Subtotal			-	1.456		5.080		-		-		-	0.000	6.536	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Development Maturation, Prototypes, and Integration	Various	Multiple : Multiple	-	14.694	Aug 2024	18.199	Jan 2025	-		-		-	0.000	32.893	Continuing
LRPM Other Government Agency	MIPR	CCDC Redstone Arsenal, AL : Various	-	2.545	Nov 2023	1.452	Nov 2024	-		-		-	0.000	3.997	Continuing
Engineering and Technical Support	Various	Various : Redstone Arsenal, Alabama	-	1.476	Jan 2024	0.702	Jan 2025	-		-		-	0.000	2.178	Continuing
Subtotal			-	18.715		20.353		-		-		-	0.000	39.068	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Qualification Test	TBD	Various : Various	-	-		6.309		-		-		-	0.000	6.309	-
Subtotal			-	-		6.309		-		-		-	0.000	6.309	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	20.171		31.742		-		-		-	0.000	51.913	N/A
Remarks															

UNCLASSIFIED

PE 0603639A: *Tank and Medium Caliber Ammunition*
Army

Volume 2a - 57

R-1 Program Element (Number/Name)
PE 0603639A / *Tank and Medium Caliber*
Ammunition

Project (Number/Name)
CD8 / Long Range Precision Munition
(LRPM)

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) CD8 / Long Range Precision Munition (LRPM)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MTA Rapid Prototyping	4	2024	4	2025
System Development, Maturation, Prototypes, and Integration	2	2024	4	2025
MTA RP SBIR Contract Award	4	2024	4	2024

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DK5 / Conventional Artillery Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DK5: Conventional Artillery Modernization	-	-	1.000	1.155	-	1.155	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The 155 millimeter (mm) High Explosive Conventional Artillery Modernization Project is focused on the design and development of common artillery projectiles capable of accurate delivery of multiple payloads to deliver the Army's Field Artillery operational efficiencies. These efforts will provide the Army's Field Artillery lethal and nonlethal area effects at ranges relevant and decisive to the Division fight. The Modular Artillery for Combat Effectiveness (MACE) line of effort will develop lethal area effects. The Extended Range (ER) Cargo line of effort will develop lethal and non-lethal areas effects at the longer ranges necessary to enable transformation in contact. The Army requires versatile, affordable, sustainable, and enduring projectiles capable of rendering a variety of lethal and non-lethal effects necessary to disable and destroy a broad set of targets within multiple threat formations. This Project is executing an evolutionary approach to ensure a common projectile can support multiple cargo capabilities, including lethal, Radio Frequency (RF) obscuration, visible obscuration, Intelligence, Surveillance, and Reconnaissance (ISR), Infra-red (IR) illumination, visible illumination, electronic attack, Terrain Shaping Obstacles, and future cargo capabilities. Fiscal Year (FY) 2026 funding will support the technical assessments, system development, prototypes and integration, concept studies, component testing, technology maturation, and engineering evaluations in support of the Army's Field Artillery Cannon Transformation Strategy.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: 155mm Modular Artillery for Combat Effectiveness (MACE)									-	-	1.000	
Description: This line funds the demonstration, development, and validation of 155 millimeter (mm) Conventional Artillery lethal cargo ammunition. These development efforts will include the design, prototyping, and evaluation of artillery projectiles that deliver cargo.												
FY 2026 Plans:												
Vendors to provide deliverable(s) that develop technical feasibility, while supporting transition to preliminary design.												
FY 2025 to FY 2026 Increase/Decrease Statement:												
FY 2026 funding increase attributed to supporting the transition to preliminary design as well as developing technical feasibility of 155mm Conventional Artillery lethal cargo ammunition.												
Title: 155mm Extended Range Cargo									-	-	0.155	
Description: This line funds the demonstration, development, and validation of 155 millimeter (mm) Conventional Artillery lethal and nonlethal cargo ammunition extended ranges. These development efforts will include the design, prototyping, and evaluation of artillery projectiles that deliver cargo.												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>	Project (Number/Name) DK5 / <i>Conventional Artillery Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 Plans: Vendors to provide deliverable(s) that develop technical feasibility through modeling and simulation, while supporting transition to preliminary design.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase attributed to supporting the transition to preliminary design as well as developing technical feasibility of 155mm Conventional Artillery non-lethal cargo ammunition.			
Accomplishments/Planned Programs Subtotals		-	1.155
		FY 2024	FY 2025
Congressional Add: 155mm boosted payload carrier		-	1.000
FY 2025 Plans: Funding will be used for prototyping, component testing, contract support, and engineering evaluations.			
Congressional Adds Subtotals		-	1.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The 155mm Conventional Artillery Modernization project will use various contract types such as initial Department of Defense (DoD) Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) initiative(s), Federal Acquisition Regulations(s) (FAR), OTAs, and Government Agreements to prototype and evaluate projectile alternatives while assessing cargo options as system solutions. The project will integrate more capable payloads over time as technology matures and becomes available for system qualification.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) DK5 / Conventional Artillery Modernization			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management - MACE / ER Cargo	Various	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	-	-		-		0.055	Oct 2025	-		0.055	0.000	0.055	-
Subtotal			-	-		-		0.055		-		0.055	0.000	0.055	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Projectile Prototyping - MACE	MIPR	DoD Ordnance Technology Consortium Other Transaction Agreement (DOTC OTA) : Various	-	-		-		0.500	Nov 2025	-		0.500	0.000	0.500	-
Projectile Components - MACE	TBD	TBD : TBD	-	-		-		0.250	Dec 2025	-		0.250	0.000	0.250	-
Projectile Prototypes / Components - 155mm boosted payload carrier	TBD	General Dynamics : TBD	-	-		0.750	Jul 2025	-		-		-	0.000	0.750	-
Subtotal			-	-		0.750		0.750		-		0.750	0.000	1.500	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support - MACE / ER Cargo	MIPR	Combat Capabilities Development Command Armaments Center	-	-		-		0.250	Oct 2025	-		0.250	0.000	0.250	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) DK5 / Conventional Artillery Modernization			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		(DEVCOM AC) : Picatinny Arsenal, NJ													
Engineering Support - 155mm boosted payload carrier	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		0.150	Jul 2025	-		-		-	0.000	0.150	-
Subtotal			-	-		0.150		0.250		-		0.250	0.000	0.400	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Extended Range Testing - MACE	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	-	-		-		0.100	Mar 2026	-		0.100	0.000	0.100	-
Extended Range Testing - 155mm boosted payload carrier	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	-	-		0.100	Jul 2025	-		-		-	0.000	0.100	-
Subtotal			-	-		0.100		0.100		-		0.100	0.000	0.200	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		1.000		1.155		-		1.155	0.000	2.155	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) DK5 / Conventional Artillery Modernization

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Conventional Artillery Modernization																												
System Development, Maturation, Prototypes, and Integration																												
System Development, Maturation, Prototypes, and Integration																												
Integrated Product Support - Program Management																												
Integrated Product Support - Program Management																												
MACE																												
Explosive Loading																												
Explosive Loading																												
Cannister Prototyping																												
Cannister Prototyping																												
Payload Integration																												
Payload Integration																												
ER Cargo																												
Obscuration Phase I																												
ER Cargo - Obscuration Phase I																												
Obscuration Phase II																												
ER Cargo - Obscuration Phase II																												
ER Cargo - Obscuration Phase II																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DK5 / Conventional Artillery Modernization	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Conventional Artillery Modernization	1	2026	4	2031
System Development, Maturation, Prototypes, and Integration	1	2025	4	2031
Integrated Product Support - Program Management	1	2025	4	2031
MACE	1	2026	4	2031
Explosive Loading	1	2026	4	2028
Cannister Prototyping	1	2026	4	2028
Payload Integration	4	2026	4	2031
ER Cargo	1	2027	4	2031
Obscuration Phase I	4	2026	4	2029
Obscuration Phase II	1	2029	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DK7: 155mm Artillery Propulsion Mod - Adv Component Dev	-	-	-	10.341	-	10.341	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

155mm Artillery Propulsion Modernization (Advanced Component Development) supports the United States Army's Cannon Transformation Strategy and develops and improves three propulsion systems components: (1) modular charge that achieves minimum to intermediate ranges, (2) super charge that achieves maximum range and (3) percussion primer that initiates both the modular and super charges. Development efforts also include the design of packaging solutions (for protection during transportation and long-term storage), digital engineering, test measurement devices and modeling and simulation tools. Design emphasis will be placed upon Joint Ballistic Memorandum of Understanding (JBMOU) compatibility to maximize interoperability with foreign allies and ensuring that the components support manufacturability within the National Technology and Industrial Base (NTIB) that includes Australia, Canada, UK and US. The Fiscal Year (FY) 2026 funding will support prototyping and testing of propelling charge and ignition components to advance technology for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: 155mm Artillery Propulsion Modernization - Advanced Component Development	-	-	10.341
Description: Development and improvement of components for three 155mm propulsion systems: (1) modular charge, (2) super charge and (3) percussion primer including packaging solutions, digital engineering, test measurement devices and modeling and simulation tools.			
FY 2026 Plans: In FY 2026, funding will support prototyping and testing of propelling charge and ignition components to advance technology for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to 155mm Artillery Propulsion Mod - System Demonstration being a realignment effort, supporting prototyping and testing of propelling charge and ignition systems.			
Accomplishments/Planned Programs Subtotals	-	-	10.341

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev	

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• DK8: 155mm Artillery Propulsion Mod - Sys Demonstration	-	-	11.687	-	11.687	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The propulsion components under development and improvement for three 155mm propulsion systems: (1) modular charge, (2) super charge and (3) percussion primer including packaging solutions, digital engineering, test measurement devices and modeling and simulation tools. The development and improvement efforts will utilize several competitively awarded Defense Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) initiatives for the technology development and integration, component-level design and manufacturing, assembly of components, and support overarching engineering and program management efforts. These system-buy contracts will allow for verification of sub- and system-level maturation through engineering design and testing processes to reduce overall risk to development of propulsion systems.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	MIPR	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	-	-		-		0.211	Oct 2025	-		0.211	0.000	0.211	-
Subtotal			-	-		-		0.211		-		0.211	0.000	0.211	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Combustible Case Components	MIPR	DoD Ordnance Technology Consortium (DOTC): Armtec : Coachella, CA	-	-		-		0.750	Jan 2026	-		0.750	0.000	0.750	-
Main Charge Propellants	TBD	To Be Determined : TBD	-	-		-		2.000	Jan 2026	-		2.000	0.000	2.000	-
Packaging	TBD	DoD Ordnance Technology Consortium (DOTC):Savit Corporation : Rockaway, NJ	-	-		-		1.000	Jan 2026	-		1.000	0.000	1.000	-
Main Load Assemble & Pack	TBD	To Be Determined : TBD	-	-		-		1.000	Jan 2026	-		1.000	0.000	1.000	-
Propellant Risk Reduction	MIPR	Various : Various	-	-		-		1.248	Oct 2025	-		1.248	0.000	1.248	-
Projectile and Fuze Hardware	Various	Various : Various	-	-		-		0.500	Jan 2026	-		0.500	0.000	0.500	-
Subtotal			-	-		-		6.498		-		6.498	0.000	6.498	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		-		2.632	Oct 2025	-		2.632	0.000	2.632	-
Subtotal			-	-		-		2.632		-		2.632	0.000	2.632	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Testing	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	-	-		-		1.000	Oct 2025	-		1.000	0.000	1.000	-
Subtotal			-	-		-		1.000		-		1.000	0.000	1.000	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		10.341		-		10.341	0.000	10.341	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
155mm Artillery Propulsion Mod - Adv Component Dev																												
SPH-M Mobile Tactical Cannon (MTC) Competitive Evaluation																												
SPH-M MTC Soldier Experimentation & Integration Testing																												
Army Senior Leaders Downselect Final MTC Solution(s)																												
Component Engineering Design & Testing (JBMOU 52-caliber)																												
Preliminary Design Review of Propelling Charge and Ignit...																												
Critical Design Review of Propelling Charge and Ignition...																												
Integration, Validation & Risk Reduction Testing																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DK7 / 155mm Artillery Propulsion Mod - Adv Component Dev	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
155mm Artillery Propulsion Mod - Adv Component Dev	1	2026	4	2028
SPH-M Mobile Tactical Cannon (MTC) Competitive Evaluation	1	2026	4	2026
SPH-M MTC Soldier Experimentation & Integration Testing	1	2027	4	2027
Army Senior Leaders Downselect Final MTC Solution(s)	4	2027	4	2027
Component Engineering Design & Testing (JBMOU 52-caliber)	1	2026	3	2027
Preliminary Design Review of Propelling Charge and Ignition System	3	2026	3	2026
Critical Design Review of Propelling Charge and Ignition System	4	2027	4	2027
Integration, Validation & Risk Reduction Testing	4	2027	4	2028

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DL5 / 155mm Extended Range Artillery Munitions			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DL5: 155mm Extended Range Artillery Munitions	-	-	-	44.866	-	44.866	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project DL5 / 155mm Extended Range Artillery Munitions is a realignment in FY 2026, with funding realigned within PE 0603639A: Tank and Medium Caliber Ammunition from Project FG1 / Cannon-Delivered Area Effects (C-DAEM) to Project DL5 / 155mm Extended Range Artillery Munitions to continue development of a 155mm system of systems. This is not a New Start in FY 2026.

A. Mission Description and Budget Item Justification

The Extended Range Artillery Munitions (ERAM) Project supports the development of a 155mm system of systems that includes projectile, propellant, primer, fuze, and fuze setter which will deliver lethality and range overmatch in 155mm artillery weapon systems at more than double the current range from legacy artillery cannons and will be compatible with future 155mm artillery systems in Global Positioning System (GPS) degraded and denied environments. The ERAM development effort is part of an organic Long Range Precision Fires capability, which will provide overmatching cannon artillery range capability at both Tactical and Operational Fires range by shaping the nature of the close fight through seeking moving and imprecisely located targets at extended ranges, increase range capability of the current 39 caliber cannon fleet and will also be compatible with future 52 caliber and above artillery weapon systems. Fiscal Year (FY) 2026 funding will support technology maturation and risk reduction of key system and subsystems, improvements in performance in difficult use cases, and integration of the tactical warhead and seeker supporting a series of Design Verification Testing (DVT) to achieve Technology Readiness Level (TRL) six (6) maturity.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Extended Range Artillery Munitions	-	-	44.866
Description: The Extended Range Artillery Munitions (ERAM) Project supports the development of a 155mm system of systems that includes projectile, propellant, primer, fuze, and fuze setter which will deliver lethality and range overmatch in 155mm artillery weapon systems at more than double the current range from legacy artillery cannons and will be compatible with future 155mm artillery systems in a Global Positioning System (GPS) degraded and denied environments.			
FY 2026 Plans: Fiscal Year (FY) 2026 funding will support technology maturation and risk reduction of key system and subsystems, improvements in performance in difficult use cases, and integration of the tactical warhead and seeker supporting a series of Design Verification Testing (DVT) to achieve Technology Readiness Level (TRL) six (6) maturity.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>				Project (Number/Name) DL5 / <i>155mm Extended Range Artillery Munitions</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 funding increase due to increase in contract costs associated with Extended Range Artillery Munitions Technology Maturation and Risk Reduction efforts as well as the realignment of efforts within Program Element 0603639A, Tank and Medium Caliber Ammunition, from Project FG1 / Cannon-Delivered Area Effects Munitions to Project DL5 / 155mm Extended Range Artillery Munitions in FY 2026.												
Accomplishments/Planned Programs Subtotals										-	-	44.866
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• FG1: <i>Cannon-Delivered Area Effects Munitions (C-DAEM)</i>	-	19.072	-	-	-	-	-	-	-	-	-	
• DL6: <i>155mm Extended Range Artillery Projectile</i>	-	-	-	-	-	-	-	-	-			
Remarks												
This Project is not a New Start in FY 2026. 155mm Extended Range Artillery Munitions Rapid Prototyping efforts will transition from Program Element 0603639A, Tank and Medium Caliber Ammunition, Project FG1, Cannon-Delivered Area Effects Munitions in FY 2026. Budget Activity 5 (BA5) Program Element 0604802A, Weapons and Munitions Engineering Development, Project DL6, 155mm Extended Range Artillery Projectile, has been established to support Engineering Manufacturing and Development efforts.												
D. Acquisition Strategy												
The ERAP development program will utilize the Middle Tier Acquisition (MTA) Rapid Prototyping Pathway and Other Transaction Authority (OTA) contracting vehicles to execute design, development, and maturation efforts. The U.S. Government is currently evaluating contractor submissions to identify opportunities to accelerate the schedule and maintain competition to a Technology Readiness Level (TRL) 6 demonstration event. This contracting vehicle will allow a down select between the technical candidates and ensure completion of the demonstration of the candidate technical solution.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DL5 / 155mm Extended Range Artillery Munitions					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Transaction Authority (OTA) Contract Awards	MIPR	Other Transaction Authority (OTA) Contracting Vehicles : Picatinny Arsenal, NJ	-	-		-		32.493	Oct 2025	-		32.493	0.000	32.493	-
Subtotal			-	-		-		32.493		-		32.493	0.000	32.493	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command (DEVCOM) Armaments Center : Picatinny Arsenal, NJ	-	-		-		7.393	Oct 2025	-		7.393	0.000	7.393	-
Subtotal			-	-		-		7.393		-		7.393	0.000	7.393	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Testing & Evaluation	MIPR	Yuma Proving Ground : Yuma, AZ	-	-		-		4.980	Dec 2025	-		4.980	0.000	4.980	-
Subtotal			-	-		-		4.980		-		4.980	0.000	4.980	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		44.866		-		44.866	0.000	44.866	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) DL5 / 155mm Extended Range Artillery Munitions	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Rapid Prototyping Phase									Rapid Prototyping																			
Technical Design Review									1 TDR																			
Technology Readiness Level (TRL) 6 Demonstration / Design...									2 TRL 6 Demo / (DVT)																			

Note
DVT = Design Verification Testing

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DL5 / 155mm Extended Range Artillery Munitions	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Rapid Prototyping Phase	1	2026	4	2030
Technical Design Review	4	2026	4	2026
Technology Readiness Level (TRL) 6 Demonstration / Design Verification Testing (DVT)	2	2027	2	2027

Note
This Project is not a New Start in FY 2026. 155mm Extended Range Artillery Munitions Rapid Prototyping efforts will transition from Program Element 0603639A, Tank and Medium Caliber Ammunition, Project FG1, Cannon-Delivered Area Effects Munitions in FY 2026.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DN7: Mobile Long Range Precision Strike Pgm (M-LRPSM)	-	-	-	5.956	-	5.956	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DN7: The Mobile-Long Range Precision Strike Missile (M-LRPSM) is an approved Directed Requirement (DR). It must defeat Tier 1 thru Tier 3 Armor (stationary & defilade) Troops, Field Fortifications & Urban structures, and achieve a range of greater than 25 KM. It will be transportable by existing Infantry Brigade Combat Teams (IBCT) Light Tactical Vehicle platforms. It has the ability to adjust the missile flight, retarget, and abort, and have multiple missile launch capability. It must be survivable and resilient in denied and degraded environments.

The FY 2026 request for M-LRPSM includes \$5,956 thousand of discretionary and \$10,000 thousand of mandatory (reconciliation) for a total of \$15,956 thousand. The mandatory funds will provide developmental engineering, product improvements, integration support for the M-LRPSM system in FY 2026. Further information for this reconciliation request is provided in Section 20004 Munitions & Supply Chain of the Reconciliation Exhibit.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Title: M-LRPSM Development and Integration Description: FY2026 continues to support prototype manufacturing, integration, and test for M-LRPSM. FY 2026 Plans: Product improvements based on continuous soldier involvement in the development and fielding of the M-LRPSM. FY 2025 to FY 2026 Increase/Decrease Statement: The increase in funding represents initiation of product improvement and engineering efforts following initial prototype evaluation in FY2025.	-	-	5.956
Accomplishments/Planned Programs Subtotals	-	-	5.956

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM)

D. Acquisition Strategy

The Research, Development, Test, and Evaluation (RDTE) funding will initiate the development and integration of product improvements identified by the Warfighter during testing and fielding of potential M-LRPSM capabilities. Potential solutions will be identified and evaluated to fulfil the M-LRPSM capability and will be down-selected to one solution to be procured. Product Improvement efforts will be conducted in partnership with Combat Capabilities Development Command, Aviation and Missile Center (CCDC AvMC) and vendor engineering teams.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM)			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SEPM	MIPR	PEO Missiles & Space : Redstone Arsenal, AL	-	-		-		1.744	Oct 2025	-		1.744	0.000	1.744	-
Subtotal			-	-		-		1.744		-		1.744	0.000	1.744	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototype Manufacturing	TBD	TBD : TBD	-	-		-		2.983	Apr 2026	-		2.983	0.000	2.983	-
Subtotal			-	-		-		2.983		-		2.983	0.000	2.983	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Test and Eval	MIPR	CCDC AvMC : Redstone Arsenal, AL	-	-		-		1.229	Oct 2025	-		1.229	0.000	1.229	-
Subtotal			-	-		-		1.229		-		1.229	0.000	1.229	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		5.956		-		5.956	0.000	5.956	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM)

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
System Test and Eval																												
Prototype Manufacturing																												
Prototype Manufacturing																												
System Test and Eval																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) DN7 / Mobile Long Range Precision Strike Pgm (M-LRPSM)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
System Test and Eval	3	2025	4	2025
Prototype Manufacturing	1	2025	4	2025
Prototype Manufacturing	1	2026	1	2027
System Test and Eval	4	2026	2	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) EC3 / Ammunition Logistics Prototyping			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EC3: Ammunition Logistics Prototyping	-	1.823	1.935	1.931	-	1.931	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the future force by improving the distribution, management, reliability, and survivability of ammunition through the advanced development, integration, and demonstration of logistics system enablers supporting the Design of Army 2040. These enablers will improve the efficiency and effectiveness of ammunition operations, to include retrograde, while reducing the logistics footprint on the battlefield. Technology areas addressed include handling, distribution, management (strategic and tactical), prognostics, diagnostics, asset visibility, explosives safety, autonomous friendly packaging, and palletization. The efficient deployment and sustainment of reliable ammunition is vital to success on the battlefield. This project enhances the operational effectiveness of the ammunition logistics system to ensure the distribution of reliable ammunition to the Warfighter.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Munitions Health and Inventory Monitoring Systems	0.957	1.535	-
Description: Project has transitioned to: "Munitions Distribution Management and Inventory Monitoring Systems".			
FY 2025 Plans: Develop and mature prototype munitions monitoring systems to track inventory within the maneuver formations to ensure ammunition posture is synchronized with the battlefield commander's intent. Key prototype attributes are precise ground truth of all ammunition issued from the Ammunition Storage Areas and handed off to the sustainment formations, monitor munition environmental exposure, and system architecture that maintains all relevant information within the associated data fabric. Information collected such as temperature, humidity, shock, and vibration will be used to adjust the ballistic kernel parameters to improve Control Entry Point (CEP) for any future fire mission. One or more Soldier touch points will be staged to evaluate early prototypes to assess maneuver performance improvements in support of projectiles, associated propellant, fuzes, and any other ammunition components. As the prototypes are evaluated, integration plans will be developed with other ammunition management technologies leveraging existing Systems of Record such as the Command Post Computing Environment, Joint Battle Command - Platform, Paladin Digital Fire Control System, and Advanced Field Artillery Tactical Data System.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease reflects the Army's Concept for Sustainment 2028 and Cross Functional Team (CFT) priorities related to the modernization of ammunition distribution management and inventory monitoring systems linking data from tactical to			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) EC3 / Ammunition Logistics Prototyping		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
enterprise Programs of Record (PoR). FY26 funding will be allocated to the new title, "Munitions Distribution Management and Inventory Monitoring Systems".				
<p>Title: Munitions Containerization Systems</p> <p>Description: For each family of munition containers, optimize prototype container systems for automation compatibility, combat unit load quantity, sustainability/recyclability, explosives safety, environmental protection, load reconfiguration, unitization, and standardized interfaces. This will improve ammunition distribution efficiency while minimizing environmental and operational impacts.</p> <p>FY 2025 Plans: Develop and mature a prototype ammunition consolidator selected through an early Soldier touch point suitable for providing protection to all field artillery ammunition items as they are transported by tactical wheeled vehicle organic to the Forward Support Company and Ammunition Sections within the maneuver formations. The selected consolidator will be compliant with the emerging inventory/environmental sensor concepts under development elsewhere within the JPEO A&A portfolio and incorporate automation friendly features. Prototype consolidator concepts will supplement potential inner-packaging components and stress low cost, lightweight and interoperability with future manual and automated weapon and sustainment systems with ammunition items under development by PMs as the primary goal.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease reflects alignment with packaging technology modernization roadmap. Ammunition logistics efforts related to packaging will be matured to early prototype concepts. Continued technical maturation of the concepts will be done in collaboration with the Program Offices managing individual items. FY 2026 funding will be allocated to the new title, "Munitions Distribution Management and Inventory Monitoring Systems".</p>		0.866	0.400	-
<p>Title: Munitions Distribution Management and Inventory Monitoring Systems</p> <p>Description: Knowledge of munitions type, quantity, and location are critical to Army lethality and combat readiness at all echelons. Prototyping initiatives align with CFTs across Contested Logistics, Long Range Precision Fires, Next Generation Combat Vehicle (NGCV), Solider Lethality (SL), and the Multi-Domain Operations (MDO) modernization objectives that consume, store, and transport/distribute munitions and munition components in the maneuver and sustainment formations. Prototyping is digitizing and automating the theater ammunition distribution process directly addressing the need for real-time combat lethality readiness and risk assessment across units and echelon supporting sustained combat lethality overmatch at the tactical edge. Prototyping supports frequent soldier integrated evaluation events identifying transformation in contact opportunities for rapid proliferation to the force.</p> <p>FY 2026 Plans:</p>		-	-	1.931

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>	Project (Number/Name) EC3 / <i>Ammunition Logistics Prototyping</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Conduct prototyping and risk reduction activities of theater-wide adaptive ammunition stockage objective planning, distribution support, and ammunition load and storage optimization tools. Establish data products and tools within the Army Data Catalog informing architecture, integration and implementation guidance for applications that support Setting and Sustaining the Theater for Ammunition. Continue to prototype and demonstrate solutions needed within the force structure for enabling setting and sustaining the theater for ammunition enterprise mission to include AFATDS/AXS, Paladin Digital Fire Control System, Tactical Data Platform and Mounted Mission Command to ensure interoperability and compliance with evolving data messaging standards and communication protocols.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 funding increase reflects Army's Concept for Sustainment 2028 and CFT priorities related to the modernization of ammunition distribution management and inventory monitoring systems linking data from tactical to enterprise Programs of Record.</p>			
Accomplishments/Planned Programs Subtotals		1.823	1.935
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
<p>Funding will be used to further mature munition health monitoring devices in accordance with the needs of the relevant PMs. However, the preponderance of the funding will be used to directly to support Long Range Precision Fire (LRPF) munition health monitoring requirements throughout its resupply process. Specifically, the funding will be used to address munition health monitoring and packaging/preservation of munitions within the tactical movement of large caliber ammunition.</p>			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) EC3 / Ammunition Logistics Prototyping					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Munitions Health Monitoring System (CAT)	C/FFP	Cybernet : Ann Arbor, MI	0.267	0.461	Jan 2024	0.265	Jan 2024	-		-		-	0.000	0.993	-
Advanced Munitions Health Monitoring System (PLS)	TBD	CR Tactical : Pittsburgh, PA	-	0.432	Jan 2024	0.270	Jan 2024	-		-		-	0.000	0.702	-
Lightweight Steel Container	TBD	SAVIT : Rockaway, NJ	-	0.300	Nov 2023	-		-		-		-	0.000	0.300	-
Advanced Munitions Inventory Tracking	TBD	TBD : TBD	-	-		0.700	Nov 2024	-		-		-	0.000	0.700	-
Standardization of Software System Architecture (UDRA)	TBD	TBD: Various : TBD: Various	-	-		-		0.400	Dec 2025	-		0.400	Continuing	Continuing	Continuing
Maturation and Integration of TAMMS and SST-A Enablers	TBD	TBD; Various : TBD; Various	-	-		-		0.850	Dec 2025	-		0.850	Continuing	Continuing	Continuing
Subtotal			0.267	1.193		1.235		1.250		-		1.250	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVCOM Armaments Center	MIPR	Picatinny Arsenal : NJ	6.800	0.630	Nov 2023	0.700	Nov 2023	0.681	Dec 2025	-		0.681	Continuing	Continuing	Continuing
Subtotal			6.800	0.630		0.700		0.681		-		0.681	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			7.067	1.823		1.935		1.931		-		1.931	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) EC3 / Ammunition Logistics Prototyping	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Tactical Munitions Health Monitoring System																												
Large Caliber Automation Friendly Packaging																												
Advanced Munitions Health Monitoring System (CAT)																												
Advanced Munitions Health Monitoring System (PLS)																												
Lightweight Steel Container																												
Advanced Munitions Inventory Tracking																												
Standardization of software system architecture (UDRA)																												
Maturation and Integration of TAMMS & SST-A enablers																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>	Project (Number/Name) EC3 / <i>Ammunition Logistics Prototyping</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Advanced Concept Development-Munitions Containerization-1A	1	2020	4	2021
Advanced Concept Development-Munitions Health Monitoring-3	3	2017	4	2020
Tactical Munitions Health Monitoring System	1	2022	4	2024
Large Caliber Automation Friendly Packaging	1	2023	4	2024
Advanced Munitions Health Monitoring System (CAT)	2	2024	4	2024
Advanced Munitions Health Monitoring System (PLS)	2	2024	4	2024
Lightweight Steel Container	1	2024	4	2025
Advanced Munitions Inventory Tracking	1	2025	4	2026
Standardization of software system architecture (UDRA)	1	2026	4	2027
Maturation and Integration of TAMMS & SST-A enablers	1	2026	4	2028

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) FA5 / Assured Precision Weapons and Munitions			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FA5: Assured Precision Weapons and Munitions	-	51.069	48.096	21.223	-	21.223	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Assured Precision Weapons and Munitions (APWM) - FA5 Project is focused on advanced risk mitigation, technology integration, prototyping, and product support to identify, evaluate, mature, test, and demonstrate various assured precision and countermeasure prototype technologies in Weapon and Munitions (W&M) components and subsystems within a complex System-of-Systems (SoS) environment. The APWM Project reinforces the National Defense Strategy's (NDS) major lines of effort through technology development and prototyping, which increases lethality and ensures future combat overmatch success of the Joint Force against peer/near-peer adversaries. This project also aims to improve program performance and affordability for multiple W&M Programs of Record (PoRs) via Joint Lethality Positioning, Navigation and Timing (PNT), layered Navigation Warfare (NavWar) and Electronic Warfare (EW) converged munition delivered effects, and Army M-Code Global Positioning System (GPS) coordinated efforts. The APWM Project directly supports the top Army Modernization Priorities via the All-Domain Sensing (ADS) and Long Range Precision Fires (LRPF) imperatives in support of the NDS and multiple Public Law related Congressional imperatives. Funding will support engagement by W&M PNT experts in the development, evaluation, and technology maturation/delivery activities of the US Space Force's (USSF) M-Code GPS, Army's PNT related programs, and ADS Cross-Functional Team (CFT) programs in support of LRPF and Counter Anti- Access/Area Denial (A2/AD) missions. Funding will also enable component and subsystem architecture input essential for Precision W&M operating in a contested NavWar and EW SoS environment, Army M-Code GPS technology integration and evaluation, planning and evaluating next generation M-Code GPS to validate capability for future Joint precision munitions, and maturation of alternative PNT and NavWar related technologies and solutions to enable informed PoR milestone and Army cross-functional modernization decisions.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: APWM Integrated Product Support - Joint Lethality PNT and Navigation Warfare (NavWar) SME Working Integrated Product Team (WIPT) & Program Management	3.548	4.089	4.100
Description: Provide APWM technical Subject Matter Expertise (SME) and support the coordination and collaboration of PNT and NavWar (including Electronic Warfare) related initiatives across the Joint Lethality community to enhance efficiency and accelerate capability. Provide overall APWM Project Program Management support.			
FY 2025 Plans: Provides overall Project Program Management support for 643639A-FA5. The JL SMEs will continue to provide technical expertise and support to the Joint oversight board for APWM by coordinating with and supporting the development and technology delivery activities of the Joint W&M community, to include PNT modernization and NavWar related programs, participation in design reviews, evaluation and formal feedback on technology and systems requirements and performance, component and subsystem architecture input essential for precision W&M operating in a Joint SoS multi-domain environment. Specific support			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) FA5 / Assured Precision Weapons and Munitions		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
focus includes prototyping and evaluation planning for Military GPS User Equipment (MGUE) Increment 2 (Inc2), resilient and survivable PNT technology maturation and Joint Fires standardization, NavWar dependencies and Joint proposed NavWar prototyping initiatives, and direct participation in new technology areas, such as PGM Software Defined Receivers (SDRx). FY 2026 Plans: Provides overall Project Program Management support for 643639A-FA5. The JL SMEs will continue to provide technical expertise and support to the Joint PNT and NavWar IPT by coordinating with and supporting the development and technology delivery activities of the Joint W&M community, to include PNT modernization, NavWar, and Electronic Warfare (EW) related initiatives, participation in design reviews, evaluation and formal feedback on technology and systems requirements and performance, and component and subsystem architecture input essential for precision W&M operating in a Joint SoS multi-domain environment. Specific support focus includes prototyping and evaluation planning for MGUE Inc2, resilient and survivable multisource PNT technology maturation, Joint Fires standardization, NavWar dependencies and Joint proposed NavWar and EW prototyping initiatives. Continued emphasis on commonality and leveraging of efforts to include proliferation and capability enhancements on PGM Software Defined solutions. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to the ongoing ADS CFT and USSFs MGUE program efforts, maturing NavWar initiatives, a new focus on combined NavWar and EW, increasing complexity of Multi-Domain Operations (MDOs) impacting collaborative efforts, and increased stakeholder participation for the JL community.				
Title: Army APNT (incl M-Code) and NavWar Technology Integration and Evaluation Description: Provide technical assessment, coordination, and engineering support related to the development, prototyping, integration, and evaluation of USSF's MGUE technology deliverables across all Army W&Ms, including participation in design reviews, testing, evaluation, and formal feedback on technology, component-level, card-level, sub-system-level, and systems-level requirements and performance. Reduce risk, support, and inform M-Code GPS related Army cross-functional modernization decisions for W&M operating in a peer/near threat SoS environment, as well as identifying complementary PNT and NavWar related solutions when M-Code GPS is not solely sufficient to enable Combat Overmatch. Directly addresses PL 111-383 aka FY11 National Defense Authorization Act (NDAA) Section 913: Jan 11 (M-Code Mandate), PL 115-232 aka FY19 NDAA Section 1609: Aug 18 (MGUE Inc2 must support Galileo and QZSS), DODI 4650.08: Dec 18 (DoD NavWar Compliance), MGUE Inc2 Precision Guided Munition (PGM) Technical Requirements Document (TRD): Oct 19, Alternative Navigation (AltNav) Directed Requirement (DR): Nov 19, FY21 NDAA Section 1611 (Resilient and Survivable PNT), NavWar Situational Awareness (SA) Army Capability Development Document (A-CDD) approved Mar 21, NavWar Electronic Attack (EA) A-CDD approved Sep 22). FY 2025 Plans:		11.602	13.357	13.554

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>		Project (Number/Name) FA5 / <i>Assured Precision Weapons and Munitions</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Continue to support design reviews, experimentation, prototyping, testing, evaluation, and risk reduction of Army M-Code Inc2, AltNav, and NavWar by in-house Government activities and Other Transaction Authority (OTA) / Indefinite Delivery/Indefinite Quantity (IDIQ) contract efforts. Maintains an Army APNT and NavWar W&Ms IPT working directly with the APNT/S CFT, multiple Program Executive Offices, and Army Capability Managers. Facilitate W&M APNT and NavWar experimentation in PNT Assessment (PNTAX) and Capstone type events to inform Concept of Operations (CONOPS) and requirement generation processes.					
FY 2026 Plans: Continue to support design reviews, experimentation, prototyping, testing, evaluation, and risk reduction of Army M-Code Inc2, AltNav, and NavWar by in-house Government activities and OTA contract efforts. Maintain an Army APNT and NavWar W&Ms IPT working directly with the ADS CFT, multiple PEOs, and ACMs. Facilitate W&M APNT and NavWar experimentation in All-domain Persistent Experiment (APEX) and Capstone type events to inform CONOPS and requirement generation processes.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to anticipated updates in requirements and focus with the CFT changing from APNT and Space to a more encompassing focus of ADS supporting converged effects across domains.					
Title: MGUE Inc2 for JROC-directed PGM Lead Platform			16.561	19.336	-
Description: Influence Next Gen MGUE development to ensure PGM needs and requirements are met with the USSF Next Gen MGUE. Evaluate the Next Gen MGUE using the DoD-selected representative Joint precision munition to verify and validate PGM needs and requirements are met by Next Gen MGUE. Directly addresses PL 111-383 aka FY11 NDAA Section 913: Jan 11 (M-Code Mandate), PL 115-232 aka FY19 NDAA Section 1609: Aug 18 (MGUE Inc2 must support Galileo and QZSS), DODI 4650.08: Dec 18 (DOD NavWar Compliance), MGUE Inc2 PGM TRD: Oct 19, AltNav DR: Nov 19, FY21 NDAA Section 1611 (Resilient and Survivable PNT).					
FY 2025 Plans: Work directly with USSF and M-Code Inc2 GPS prime vendors to prototype PGM firmware and software solutions for the Inc2 ASIC and ancillary supporting electronics. Begin PGM M-Code Inc2 Application Specific Integrated Circuit (ASIC) integration onto CCAs. Continue virtually prototyping Joint Requirements Oversight Council (JROC) -directed representative PGM Lead Platform design modifications to accept USSF M-Code Inc2 prototype technology for Next Gen ASIC verification and validation ensuring PGM PNT-related needs and requirements are met by MGUE Inc2. Begin detailed verification and validation planning with the Joint Fires stakeholder community and USSF.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>		Project (Number/Name) FA5 / <i>Assured Precision Weapons and Munitions</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
FY 2026 funding decreased due to funds being moved to RMUN					
Title: Next Generation NavWar Tech Phase 1			3.058	1.339	-
Description: Continue prototyping NavWar technologies across W&Ms needed to continue to dominate the PNT battlespace. Will leverage prior Army and Joint Services S&T, previous integrated demonstration events, information on threat and adversary PNT advancement, and lessons learned to rapidly develop, integrate, prototype, and transition critical NavWar technologies. Prototyping will transition to new Fuze Setter functions, Munition Deployed NavWar (MDN) upgrades, and hardening of APNT systems to counter new threats and control adversaries PNT access.					
FY 2025 Plans: Complete and evaluate NavWar attack, sense, countermeasure, and SA technologies through controlled experiments to inform component prototyping of integrated dual mode multi-mission payloads and associated Fires C2 application prototyping.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to close out resulting from prototyping initiatives being completed in FY 2025. Results of prototyping transitioned to multiple Army Capability Managers across Electronic Warfare (EW), Space and High Altitude (SHA), and Fires to inform transition strategies into PoRs and refine next generation requirements for converged and layered enhanced effects against adversary targets. Informs refinement in Fires payload development supporting multi-domain converged effects for enhanced lethality and informing and shaping multi-PEO and DASA R&T initiative. This includes SoS capability for Electro-Magnetic Battlespace Shaping and Protection involving new Fuze Setter functions, Munition Deployed Electronic Warfare and NAVWAR upgrades, and hardening of APNT systems to Counter new threats, and control adversaries PNT access delivering incremental EW and lethal converged effects starting in FY 2027.					
Title: PGM Software Defined Receiver (SDRx) Phase II			9.300	7.400	-
Description: Use PGM SDRx Phase I results to complete a prototype "All-in-One" APNT (GPS, Global Navigation Satellite System (GNSS), AltNav, Signals of Opportunity (SoO)), SDRx for large Size, Weight and Power (SWAP) PGMs that are ready to transition to Army Fires PoRs, directly addressing the FY21 NDAA Section 1611 Congressional mandate for resilient and survivable PNT.					
FY 2025 Plans: Complete PGM SDRx functional prototype to demonstrate intent of FY21 NDAA Section 1611 Congressional mandate for resilient and survivable PNT. Integrate physical PGM SDRx prototype into a representative large SWAP PGM to demonstrate critical "All in One" software defined navigation capabilities in a live fire event. Provide test reports to Fires PoRs to inform transition of PGM					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) FA5 / Assured Precision Weapons and Munitions		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
SDRx. Transition PGM SDRx prototype to Fires NavWar for prototyping expanded NavWar mission capability and future software upgrades to Fires PoRs adopting navigation software defined solutions.				
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to completion of prototyping activities. Results support transition of the PGM SDRx to PoRs while also transitioning to NavWar related prototyping initiatives for continued software based capability enhancements ensuring combat lethality overmatch is maintained in continually increasing contested and complex environments.				
Title: Munition Deployed NavWar Dual Mode Attack/Sense Phase 1		-	1.375	0.502
Description: Transition Next Gen NavWar technology to component prototyping of multi-mode NavWar active and passive common Rocket/Missile and Cannon Artillery Cargo payloads. Prototype solutions focus on active battlespace shaping and sensing for force multiplying effects. Initiative will provide high Technology Readiness Level (TRL) component solutions for integrated multi-mission attack and sense payload designs supporting an array for Fires Multi-Domain Operations across the electronic warfare spectrum. Directly addresses NavWar SA A-CDD approved Mar 21, NavWar EA A-CDD approved Sep 22.				
FY 2025 Plans: Physical component prototyping and operational like experimentation planning of Next Gen NavWar Technology to include Software Defined Radio and Radio Frequency Smoke attack and sense payloads.				
FY 2026 Plans: Integration and experimentation of physical payloads. Directly supports transition and proliferation of multi-purpose software defined solutions for APNT and counter APNT, and Radio Frequency Smoke attack and shaping payloads supporting the NavWar SA A-CDD, approved March 2021, and NavWar EA A-CDD, approved September 2022.				
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to focus shifting from prototyping to integrated experimentation, and evaluation, and data collection primarily supporting transition and capability acceleration decisions across Rocket/Missile and Cannon applications.				
Title: Network Assisted Assured PNT and NavWar Phase 1		-	1.200	1.500
Description: Prototype Virtual Fires SoS APNT and NavWar solutions to facilitate automation of Next Gen APNT Phase 1 and Next Gen NavWar Phase 1 technologies across the W&M Portfolio. Prototyping efforts will focus on enabling combat lethality overmatch in PNT challenged environments for Cannon and Rocket/Missile core missions. Continue to identify and define the future Fires SoS MDO interdependencies to enable a suite of NavWar operational capabilities and develop near, mid, and long-term MDO Fires and NavWar strategies to meet Army modernization imperatives. Directly addresses PL 111-383 aka FY11 NDAA Section 913: Jan 11 (M-Code Mandate), PL 115-232 aka FY19 NDAA Section 1609: Aug 18 (MGUE Inc2 must support Galileo				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>		Project (Number/Name) FA5 / <i>Assured Precision Weapons and Munitions</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
and QZSS), DODI 4650.08: Dec 18 (DOD NavWar Compliance), MGUE Inc2 PGM TRD: Oct 19, AltNav DR: Nov 19, FY21 NDAA Section 1611 (Resilient and Survivable PNT).					
FY 2025 Plans: Initiate virtual prototyping across Fires SoS needed to automate use of Next Gen APNT Phase 1 and Next Gen NavWar Phase 1 technologies. Prototyping will focus on the following areas: 1. Hot start and efficient use of multi-source PNT solutions for W&Ms. 2. Automating the translation of NavWar SA to situational understanding to reduce cognitive burden on operators meeting speed of battle demands in complex MDOs. Work with PoRs to integrate and implement NavWar information to support NavWar situational understanding and Fires decision support tools. 3. Dissemination of Hot Start data needed for collaborative swarming Fires seeker applications to avoid over-kill and maximize efficiency. Continue to identify, design and architect future SoS Fires interdependencies for a more integrated NavWar operational functionality.					
FY 2026 Plans: Integrate and experiment with virtual prototypes across Fires SoS to automate use of Next Gen APNT Phase 1 and Next Gen NavWar Phase 1 technologies. Prototyping will focus on the following areas: 1. Hot start and efficient use of multi-source PNT solutions for W&Ms, and automate the translation of NavWar SA to situational understanding to reduce cognitive burden on operators meeting speed of battle demands in complex MDO. 2. Work with PoRs to integrate and implement NavWar information to support NavWar situational understanding and Fires decision support tools. 3. Dissemination of Hot Start data needed for collaborative swarming Fires seeker applications to avoid over-kill and maximize efficiency. 4. Support live-fire demonstrations of automation capabilities and inform incremental transition of capabilities to multiple PoRs with initial capability transition in FY 2027. 5. Continue to identify, design and architect future SoS Fires interdependencies for a more integrated NavWar operational capability.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to supporting efforts that integrate and experiment virtual prototypes in Program of Record software blocks to facilitate transition of Next Gen APNT Phase 1 and Next Gen NavWar Phase 1 technologies for virtual prototyping of SoS solutions needed to automate use of multi-source PNT, collaborative and efficient use of seekers in swarming applications, and reduce cognitive burden of Fires Support coordinators in complex MDO environments to meet speed of battle demands.					
Title: Munition Deployed NavWar Countermeasures			-	-	1.567
Description: Executes in parallel of multi-PEO synchronized prototyping activities to accelerate transition of SoS capabilities. Prototypes common application models to automate mission planning and execution of MDN countermeasure payloads for					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / <i>Tank and Medium Caliber Ammunition</i>	Project (Number/Name) FA5 / <i>Assured Precision Weapons and Munitions</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>converged effects in A2/AD environments for enhanced lethality. Directly addresses the NavWar SA A-CDD, approved March 2021, and NavWar EA A-CDD, approved September 2022.</p> <p>FY 2026 Plans: Prototype and integrate common application models across multiple Fires and Cyberspace electromagnetic activities C2 systems for automated common mission planning, execution, and monitoring of family of Munition Deployed Multi-Domain solutions prototyped across Next Generation NavWar, MDN Dual Mode Attack/Sense, EW, and Software Defined Solutions for enhanced lethality through converged effects. Prepare for SoS testing and verification of capabilities for subsequent transition to PoR.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to initiation of prototyping for common Rocket/Missile and Cannon automation tools to automate mission planning and execution of multi-domain converged effects across lethality and EW.</p>			
Accomplishments/Planned Programs Subtotals		44.069	48.096
		FY 2024	FY 2025
Congressional Add: AltNav Capabilities		7.000	-
FY 2024 Accomplishments: Conducted trade studies to refine objective hierarchies for Fires and Aviation Domain and common AltNav design modifications needed for acceleration transition to PoRs. Prototyped performance enhancements functions and analyzed and tested performance informing transition opportunities. Refined experimentation and validation plans for subsequent use by PoRs reducing integration and transition risks. Coordinated a Joint Industry and Government IPT to prototype and proliferate hardware in the loop modeling and simulation solutions further reducing transition risk.			
Congressional Adds Subtotals		7.000	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The APWM Project will utilize a combination of Other Transaction Authority (OTA) contract mechanisms, such as the Defense Ordinance Technology Consortium (DOTC) OTA and Naval Surface Technology and Innovation Consortium (NSTIC) OTA, and In-House government development and engineering capabilities to obtain prototypes and demonstrate/evaluate the maturity and integration risk of the M-Code GPS on Precision W&M, as well as other alternative PNT and NavWar related capabilities and corresponding related prototype SoS solutions.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) FA5 / Assured Precision Weapons and Munitions			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Fires APNT	Various	DoD Ordnance Technology Consortium (DOTC)/ Naval Surface Technology and Innovation Consortium (NSTIC) - BAE, L3Harris, Northrop Grumman Mission Systems, General Dynamics Mission Systems : Picatinny Arsenal NJ, Redstone Arsenal AL, Various	-	30.119	Dec 2023	25.308	Dec 2024	3.900	Dec 2025	-		3.900	Continuing	Continuing	Continuing
Fires NavWar	Various	DOTC/NSTIC - SRC, SAVIT, TBD Competing, (Industry Partner Subs) CCDC Communication Electronics Research, Development and Engineering Center (C5ISR) : Aberdeen Proving Ground MD; Various	-	4.432	Dec 2023	4.629	Dec 2024	4.334	Dec 2025	-		4.334	Continuing	Continuing	Continuing
Fires Systems of Systems APNT and NavWar	Various	DOTC/NSTIC - IS4S TBD Competing: Various (Industry Partner Subs) : Various	-	4.433	Dec 2023	4.629	Dec 2024	4.561	Dec 2025	-		4.561	Continuing	Continuing	Continuing
Subtotal			-	38.984		34.566		12.795		-		12.795	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) FA5 / Assured Precision Weapons and Munitions			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management and Integrated Product Support	Various	DEVCOM AC; CCDC AvMC; JL PNT and NAVWAR IPT Members: ADS CFT, PEO M&S, AFLCMC (Eglin AFB), USSF, NAVSEA, NAVAIR, West Point, and Various : Picatinny Arsenal NJ, Redstone Arsenal AL, Various	-	3.748	Dec 2023	4.089	Dec 2024	4.100	Dec 2025	-		4.100	Continuing	Continuing	Continuing
Fires APNT	Various	DEVCOM AC; CCDC AvMC; CCDC C5ISR : Picatinny Arsenal NJ, Redstone Arsenal AL; Various	-	6.070	Dec 2023	6.372	Dec 2024	1.672	Dec 2025	-		1.672	Continuing	Continuing	Continuing
Fires NavWar	Various	DEVCOM AC; CCDC AvMC; CCDC C5ISR : Picatinny Arsenal NJ, Redstone Arsenal AL; Various	-	1.234	Dec 2023	1.664	Dec 2024	1.538	Dec 2025	-		1.538	Continuing	Continuing	Continuing
Fires Systems of Systems APNT and NavWar	Various	DEVCOM AC; CCDC AvMC; CCDC C5ISR : Picatinny Arsenal NJ, Redstone Arsenal AL; Various	-	1.033	Dec 2023	1.405	Dec 2024	1.118	Dec 2025	-		1.118	Continuing	Continuing	Continuing
Subtotal			-	12.085		13.530		8.428		-		8.428	Continuing	Continuing	N/A
Remarks Support consists of labor, travel and other non-labor costs in Fiscal Year (FY) 2022.															

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) FA5 / Assured Precision Weapons and Munitions				
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	51.069		48.096		21.223		-		21.223	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0603639A / Tank and Medium Caliber
Ammunition

Project (Number/Name)

FA5 / Assured Precision Weapons and
Munitions

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integrated Product Support - Joint Lethality PNT and Nav...																												
Integrated Product Support - Program Management																												
Fires APNT - MGUE Inc2 for JROC-directed PGM Lead Platform																												
Fires APNT - PGM Software Defined Receiver Phase 2																												
Fires APNT - Next Gen PNT Technologies Phase 2																												
Fires APNT - Advanced multi-source PNT solutions for PW&...																												
Fires APNT - Advanced multi-source PNT solutions for PW&...																												
Fires APNT - Army APNT (incl M-Code) and NavWar Tech Int...																												
Fires NavWar - Next Gen NavWar Technologies Phase 1																												
Fires NavWar - MDN Dual Mode Attack/Sense Phase 1																												
Fires NavWar - MDN Countermeasures																												
Fires NavWar - MDN Multi-Spectral Countermeasures Phase 1																												
Fires NavWar - Multi-mode/Multi-mission MDN																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) FA5 / Assured Precision Weapons and Munitions	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Fires NavWar - MDN Dual Mode Attack/Sense Phase 2																												
Fires NavWar - MDN Multi-Spectral Countermeasures Phase 2																												
Fires NavWar - Multi-Mode/Multi-Mission Munition Deploye...																												
Fires NavWar - Army APNT (incl M-Code) and NavWar Tech I...																												
Fires SoS - Army APNT (incl M-Code) and NavWar Tech Intg...																												
Fires SoS - Network Assisted Assured PNT and NavWar Phase 1																												
Fires SoS - Network Assisted Assured PNT and NavWar Phase 2																												
Fires SoS - Network Assisted Assured PNT and NavWar for ...																												
Fires SoS - Network Assisted Assured PNT and NavWar for ...																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) FA5 / Assured Precision Weapons and Munitions	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Integrated Product Support - Joint Lethality PNT and NavWar SME WIPT	1	2017	4	2033
Integrated Product Support - Program Management	1	2017	4	2033
Fires APNT - Next Gen PNT Technologies Phase 1	1	2022	4	2023
Fires APNT - PGM Software Defined Receiver Phase 1	1	2022	4	2023
Fires APNT - MGUE Inc2 for JROC-directed PGM Lead Platform	1	2022	4	2027
Fires APNT - PGM Software Defined Receiver Phase 2	1	2024	4	2025
Fires APNT - Next Gen PNT Technologies Phase 2	1	2027	4	2028
Fires APNT - Advanced multi-source PNT solutions for PW&M Phase 1	1	2029	4	2030
Fires APNT - Advanced multi-source PNT solutions for PW&M Phase 2	1	2031	4	2032
Fires APNT - Autonomous Integration of Multi-Source PNT for PW&M	1	2033	4	2033
Fires APNT - Army APNT (incl M-Code) and NavWar Tech Intg & Eval	1	2023	4	2033
Fires NavWar - Next Gen NavWar Technologies Phase 1	1	2024	4	2025
Fires NavWar - MDN Dual Mode Attack/Sense Phase 1	1	2025	4	2026
Fires NavWar - MDN Countermeasures	1	2026	4	2027
Fires NavWar - MDN Multi-Sprectral Countermeasures Phase 1	1	2027	4	2028
Fires NavWar - Multi-mode/Multi-mission MDN	1	2029	4	2030
Fires NavWar - MDN Dual Mode Attack/Sense Phase 2	1	2029	4	2030
Fires NavWar - MDN Multi-Spectral Countermeasures Phase 2	1	2031	4	2032
Fires NavWar - Multi-Mode/Multi-Mission Munition Deployed Advanced NavWar	1	2031	4	2032
Fires NavWar - Integrated Passive and Active MDN	1	2033	4	2033
Fires NavWar - Army APNT (incl M-Code) and NavWar Tech Intg and Eval	1	2023	4	2033
Fires SoS - Army APNT (incl M-Code) and NavWar Tech Intg and Eval	1	2022	4	2033

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) FA5 / Assured Precision Weapons and Munitions
		Start		End
Events		Quarter	Year	Quarter Year
Fires SoS - Network Assisted Assured PNT and NavWar Phase 1		1	2025	4 2026
Fires SoS - Network Assisted Assured PNT and NavWar Phase 2		1	2027	4 2028
Fires SoS - Network Assisted Assured PNT and NavWar for MDO Phase 1		1	2029	4 2030
Fires SoS - Network Assisted Assured PNT and NavWar for MDO Phase 2		1	2031	4 2032
Fires SoS - Automation of NavWar MDO across Fires SoS		1	2033	4 2033
Note Notes: Positioning, Navigation and Timing (PNT) Subject Matter Expert (SME) Working Integrated Product Team (WIPT) Network Assisted (NA) Assured Positioning, Navigation and Timing (APNT)				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FG1: Cannon-Delivered Area Effects Munitions (C-DAEM)	-	-	19.072	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note Project FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM) is a realignment in FY 2026 and has no FY 2026 budget request. Funding was realigned within PE 0603639A: Tank and Medium Caliber Ammunition: from Project FG1/Cannon-Delivered Area Effects (C-DAEM) to Project DL5/155mm Extended Range Artillery Munitions to continue supporting the development of a 155mm system of systems.												
A. Mission Description and Budget Item Justification The Cannon Delivered Area Effects Munitions (C-DAEM) Budget Activity Four (BA4) Project supports the development efforts of the Extended Range Artillery Projectile (ERAP), which transitioned in Fiscal Year (FY) 2025 from Budget Activity Three (BA3) PE 0603464A / Long Range Precision Fires Advanced Technology Project BO8 Long Range Precision Fires Advanced Tech), will deliver lethality and range overmatch in 155mm artillery weapon systems at more than double the current range from legacy artillery cannons and will be compatible in future 155MM artillery systems in a Global Positioning System (GPS) degraded and denied environments. ERAP, developed as part of an organic Long Range Precision Fires capability, will provide overmatching cannon artillery range capability at both Tactical and Operational Fires range by shaping the nature of the close fight through seeking moving and imprecisely located targets at extended ranges, will increase range capability of the current 39 caliber cannon fleet and will also be compatible with future 52 caliber and above artillery weapon systems. This Project does not have a FY 2026 budget request.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: C-DAEM Extended Range									-	19.072	-	
Description: C-DAEM Extended Range will deliver lethality and range overmatch in 155mm artillery weapon systems seeking moving and imprecisely located targets at extended ranges.												
FY 2025 Plans: Conduct System and subsystem DVT testing including guided flight testing at multiple levels of maturity and integration leading to a system level capabilities demonstration at TRL 6 in Fiscal Year 2026 (FY26).												
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in funding in FY 2026 due to realignment of funding within PE 0603639A: Tank and Medium Caliber Ammunition, Project FG1/Cannon-Delivered Area Effects (C-DAEM) to Project DL5/155mm Extended Range Artillery Munitions for the continuation of Rapid Prototyping efforts.												
Accomplishments/Planned Programs Subtotals									-	19.072	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM)
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy The ERAP development program will utilize the Middle Tier Acquisition Rapid Prototyping Pathway and Other Transaction Authority (OTA) contracting vehicles to execute design, development, and maturation efforts. Currently evaluating contractor submissions to identify opportunities to accelerate the schedule and maintain competition to a Technology Readiness Level (TRL) 6 demonstration event planned for Fiscal Year 2026 (FY26). This contracting vehicle will allow a down select between the technical candidates and ensure completion of the demonstration of the candidate technical solution in FY26.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition						Project (Number/Name) FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM)			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Prototyping	MIPR	Other Transaction Authority (OTA) contract awards : Picatinny Arsenal, NJ	-	-		14.163	Sep 2025	-		-		-	0.000	14.163	-
Subtotal			-	-		14.163		-		-		-	0.000	14.163	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		4.909	May 2025	-		-		-	0.000	4.909	-
Subtotal			-	-		4.909		-		-		-	0.000	4.909	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		19.072		-		-		-	0.000	19.072	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4								R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition								Project (Number/Name) FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM)												
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Program Initiation Brief (PIB)					1 Program Initiation Brief																							
Rapid Prototyping Phase																												
Development Contract Awards					2 Development Contract Awards																							
Technical Design Review (TDR)									3 TDR																			
Technology Readiness Level (TRL) 6 Demonstration													4 Demo															

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) FG1 / Cannon-Delivered Area Effects Munitions (C-DAEM)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Program Initiation Brief (PIB)	4	2025	4	2025
Rapid Prototyping Phase	1	2026	4	2030
Development Contract Awards	4	2025	4	2025
Technical Design Review (TDR)	2	2026	2	2026
Technology Readiness Level (TRL) 6 Demonstration	4	2026	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
XT5: 30mm Anti-Personnel and Counter UAS	-	17.076	0.182	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Airburst capability is identified as a threshold Key System Attribute (KSA) in Apache Block 3 Capability Production Document (CPD) - Approved 14 June 2017 and other cannon caliber Operational Needs Statements (ONS) and Capability Development Documents (CDD). The Anti-Personnel and Counter Unmanned Aerial Systems (UAS) munition provides increased lethality through airburst effects against personnel, small boats, and small Unmanned Aerial Systems (UAS) without requiring modification to the platform.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Title: Anti-Personnel and Counter UAS										-	0.175	-
Description: Develop, demonstrate, and qualify the High Explosive Proximity munition for anti-personnel and counter UAS missions.												
FY 2025 Plans: Develop performance specifications, statement of work, and prepare contract vehicle for FY 2026 development award.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to transition to PE 0604802A, Project XT6.												
Title: SBIR/STIR Transfer										-	0.007	-
Description: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR). Funding transferred in accordance with Title 15 USC §638.												
FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638.												
FY 2025 to FY 2026 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.												
Title: 25mm Proximity BADGER (Supplemental)										2.076	-	-
Accomplishments/Planned Programs Subtotals										2.076	0.182	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS	

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• XT6: Medium Caliber Anti-Personnel and Counter UAS	-	-	15.275	-	15.275	-	-	-	-	-	-
• E91122: CTG, 30MM C-UAS HE PROXIMITY FUSE	-	-	0.887	-	0.887	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Proposals will be requested from Industry to develop High Explosive Proximity (HEP) tactical cartridges that will meet Army Performance Specifications for anti-personnel and Counter UAS. The Government will award an Other Transaction Agreement (OTA) contract to support development and testing for the fielding of the HEP ammunition, with an option to award low-rate manufacturing.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer	Various	TBD : TBD	-	-		0.007	Jun 2025	-		-		-	0.000	0.007	-
Subtotal			-	-		0.007		-		-		-	0.000	0.007	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1225 APEX UMR Development Contract	C/CPFF	Northrup Grumman Defense Systems (NGDS) : Plymouth, MN	-	7.683	Jul 2024	-		-		-		-	0.000	7.683	-
XM1225 APEX EMD Development Contract	C/CPFF	Northrup Grumman Defense Systems (NGDS) : Plymouth, MN	-	2.686	Aug 2025	-		-		-		-	0.000	2.686	-
Subtotal			-	10.369		-		-		-		-	0.000	10.369	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support DEVCOM AC	MIPR	Development Command - Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	3.202	Jul 2024	0.175	Apr 2025	-		-		-	0.000	3.377	-
Subtotal			-	3.202		0.175		-		-		-	0.000	3.377	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition				Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1225 APEX Build Verification/Safety Confirmation Testing for UMR	MIPR	Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	0.565	Jan 2024	-		-		-		-	0.000	0.565	-
XM1225 APEX Apache Flight/Airworthiness Certification for UMR	MIPR	Redstone Test Center (RTC) : Redstone, Alabama	-	0.785	Feb 2025	-		-		-		-	0.000	0.785	-
XM1225 APEX Apache Flight/Airworthiness Test for UMR	MIPR	Yuma Test Center (YTC) : Yuma, Arizona	-	0.858	Apr 2025	-		-		-		-	0.000	0.858	-
XM1225 APEX Arena Test	MIPR	Naval Surface Warfare Center (NSWC) : Dahlgren, Virginia	-	0.422	May 2025	-		-		-		-	0.000	0.422	-
XM1228 BADGER Test Assets for UMR	MIPR	Defense Logistics Agency (DLA) : Philadelphia, Pennsylvania	-	0.380	Sep 2024	-		-		-		-	0.000	0.380	-
XM1228 BADGER Demonstration	MIPR	Yuma Test Center (YTC) : Yuma, Arizona	-	0.495	Mar 2025	-		-		-		-	0.000	0.495	-
Subtotal			-	3.505		-		-		-		-	0.000	3.505	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	17.076		0.182		-		-		-	0.000	17.258	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition		Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
UMR Contract Award				1																								
UMR Engineering Development																												
UMR Build Verification / Safety Confirmation Testing																												
Urgent Material Release (UMR)																												
Performance Specification Development and Contract Prepa...																												
Contract Award																												
Engineering Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603639A / Tank and Medium Caliber Ammunition	Project (Number/Name) XT5 / 30mm Anti-Personnel and Counter UAS	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
UMR Contract Award	4	2024	4	2024
UMR Engineering Development	4	2024	3	2026
UMR Build Verification / Safety Confirmation Testing	2	2025	2	2026
Urgent Material Release (UMR)	4	2026	4	2026
Performance Specification Development and Contract Preparation	1	2025	4	2025
Contract Award	4	2025	4	2025
Engineering Development	4	2025	4	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0603645A / Armored System Modernization - Adv Dev							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	54.456	23.235	22.645	-	22.645	-	-	-	-	-	-
EV7: Combat Vehicle Prototyping	-	54.456	23.235	22.645	-	22.645	-	-	-	-	-	-
A. Mission Description and Budget Item Justification												
Armored System Modernization Advanced Development provides maturation of emerging Science and Technology (S&T) and industry technologies for potential integration onto ground combat vehicles. The purpose of this Program Element's (PE) funding is to demonstrate new capabilities to meet current and future military needs and to determine integration potential across the Army portfolio of ground combat vehicles by testing and evaluating a variety of technologies.												
The Robotic Combat Vehicle (RCV) Middle Tier Acquisition-Rapid Prototype (MTA-RP) program was funded through RDT&E appropriation via lines 643645EV7, 644107CF4 and 654641CF5. The total investment of the program prior to Army Transformation Initiative (ATI) Executive Order (EXORD) directing to cease development of RCV Hardware was \$225M Base-Year 2025 (BY25) dollars. Future development efforts focused on Software Pathway (SWP), as well as autonomous and unmanned system initiatives, will be funded under RDT&E lines 644017FD9 and 655053FB3.												
The FY 2026 request was reduced by \$0.247 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."												
B. Program Change Summary (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total				
Previous President's Budget				43.026	23.235	23.222	-	23.222				
Current President's Budget				54.456	23.235	22.645	-	22.645				
Total Adjustments				11.430	0.000	-0.577	-	-0.577				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				15.000	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-2.000	-							
• SBIR/STTR Transfer				-1.570	-							
• Adjustments to Budget Years				-	-	-0.577	-	-0.577				
Congressional Add Details (\$ in Millions, and Includes General Reductions)										FY 2024	FY 2025	
Project: EV7: Combat Vehicle Prototyping												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603645A I Armored System Modernization - Adv Dev	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add: Program Increase - Advanced Combat Engine		13.000	-
Congressional Add Subtotals for Project: EV7		13.000	-
Congressional Add Totals for all Projects		13.000	-
Change Summary Explanation Adjustment to Budget Year of -\$0.577 due to economic adjustments.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603645A / Armored System Moderniza tion - Adv Dev				Project (Number/Name) EV7 / Combat Vehicle Prototyping			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EV7: Combat Vehicle Prototyping	-	54.456	23.235	22.645	-	22.645	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Armored System Modernization Advanced Development will continue the maturation of emerging ground combat vehicle capabilities to provide a bridge from S&T investment to application on a vehicle platform, informing requirements through User Evaluations, identification of capability gaps and reduction of integration risks. Maturing emerging technologies like those in Project Convergence Capstone (PCC) will enable ground combat platforms to meet the Army's strategy of fielding key Modernization efforts.

The funding will support virtual and physical concept development, trade studies, technical and operational analyses to assess future concepts and designs. This would also include the support for survivability, lethality and other soldier defined system requirements. In addition, this funding will provide program management, expertise and a business process for the maturation and transition of emerging Science and Technology systems, system integration labs, technology demonstration efforts risk reduction, maturation, testing and assessment, and develop and integrate systems for Ground Combat Systems (GCS) platforms.

The Robotic Combat Vehicle (RCV) Middle Tier Acquisition-Rapid Prototype (MTA-RP) program was funded through RDT&E appropriation via lines 643645EV7, 644107CF4 and 654641CF5. The total investment of the program prior to Army Transformation Initiative (ATI) Executive Order (EXORD) directing to cease development of RCV Hardware was \$225M Base-Year 2025 (BY25) dollars. Future development efforts focused on Software Pathway (SWP), as well as autonomous and unmanned system initiatives, will be funded under RDT&E lines 644017FD9 and 655053FB3.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Government Engineering & Program Management	4.047	3.000	2.712
Description: This effort will support Program Management Office (PMO) support that will cover the costs of government and direct support contractor labor, travel, training, supplies, equipment and facilities to manage the experimental prototyping projects.			
FY 2025 Plans: This funding will support Government oversight and project management of planned efforts which will cover government salaries, contractor labor, travel, training, supplies, equipment and facilities costs.			
FY 2026 Plans: This funding will support Government oversight and project management of planned efforts which will cover government salaries, contractor labor, travel, training, supplies, equipment and facilities costs.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603645A / Armored System Modernization - Adv Dev	Project (Number/Name) EV7 / Combat Vehicle Prototyping		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2026 funding decrease is due to reduced project management oversight requirements.				
<p>Title: Developmental Engineering</p> <p>Description: Efforts will include the continued development and maturation of advanced technology concepts for ground combat vehicles and related support equipment.</p> <p>FY 2025 Plans: This funding will further refine Advanced Combat Powertrain (ACP) maturation, which is comprised of the Advanced Combat Engine (ACE) and the Advanced Combat Transmission (ACT). A potential transition partner for this effort is XM30 but could be applied to other combat vehicle platforms. Other Developmental Engineering efforts include but are not limited to MUM-T Protected Comms, Advanced Combat Vehicle Concepts, Combat Vehicle Light-weighting, Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR), small-scale, system-of-systems demonstration and other combat vehicle technology advancement efforts. These advanced development efforts will support performance analysis, trade space analysis, capabilities assessments, and hardware demonstrations to support the emerging technologies to support the Army's Modernization Strategy. Additionally, supports the maturation of the GCS Common Infrastructure Architecture (GCIA), Ground Vehicle Architecture Integration Laboratory (GVAIL), data architecture and the continued refinement and maturation of open architecture standards.</p> <p>FY 2026 Plans: This funding will further refine Developmental Engineering efforts to include but are not limited to MUM-T Protected Comms, Advanced Combat Vehicle Concepts, Autonomous Vehicles, Advanced Combat Vehicle Concepts, Combat Vehicle Light-weighting, Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR), small-scale, system-of-systems demonstration, design optimization, Vehicle Excursions, Aided Target Detection and Recognition (AiTDR), Threat Warning Sensor integration, Segmented Composite Rubber Track (S-CRT), Virtual Maintainer, Active Protection System Sensing (APS) and other combat vehicle technology advancement efforts. These advanced development efforts will support performance analysis, trade space analysis, capabilities assessments, and hardware demonstrations to support the emerging technologies to support the Army's Modernization Strategy. Additionally, supports the maturation of the GCS Common Infrastructure Architecture (GCIA), GCIA Common Compute, Ground Vehicle Architecture Integration Laboratory (GVAIL), data architecture and the continued refinement and maturation of open architecture standards.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase is due to additional activities for the Advanced Combat Vehicle Concepts efforts, MUM-T Protected Comms, Advanced Combat Vehicle Concepts, Autonomous Vehicles, Combat Vehicle Light-weighting, Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR), Threat Warning Sensors, Virtual Maintainer, Active Protection System Sensing (APS), Aided Target Detection and Recognition (AiTDR), Segmented Composite Rubber Track</p>		12.804	6.730	10.256

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603645A / <i>Armored System Modernization - Adv Dev</i>	Project (Number/Name) EV7 / <i>Combat Vehicle Prototyping</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
(S-CRT), the maturation of the GCS Common Infrastructure Architecture (GCIA), GCIA Common Compute, Ground Vehicle Architecture Integration Laboratory (GVAIL), and other activities.			FY 2026
Title: Test & Evaluation Description: Test and Evaluation (T&E) activities include contractor and government testing of prototype vehicles and technologies as well as user evaluations. Testing will be conducted using United States Army test facilities. FY 2025 Plans: T&E efforts include but are not limited to: Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR) soldier assessment efforts, Advanced Combat Powertrain Maturation, Combat Vehicle Light-weighting, Tank Modernization, MUM-T Protected Comms, Aided Target Recognition (AiTR), small-scale, system-of-system demonstrations and other emerging combat vehicle technology advancements to assist in determining future requirements while evaluating maturation level and aid in determination of bridging S&T efforts to vehicle platforms. FY 2026 Plans: T&E efforts include but are not limited to: MUM-T Protected Comms, Autonomous Vehicles, Combat Vehicle Light-weighting, Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR) soldier assessment efforts, small-scale, system-of-system demonstration, Aided Target Detection and Recognition (AiTDR), Segmented Composite Rubber Track (S-CRT), XM913 testing, Virtual Maintainer, Active Protection System Sensing (APS) and other emerging combat vehicle technology advancements to assist in determining future requirements while evaluating maturation level and aid in determination of bridging S&T efforts to vehicle platforms. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease is due to completion of Advanced Combat Powertrain Maturation, Combat Vehicle Light-weighting, Tank Modernization, and other activities.		12.247	13.505
Title: Experimental Prototyping Description: Experimental prototyping allows for maturation of emerging S&T and industry technologies to inform requirements, identify mitigations for capability gaps and reduce technology integration and program risks for emerging technologies. The funding will support prototyping for Advanced Combat Powertrain, Advanced Combat Vehicle Concepts and Studies, Advanced Lightweight Track, Combat Optimization for Robotic Systems, Autonomy, Integration, and Reliability (CORSAIR) (formerly named Project Origin) soldier assessment efforts and Other Technology Advancements.		12.358	-
Accomplishments/Planned Programs Subtotals		41.456	22.645

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603645A / Armored System Modernization - Adv Dev	Project (Number/Name) EV7 / Combat Vehicle Prototyping	
		FY 2024	FY 2025
Congressional Add: Program Increase - Advanced Combat Engine		13.000	-
FY 2024 Accomplishments: Congressional Add.			
Congressional Adds Subtotals		13.000	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
These level of efforts provide the focused investment for the development and demonstration of technology and prototyping for future combat vehicles in the battlefield. The intent of this funding is to mature the next generation of technology which will enable demonstration of capabilities developed in the S&T portfolio to meet emerging military needs across the current Army portfolio of ground vehicles.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603645A / Armored System Moderniza tion - Adv Dev				Project (Number/Name) EV7 / Combat Vehicle Prototyping					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimental Prototyping	Various	Various : Various	66.033	12.358	Jun 2024	-		-		-		-	Continuing	Continuing	Continuing
Developmental Engineering	Various	DCS Corporation/ C5ISR/CCDC Armaments Center/ CCDC GVSC / SAIC/ Various : Various	106.635	12.804	Jan 2024	6.730	Jan 2025	10.256	Jun 2026	-		10.256	0.000	136.425	-
Program Increase - Advanced Combat Engine	Option/ Various	GVSC/Cummins : Various	-	13.000	Jul 2024	-		-		-		-	0.000	13.000	-
Subtotal			172.668	38.162		6.730		10.256		-		10.256	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PM/Program Executive Office/ GVSC : Warren, MI	69.373	4.047	Jan 2024	3.000	Jan 2025	2.712	Jan 2026	-		2.712	Continuing	Continuing	Continuing
Subtotal			69.373	4.047		3.000		2.712		-		2.712	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation	Various	GVSC / Various / Competing : Various	65.899	12.247	Jun 2024	13.505	Jun 2025	9.677	Jun 2026	-		9.677	Continuing	Continuing	-
Subtotal			65.899	12.247		13.505		9.677		-		9.677	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			307.940	54.456		23.235		22.645		-		22.645	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army							Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603645A / Armored System Modernization - Adv Dev		Project (Number/Name) EV7 / Combat Vehicle Prototyping			
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Remarks									

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army Date: June 2025

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603645A / Armored System Moderniza tion - Adv Dev	Project (Number/Name) EV7 / Combat Vehicle Prototyping
--	--	--

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Abrams Lightweight Running Gear Casting Prototype																												
Abrams Lightweight Running Gear Lab Prototype																												
Abrams Lightweight Running Gear Vehicle Prototype Set																												
Advanced Combat Powertrain Field Test																												
Advanced Combat Powertrain Refinement																												
Active Protection System Sensing (APS) Development and D...																												
Active Protection System Sensing (APS) Test and Demonstr...																												
Aided Target Detection and Recognition (AITDR) Bradley																												
AITDR Prototype Design and Procurement Bradley																												
AITDR System Integration Bradley																												
AITDR System Test and Demonstration Bradley																												
Congressional ADD Abrams Modernization																												
Congressional ADD Auxiliary Power Unit																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603645A / Armored System Moderniza tion - Adv Dev		Project (Number/Name) EV7 / Combat Vehicle Prototyping	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CORSAIR Soldier Experiments																												
CORSAIR																												
Ground Common Infrastructure Architecture (GCIA) Common ...																												
Ground Common Infrastructure Architecture (GCIA) Maturation																												
High Voltage Power Controller (HVPC) 2nd Source Transiti...																												
MUM-T Manned Control Vehicles (MCV) Test																												
MUM-T- Protected Comms (PCM) C5ISR Modular Open Suite of																												
MUM-T - Protected Comms (PCM) CMOSS Prototypes Build																												
MUM-T - Protected Comms (PCM) CMOSS Prototypes Test and ...																												
Soft Kill Threat Warning Sensor EW Sensors & CM Algorith...																												
Soft Kill Threat Warning Sensor Orange Test																												
Soft Kill Threat Warning Sensor Full System Demo																												
Soft Kill Threat Warning Data Analysis																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603645A / Armored System Modernization - Adv Dev		Project (Number/Name) EV7 / Combat Vehicle Prototyping	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Soft Kill Threat Warning Live Fire Demo																												
Soft Kill Threat Warning Hardware Acquisition																												
Segmented Composite Rubber Track (S-CRT)																												
S-CRT Design and Develop the S-CRT system																												
S-CRT Segmented Composite Rubber Track PDR																												
S-CRT Segmented Composite Rubber Track TDP																												
S-CRT Manufacture S-CRT kit for full vehicle testing																												
S-CRT Validate Prototype track via on-vehicle testing																												
Tank Modernization Test																												
Vehicle Base Kits (VBK) GEN3 Design Optimization																												
VBK Controller Maturation																												
VBK Domain Management and Separation																												
VBK L3 TDP Documentation																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603645A / Armored System Moderniza tion - Adv Dev		Project (Number/Name) EV7 / Combat Vehicle Prototyping	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Vehicle Excursion 3.5 – PIF Prototype Design																												
Vehicle Excursion 3.5 – PIF Prototype Build																												
Vehicle Excursion 3.5 – Operationally-relevant Soldier T...																												
Vehicle Excursion 3.5 – Government-owned Level II TDP																												
Vehicle Excursion 4																												
Vehicle Excursion 5																												
Virtual Maintainer Development Integration Test XM30																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603645A / Armored System Modernization - Adv Dev	Project (Number/Name) EV7 / Combat Vehicle Prototyping	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Abrams Lightweight Running Gear Casting Prototype	4	2023	4	2025
Abrams Lightweight Running Gear Lab Prototype	3	2024	4	2025
Abrams Lightweight Running Gear Vehicle Prototype Set	1	2025	4	2025
Advanced Combat Powertrain Field Test	1	2024	1	2026
Advanced Combat Powertrain Refinement	1	2024	1	2026
Active Protection System Sensing (APS) Development and Design	4	2025	3	2027
Active Protection System Sensing (APS) Test and Demonstration	4	2026	4	2027
Aided Target Detection and Recognition (AiTDR) Bradley	1	2027	4	2030
AiTDR Prototype Design and Procurement Bradley	1	2027	4	2027
AiTDR System Integration Bradley	3	2027	2	2028
AiTDR System Test and Demonstration Bradley	3	2027	2	2028
Congressional ADD Abrams Modernization	3	2023	4	2024
Congressional ADD Auxiliary Power Unit	3	2023	3	2026
CORSAIR Soldier Experiments	3	2022	4	2024
CORSAIR	1	2026	4	2026
Ground Common Infrastructure Architecture (GCIA) Common Compute	1	2026	3	2028
Ground Common Infrastructure Architecture (GCIA) Maturation	1	2024	4	2029
High Voltage Power Controller (HVPC) 2nd Source Transition Decision	3	2025	3	2025
MUM-T Manned Control Vehicles (MCV) Test	4	2022	4	2026
MUM-T- Protected Comms (PCM) C5ISR Modular Open Suite of Standards (CMOSS) Dev	3	2023	2	2024
MUM-T - Protected Comms (PCM) CMOSS Prototypes Build	1	2024	1	2025

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0603645A / Armored System Modernization - Adv Dev		EV7 / Combat Vehicle Prototyping	
		Start		End	
Events	Quarter	Year	Quarter	Year	
MUM-T - Protected Comms (PCM) CMOSS Prototypes Test and Final Report	1	2025	3	2026	
Soft Kill Threat Warning Sensor EW Sensors & CM Algorithm Baseline	3	2025	4	2025	
Soft Kill Threat Warning Sensor Orange Test	1	2026	4	2026	
Soft Kill Threat Warning Sensor Full System Demo	4	2026	1	2027	
Soft Kill Threat Warning Data Analysis	2	2027	2	2027	
Soft Kill Threat Warning Live Fire Demo	2	2026	1	2027	
Soft Kill Threat Warning Hardware Acquisition	1	2026	4	2026	
Segmented Composite Rubber Track (S-CRT)	1	2028	4	2030	
S-CRT Design and Develop the S-CRT system	3	2028	3	2029	
S-CRT Segmented Composite Rubber Track PDR	2	2029	2	2029	
S-CRT Segmented Composite Rubber Track TDP	4	2029	4	2029	
S-CRT Manufacture S-CRT kit for full vehicle testing	4	2029	3	2030	
S-CRT Validate Prototype track via on-vehicle testing	4	2030	4	2031	
Tank Modernization Test	1	2023	2	2025	
Vehicle Base Kits (VBK) GEN3 Design Optimization	1	2027	4	2029	
VBK Controller Maturation	1	2027	2	2029	
VBK Domain Management and Separation	3	2027	4	2028	
VBK L3 TDP Documentation	2	2028	4	2029	
Vehicle Excursion 3.5 - PIF Prototype Design	1	2025	2	2025	
Vehicle Excursion 3.5 - PIF Prototype Build	2	2025	3	2025	
Vehicle Excursion 3.5 - Operationally-relevant Soldier Touch Point	3	2025	4	2025	
Vehicle Excursion 3.5 - Government-owned Level II TDP	4	2025	1	2026	
Vehicle Excursion 4	1	2026	1	2028	
Vehicle Excursion 5	4	2027	4	2029	
Virtual Maintainer Development Integration Test XM30	1	2026	4	2027	

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603747A / <i>Soldier Support and Survivability</i>
---	--

COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	3.420	4.059	4.033	-	4.033	-	-	-	-	-	-
610: <i>Food Adv Development</i>	-	3.420	4.059	4.033	-	4.033	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) supports component development and prototyping for organizational equipment, improved individual clothing and equipment that enhance Soldier battlefield effectiveness, survivability, and sustainment. This PE also supports the component development and prototyping of joint service food and combat feeding equipment designed to reduce logistics burden.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>
Previous President's Budget	3.550	4.059	4.065	-	4.065
Current President's Budget	3.420	4.059	4.033	-	4.033
Total Adjustments	-0.130	0.000	-0.032	-	-0.032
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.130	-			
• Adjustments to Budget Years	-	-	-0.032	-	-0.032

Change Summary Explanation

Decrease in FY 2026 funding from previous President's Budget is due to a reduction to Food Advanced Development efforts.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603747A / Soldier Support and Survivability				Project (Number/Name) 610 / Food Adv Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
610: Food Adv Development	-	3.420	4.059	4.033	-	4.033	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This Project provides for the advanced component development and prototyping of Joint Service combat ration components/platforms and field feeding equipment designed to improve warfighter performance and reduce the logistics burden of subsistence support. Efforts funded in this Project support all four Services, the Special Operations Command, and the Defense Logistics Agency. The Army serves as the Executive Agent for this Department of Defense (DoD) program, with oversight and coordination provided by the DoD Combat Feeding Research and Engineering Board as required by DoD Directive (DoDD) 3235.02E. Centralized execution of the DoD Combat Feeding Research and Engineering Program (CFREP) with Joint Service review and approval eliminates unnecessary duplication of efforts across the Services and maximizes use of common materiel solutions. Prototypes validated within this effort transition to Army Program Element 0604713A (Combat Feeding, Clothing and Equipment) / Project 548 (Mil Subsistence Sys) for System Development and Demonstration.												
Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM) Soldier Center (SC), Natick, MA.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Joint Service Combat Ration Advanced Development									2.531	2.098	1.404	
Description: This effort matures and integrates combat ration technologies and prototypes that enable warfighter maneuver, readiness and effectiveness during highly mobile, dispersed operations. Technologies are transitioned from RDTE Budget Activity 3 projects to provide individual and group combat rations and components with improved capabilities including improved warfighter physical and cognitive performance through optimized nutrition and a reduced logistics burden through weight and cube reduction.												
FY 2025 Plans: Validate and integrate S&T innovations and Commercial Off The Shelf Non-Developmental Item (COTS/NDI) candidate items into operational ration platforms; identify alternate products for discontinued commercial products in the Modular Operational Ration Enhancement (MORE) Performance Pack; perform MORE component testing to support muscle recovery; conduct accelerated storage to verify shelf life, and evaluate Warfighter acceptability; will perform Developmental Test and Evaluation (DT&E) to establish baseline menus to meet religious menu requirements in arctic environments.												
FY 2026 Plans: Will validate and integrate S&T innovations and Commercial Off The Shelf Non-Developmental Item (COTS/NDI) candidate items into operational ration platforms; Will conduct Developmental Test and Evaluation (DT&E) on new menu components within												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603747A / <i>Soldier Support and Survivability</i>	Project (Number/Name) 610 / <i>Food Adv Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
(Meal, Ready-to-Eat) MRE 49; Will perform developmental studies for use of proven non-foil based packaging technologies within operations ration systems; Will conduct accelerated storage to verify shelf life, and evaluate Warfighter acceptability; Will conduct market research on new components for all Modular Operational Ration Enhancement (MORE) Pack designs and identify new components for IOT&E.			
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in funds a result of several developmental ration platforms moving to Initial Operational Test & Evaluation (IOT&E) in FY26.			
Title: Joint Service Field Feeding Equipment and Menu Development		0.889	1.961
Description: This effort matures and integrates field feeding equipment technologies and prototypes in support of the Navy, Air Force, and Marine Corps that reduce the logistics burden, improve efficiency, and decrease operation and support costs as directed by the DoD CFREB. This effort also conducts test and evaluation (T&E) on Navy Standard Core Menu components and preparation techniques to enhance efficiency through standardization across the fleet and reduce labor requirements.			2.629
FY 2025 Plans: Conduct DT&E to modernize fleet-wide foodservice operations aboard submarines, by optimizing refrigeration/storage, modernizing foodservice equipment assets, and reducing Sailor workload; initiate prototype fabrication of modular, scalable field feeding platforms in support of USMC Expeditionary Advance Base Operations (EABO), addressing the needs of platoon through battalion field feeding requirements; deliver standardized Food Service Management (FSM) ready menu items in support of Navy Standard Core Menu (NSCM).			
FY 2026 Plans: Will procure and integrate components into a Joint Light Tactical Vehicle (JLTV) trailer-based field feeding prototype for USMC Expeditionary Advance Base Operations (EABO) initiatives, incorporating true multi-fuel capability, man-transportability, power independence, and the capability to feed at the company level; Will complete the fabrication of modular, scalable field feeding platforms in support of USMC EABO, will conduct Contractor Testing, Developmental Testing, and begin Limited User Evaluations; Will initiate validation and re-assessment of life cycle expectancy for Navy Food Service Equipment items and provide overall phased replacement schedules; Will develop and test menus/unique recipes for the Navy Standard Core Menu (NSCM) to support Navy ships during times of disrupted communication - changes will reduce menu items, reduce shipboard freezer and chill space needs, and increase shelf stable storage, thus reducing resupply frequency.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funds increased to support several additional USMC and Navy initiatives for field feeding equipment.			
Accomplishments/Planned Programs Subtotals		3.420	4.059
			4.033

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army						Date: June 2025	
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603747A / Soldier Support and Survivability			Project (Number/Name) 610 / Food Adv Development	

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• 548: Mil Subsistence Sys	2.170	1.583	1.557	-	1.557	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Validated prototypes will transition to System Development and Demonstration for operational test and evaluation.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603747A / Soldier Support and Survivability				Project (Number/Name) 610 / Food Adv Development					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Combat Feeding Program Management	Allot	DEVCOM Soldier Center, Natick, MA : Natick, MA	8.887	0.495	Oct 2023	0.560	Oct 2024	0.650	Oct 2025	-		0.650	Continuing	Continuing	Continuing
Subtotal			8.887	0.495		0.560		0.650		-		0.650	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Service Rations and Combat Feeding Equipment	Various	Various : Various	49.607	2.312	Oct 2023	2.861	Oct 2024	2.823	Oct 2025	-		2.823	Continuing	Continuing	Continuing
Subtotal			49.607	2.312		2.861		2.823		-		2.823	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Service Rations and Combat Feeding Equipment	Allot	DEVCOM Soldier Center, Natick, MA : Natick, MA	2.260	0.613	Oct 2023	0.638	Oct 2024	0.560	Oct 2025	-		0.560	Continuing	Continuing	Continuing
Subtotal			2.260	0.613		0.638		0.560		-		0.560	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			60.754	3.420		4.059		4.033		-		4.033	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity
2040 / 4

R-1 Program Element (Number/Name)
PE 0603747A / Soldier Support and Survivability

Project (Number/Name)
610 / Food Adv Development

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Evaluate individual and group ration enhancements and tr...																												
Conduct in-house T&E of optimized CCAR and transition to...																												
Provide USN w/CPI, evaluations and menu development to s...																												
Conduct in-house T&E of energy conservation technologies...																												
Conduct in-house T&E of EFK upgrades for USMC																												
Conduct in-house T&E of Modular Operational Ration Enhan...																												
Conduct developmental testing of field feeding equipment...																												
Conduct development of system prototypes for scalable fe...																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603747A / <i>Soldier Support and Survivability</i>	Project (Number/Name) 610 / <i>Food Adv Development</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Evaluate individual and group ration enhancements and transition to SDD for OT&E	1	2017	4	2029
Conduct in-house T&E of OPRATS with improved lipid quality & transition to TDPs	1	2022	4	2022
Conduct in-house T&E of EGR and transition to SDD for OT&E	1	2020	4	2022
Conduct I-H T&E of non-destructive sampling technologies for food contamination	1	2021	4	2022
Conduct in-house T&E of optimized CCAR and transition to SDD for OT&E	1	2024	4	2025
Provide USN w/CPI, evaluations and menu development to support NSCM upgrades	1	2017	4	2029
ID and evaluate advanced galley/scullery equipment for the USN	1	2017	4	2021
Conduct T&E of Galley/Scullery equipment and transition to SDD for OT&E	1	2017	4	2021
Conduct in-house T&E of JIMKE intuitive equipment and transition to SDD for OT&E	2	2019	4	2020
Conduct T&E on rapidly deployable refrigeration prototype	1	2020	4	2020
Conduct in-house T&E of mobile feeding galley and transition to SDD for OT&E	1	2019	1	2020
Award contract to fabricate IRefS prototype and conduct in-house T&E	1	2019	4	2020
Conduct in-house T&E of energy conservation technologies for BEAR Kitchens	1	2023	4	2024
Conduct in-house T&E of EFK upgrades for USMC	1	2022	4	2024
Conduct in-house T&E of expeditionary kitchen systems for shore-based Navy units	1	2020	4	2021
Conduct T&E of food service equipment systems for USAF JACKS	1	2023	4	2023
Conduct DT&E of field feeding equipment for Navy Bakery Upgrades, Transition for OT&E	1	2023	4	2023
Conduct in-house T&E of Modular Operational Ration Enhancement, Transition for OT&E	1	2025	4	2027
Conduct developmental testing of field feeding equipment for Submarine Based Upgrades, Transition for OT&E	1	2025	4	2025

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603747A / Soldier Support and Survivability		Project (Number/Name) 610 / Food Adv Development	
		Start		End	
Events		Quarter	Year	Quarter	Year
Conduct development of system prototypes for scalable feeding platforms, in support of USMC EABO;		1	2025	4	2026

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	72.259	87.765	107.525	-	107.525	-	-	-	-	-	-
907: Tactical Exploitation Of National Capabilities	-	29.806	50.497	98.401	-	98.401	-	-	-	-	-	-
BX9: Tactical Intel Targeting Access Node Adv Develop	-	20.872	17.856	7.207	-	7.207	-	-	-	-	-	-
CC5: Low Earth Orbit (LEO) / Intel Surv Recon (ISR)	-	21.581	19.412	1.917	-	1.917	-	-	-	-	-	-

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

Tactical Exploitation of National Capabilities (TENCAP) exploits national intelligence capabilities to pace evolving threats in support of operations during conflict and competition. TENCAP systems and technologies provide deep sensing to support commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.). TENCAP systems and technologies support Theater-level fires and effects. TENCAP systems enable integrated Signals Intelligence (SIGINT) / Geospatial Intelligence (GEOINT) / Electronic Warfare (EW) / and Cyberspace operations. TENCAP supports Army modernization priorities including Long Range Precision Fires, Advanced Deep Sensing (ADS), Future Vertical Lift (FVL), and Air Missile Defense (AMD). In summary, TENCAP is a key enabler to defeating peer competitor Anti-Access / Area-Denial (A2/AD) strategies.

Tactical Exploitation of National Capabilities (TENCAP) accomplishes the Army's Tactical Electronic Surveillance System Advance Development by leveraging National Intelligence Community (IC) capabilities through cross-agency engineering to evaluate, enhance, prototype, and transition Intelligence, Surveillance and Reconnaissance (ISR) technologies/capabilities from the IC into Army systems and architectures. This Program Element includes three projects:

- 1) TENCAP Core project (907).
- 2) Tactical Intelligence Targeting Access Node (TITAN) (space) advanced development project (BX9).
- 3) Low Earth Orbit ISR (LEO ISR) development project (CC5).

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603766A I Tactical Electronic Surveillance System - Adv Dev			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	65.567	90.265	63.649	-	63.649
Current President's Budget	72.259	87.765	107.525	-	107.525
Total Adjustments	6.692	-2.500	43.876	-	43.876
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-2.500			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	6.692	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	43.876	-	43.876
Change Summary Explanation					
FY 2025 Congressional Directed Reduction of (\$2.500 million) for Underexecution.					
FY 2026 Increase of \$43.876 million in FY26 for Army Modernization investment for rapid development of Iron Quest/Iron Neptune capabilities which will provide acceleration of critical capabilities to detect, track, analyze, and exploit a wide variety of threats.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) 907 / Tactical Exploitation Of National Capabilities			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
907: Tactical Exploitation Of National Capabilities	-	29.806	50.497	98.401	-	98.401	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

TENCAP exploits national capabilities to pace evolving threats in support of operations during conflict and competition. TENCAP systems and technologies provide deep sensing to support commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.). TENCAP systems and technologies support Theater-level fires and effects, TENCAP systems enable integrated Signals Intelligence (SIGINT) / Electronic Warfare (EW) / and Cyberspace operations. TENCAP supports Army modernization priorities including Long Range Precision Fires, Advanced Deep Sensing (ADS), and Future Vertical Lift (FVL). In summary, TENCAP is a key enabler to defeating peer competitor Anti-Access / Area-Denial (A2/AD) strategies.

The Tactical Exploitation of National Capabilities (TENCAP) office serves as the Army's centralized lead to perform National Intelligence cross-agency engineering to evaluate, enhance, prototype, and transition Intelligence, Surveillance and Reconnaissance (ISR) technologies/capabilities from the National Intelligence Community (IC) into Army systems and architectures.

TENCAP programs perform two vital functions for the Army's Warfighters: (1) ensures assured access to current and future National and Commercial sensors and supporting tactical architectures; and (2) exploits and influences new developments that focus on improving the Analysis and Tasking, Collection, Processing, Exploitation, Dissemination (TCPED) of intelligence data.

FY2026 Base dollars in the amount of \$98.401 million enables systems engineering and collaborative development and prototyping on multiple National Intelligence Community (IC) advanced software and prototype developments that leverage upcoming National IC investments for Army use. This collaborative environment ensures continuous Army interoperability with National IC assets and architectures, exploits advances in commercial imagery and signal technologies, and develops prototypes and enables development and integration of Iron Quest/Iron Neptune directly supporting the Army Warfighter.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: TENCAP Cross-agency Core Engineering activities	11.862	11.802	23.140
Description: Funds cross-agency core engineering activities using organic and matrix engineering subject matter experts (SMEs). By utilizing these SMEs, TENCAP is able to collaborate, develop and exploit emerging multi-intelligence based			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>	Project (Number/Name) 907 / <i>Tactical Exploitation Of National Capabilities</i>		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
technologies to satisfy/accelerate Army Intelligence, Surveillance, Reconnaissance (ISR), Mission Command and Force Protection requirements.					
FY 2025 Plans: Incorporate Army requirements into the earliest, most cost-effective stages of National developments; prototype capabilities to ensure Army access to sensors and multi-intelligence based capabilities; monitor National Agencies' and US Space Force (USSF) emerging technologies and systems; exploit advances in national and commercial overhead capabilities.					
FY 2026 Plans: Incorporate Army requirements into the earliest, most cost-effective stages of National developments; prototype capabilities to ensure Army access to sensors and multi-intelligence based capabilities; monitor National Agencies' and US Space Force (USSF) emerging technologies and systems; exploit advances in national and commercial overhead capabilities.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase of \$11.338 million for TENCAP Core Engineering activities, integration of overhead capabilities and support for Iron Quest/Iron Neptune (IQ/IN).					
Title: Integrate US Space Force Space-based ISR capability.			-	7.500	9.611
Description: Funds the Army to integrate a classified US Space Force Capability into Army tactical ground stations in order to meet the objectives of the DoD ISR Kill Chain Program Decision Memorandum.					
FY 2025 Plans: In collaboration with USSF and classified mission partners, study and develop the architecture, prototype the software and prepare for hardware acquisition to demonstrate integration of a classified USSF Space-based ISR Capability into Army tactical ground stations.					
FY 2026 Plans: Continued collaboration with USSF and classified mission partners, study and develop the architecture, prototype the software and prepare for hardware acquisition to demonstrate integration of a classified USSF Space-based ISR Capability into Army tactical ground stations.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY2025 congressional decrease (\$2.500 million) due to under execution. FY2026 decrease (\$0.389 million) from original \$10.000 million programmed in FY26 due to approved reduction.					
Title: Air Vigilance - Advanced Software Development			16.855	30.106	5.361

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>	Project (Number/Name) 907 / <i>Tactical Exploitation Of National Capabilities</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: Enhanced intelligence, force protection, and indications and warning capabilities under Army TENCAP program to pace the proliferation and rapid advances in threat and technology.</p> <p>FY 2025 Plans: Exploit National investments and advances in Signal Intelligence (SIGINT) to ensure the Army's ability to identify and counter the rapidly evolving threat. Integrate advanced signals software into other Army prototype systems. FY23-24 increase of \$2.100M for integration into other Army SIGINT programs and architecture and \$.168M as inflation increase for total of \$2.268M.</p> <p>FY 2026 Plans: Exploit National investments and advances in Signal Intelligence (SIGINT) to ensure the Army's ability to identify and counter the rapidly evolving threat. Integrate advanced signals software into other Army programs, systems and architectures. Move from FY25 to FY26 of \$24.745 million from Air Vigilance-Advanced Software Development to TENCAP Radio Frequency Exploitation (TRFE) effort.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Move from FY25 to FY26 of \$24.745 million from Air Vigilance-Advanced Development to TENCAP Radio Frequency Exploitation (TRFE) effort.</p>			
<p>Title: TENCAP Radio Frequency Exploitation (TRFE)</p> <p>Description: Prototype capability software that informs, influences and enhances Multi-Discipline sensor systems within PEO IEW&S such as Air Vigilance (AV), to pace the threat by targeting modern digital communications systems employed by near-peer nation state militaries. Assists with Joint All-Domain Operations Radio Frequency (RF) Characterization for modern communication environments with the intent to synchronize Signal Intelligence (SIGINT), Electronic Warfare, and Cyber operations. Utilizes commercial industry components and architectures to minimize hardware costs, risk and maximizes scalability/modularity.</p> <p>FY 2025 Plans: FY25 funds will leverage National investments and advances in Signal Intelligence (SIGINT), Electronic Warfare and Cyber capabilities for use and advancement of Army and Joint Warfighter capabilities in a variety of form factors and pace the threat.</p> <p>FY 2026 Plans: FY26 funds will provide acceleration of critical capabilities to detect, track, analyze, and exploit a wide variety of threats. Provide a government-owned software framework optimized for National-to-Tactical Digital Signal Processing tasks to deliver an open, scalable Hardware Agnostic framework for rapid integration of critical warfighting capabilities to outpace the threat.</p>		1.089	60.289

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>				Project (Number/Name) 907 / <i>Tactical Exploitation Of National Capabilities</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Additional \$59.200 million to develop Iron Quest/Iron Neptune (IQ/IN) classified capabilities.												
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY26 \$59.200 million increase will accelerate the ongoing IQ/IN critical capabilities development; this includes the FY25-26 move of \$24.745 million from the Air Vigilance - Advanced Development effort.												
Accomplishments/Planned Programs Subtotals										29.806	50.497	98.401
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• 0605766A: <i>National Capabilities Integration (MIP)</i>	15.129	16.565	16.913	-	16.913	-	-	-	-	-	-	
• OMA - 122021: <i>Contractor Logistics Support and Other Weapon Support</i>	11.640	11.998	32.205	-	32.205	-	-	-	-	-	-	
Remarks FY26 Base OMA funding provides support to Army TENCAP capabilities and programs.												
D. Acquisition Strategy The Army Tactical Exploitation of National Capabilities (TENCAP) Core mission is Congressionally mandated. The Secretary of the Army chartered this organization to leverage National Intelligence Community (IC) capabilities for use by the tactical Army. TENCAP subject matter experts, in conjunction with Intelligence Community partners, conduct engineering, prototyping, testing and demonstrations of the Army's ability to receive and exploit next-generation National and commercial space-based intelligence, surveillance and reconnaissance (ISR) data through Army Intelligence collection systems. End state: This is an ongoing requirement to ensure that the Army's ability to exploit National and Commercial space-based ISR, to close the deep-sensing gap in Multi-Domain operations, and to enable rapid targeting of threats.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) 907 / Tactical Exploitation Of National Capabilities					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP Intelligence Engineers (SETA)	C/CPFF	Intrepid : Alexandria, VA	33.346	1.500	Feb 2024	1.758	Feb 2025	2.763	Feb 2026	-		2.763	Continuing	Continuing	Continuing
TENCAP Intelligence Engineers(Matrix Gov)	MIPR	Army Geospatial Center (AGC) : Alexandria, VA	14.857	1.600	Jan 2024	2.142	Jan 2025	2.251	Jan 2026	-		2.251	Continuing	Continuing	Continuing
Subtotal			48.203	3.100		3.900		5.014		-		5.014	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP core mission activities	Various	Multiple : Multiple	47.225	3.410	Jan 2024	5.161	Feb 2025	16.345	Feb 2026	-		16.345	Continuing	Continuing	Continuing
Air Vigilance advanced software development	Various	Classified : Multiple	28.551	16.055	Feb 2024	30.106	Feb 2025	5.361	Feb 2026	-		5.361	Continuing	Continuing	Continuing
TENCAP Engineering (Contractor)	C/CPFF	Sigma Defense : Perry, GA	-	2.500	Feb 2024	1.342	Feb 2025	1.387	Feb 2026	-		1.387	Continuing	Continuing	Continuing
TENCAP Radio Frequency Exploitation (TRFE)	Various	Classified : Classified	12.031	1.089	Feb 2024	1.089	Feb 2025	59.200	Feb 2026	-		59.200	Continuing	Continuing	Continuing
Space Datalink	FFRDC	MITRE : Boston, MA	-	0.131	Dec 2023	0.204	Dec 2024	-		-		-	Continuing	Continuing	Continuing
Integrate USSF ISR Capability	MIPR	Classified : Classified	-	-		5.511	Mar 2025	7.886	Mar 2026	-		7.886	Continuing	Continuing	Continuing
Subtotal			87.807	23.185		43.413		90.179		-		90.179	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP Prgm Mgmt-Dir Gov,travel,etc.	Allot	Army TENCAP : Multiple Locations	26.439	1.707	Jan 2024	1.028	Jan 2025	1.058	Jan 2026	-		1.058	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) 907 / Tactical Exploitation Of National Capabilities					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP Secured Facilities and IT support	MIPR	Army Geospatial Center (AGC) : Alexandria, VA	6.327	1.210	Feb 2024	1.256	Feb 2025	1.250	Feb 2026	-		1.250	Continuing	Continuing	Continuing
Subtotal			32.766	2.917		2.284		2.308		-		2.308	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP Lab Tests, Exercises, Simulations	MIPR	Multiple : Multiple	3.831	0.604	Dec 2023	0.900	Feb 2025	0.900	Feb 2026	-		0.900	Continuing	Continuing	Continuing
Subtotal			3.831	0.604		0.900		0.900		-		0.900	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			172.607	29.806		50.497		98.401		-		98.401	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>		Project (Number/Name) 907 / <i>Tactical Exploitation Of National Capabilities</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Core TENCAP Cross-Agency Advanced Development and Engineering	Development with Nat Intel Community																											
TGOSG - annual - guides FY27-31 POM	1				3				5				8				11				12				13			
TGOSG - annual - guides FY28-32 POM																												
TGOSG - annual - guides FY29-33 POM																												
TGOSG - annual - guides FY30-34 POM																												
TGOSG - annual - guides FY31-35 POM																												
TGOSG - annual - guides FY32-36 POM																												
TGOSG - annual - guides FY33-37 POM																												
Air Vigilance Advanced Development/System prototype efforts																												
TRFE development and prototyping efforts																												
USSF Space-Based ISR Capability Integration																												
USSF Space-Based ISR Capability Demonstration																												
IQ/IN Advanced Development & Engineering																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev		Project (Number/Name) 907 / Tactical Exploitation Of National Capabilities

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
IQ/IN Development/Integration Valiant Shield 25 Northern Edge 25 Valiant Shield 26 Northern Edge 26 Valiant Shield 27 Northern Edge 27																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>	Project (Number/Name) 907 / <i>Tactical Exploitation Of National Capabilities</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Core TENCAP Cross-Agency Advanced Development and Engineering	1	2018	4	2030
TGOSG - annual - guides FY27-31 POM	4	2024	4	2024
TGOSG - annual - guides FY28-32 POM	4	2025	4	2025
TGOSG - annual - guides FY29-33 POM	4	2026	4	2026
TGOSG - annual - guides FY30-34 POM	4	2027	4	2027
TGOSG - annual - guides FY31-35 POM	4	2028	4	2028
TGOSG - annual - guides FY32-36 POM	4	2029	4	2029
TGOSG - annual - guides FY33-37 POM	4	2030	4	2030
Air Vigilance Advanced Development/System prototype efforts	3	2013	4	2030
TRFE development and prototyping efforts	1	2018	4	2030
USSF Space-Based ISR Capability Integration	1	2025	4	2026
USSF Space-Based ISR Capability Demonstration	3	2026	4	2026
IQ/IN Advanced Development & Engineering	4	2021	4	2030
IQ/IN Development/Integration	2	2021	4	2030
Valiant Shield 25	3	2025	3	2025
Northern Edge 25	4	2025	4	2025
Valiant Shield 26	4	2026	4	2026
Northern Edge 26	4	2026	4	2026
Valiant Shield 27	4	2027	4	2027
Northern Edge 27	4	2027	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BX9: Tactical Intel Targeting Access Node Adv Develop	-	20.872	17.856	7.207	-	7.207	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

This project funds development and prototyping of space-to-ground station capabilities to provide timely assured access to National and Commercial Space-Based Intelligence, Surveillance, and Reconnaissance (ISR) sensor data supporting commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.).

Funding for TITAN Advance Development will also prototype software analytic capabilities to increase the speed, precision and accuracy of the intelligence cycle through Automated/Assisted Sensor-to-Shooter (S2S) workflows. These capabilities will be integrated into the TITAN Ground Station program.

FY2026 base funding in the amount of \$7.207 million enables the TENCAP program to provide Pre-Planned Program Improvements (P3I) engineering support to the TITAN Space Ground Station (SGS), and Space Ground Component Kits (SGCK) ensuring they continue to leverage legacy and emergent National Reconnaissance (NRO) Overhead Systems (NOS) and Commercial sensors in coordination with planned IC architectural changes. The TITAN (SGS) provide continuous development and continuous integration of next generation commercial and national space SIGINT and GEOINT sub-systems for specialized software improvements, Automated Target Recognition tools, and data-centric dissemination methods to support the Army's Long Range Precision Fires (LRPF) priority. The SGCKs are a deliverable component to the TITAN program that provides TITAN access to space capabilities. The first SGCK was integrated into the TITAN program architecture in FY24 and consists of a mission critical small form-factor antenna and specialized processing software that provide rapid availability of National Reconnaissance Office (NRO) Overhead Systems (NOS) Geospatial Intelligence (GEOINT) and Signal Intelligence (SIGINT) data from Theater, National and Commercial sources.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Tactical Intelligence Targeting Access Node (TITAN) Adv Development Prototype System	20.872	9.689	4.897
Description: Development and delivery of Space Ground Component Kits (SGCKs) to the TITAN program, integration of newly developed sensor and analytic capabilities into TITAN Variants and SGCKs.			
FY 2025 Plans: Improve TITAN (space) Pre-Prototypes, TITAN Variant, and Space Ground Component Kits (SGCK) through Pre-Planned Program Improvements (P3I) to ensure they continue to leverage legacy and emergent NOS and Commercial sensors in			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev			Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
collaboration with required systems to receive required products through planned IC architectural changes over time. This will be accomplished by integrating planned Commercial and IC space-based sensors. FY 2026 Plans: Engineering support to the TITAN Variants, and Space Ground Component Kits (SGCK) through Pre-Planned Program Improvements (P3I) to ensure they continue to leverage legacy and emergent NOS and Commercial sensors in collaboration with required systems to receive required products through planned IC architectural changes over time. FY 2025 to FY 2026 Increase/Decrease Statement: Resource requirements decrease (\$4.792 million) in FY26 due an approved reduction.											
Title: TITAN Space Ground Station (SGS) Sustainment and Engineering Support, Exercises and Demonstrations Description: Operations and sustainment of existing TITAN Space Ground Station (SGS) and TITAN Variant to meet exercise and demonstration requirements. FY 2025 Plans: Sustainment and engineering support to TPP 1 & 2 and the TITAN variant delivered to the Multi-Domain Task Force (MDTF) units for experimentation and demonstration. This will enable continued learning for the TITAN PoR through exercise participation, soldier touchpoints, Soldier Informed Development (SID) and maturation of prototype. FY 2026 Plans: Maintain sustainment and engineering support to TITAN (SGS), TITAN Variant, and Space Ground Component Kits (SGCK) to enable continued learning and experimentation efforts through exercise participation and maturation of prototype components. These lessons learned will continue to inform the TITAN program and act as additional interfaces for soldier feedback. FY 2025 to FY 2026 Increase/Decrease Statement: Resource requirements decrease (\$5.875 million) in FY26 due an approved reduction.							-	8.167	2.310		
Accomplishments/Planned Programs Subtotals							20.872	17.856	7.207		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• 0605766A: National Capabilities Integration (MIP)	15.129	16.565	16.913	-	16.913	-	-	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillan ce System - Adv Dev	Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop	

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
-----------	---------	---------	-----------------	----------------	------------------	---------	---------	---------	---------	---------------------	------------

Remarks

BX9 development activities are conducted in concert with integration funded in PE 0605766A BV3.

D. Acquisition Strategy

The TITAN Space Ground Station (SGS) requirement was validated by the TENCAP General Officer Steering Group (TGOSG). In order to maximize agility and innovation in acquisition, TENCAP worked with the Defense Innovation Unit (DIU) to establish an Other Transaction Authority (OTA) agreement to develop the TITAN (SGS) and follow-on SGCK capabilities. The TITAN (SGS) provides a modernized, deployable, ground station capable of rapidly and semi-autonomously tasking, receiving, processing, exploiting, fusing, and disseminating space-based sensor data to provide networked situational awareness and direct tactical support to Army commanders at echelon. The TITAN (SGS) continues to reduce Sensor-to-Shooter (S2S) latency to allow timely intelligence support to the commander. The TITAN (SGS) uses an agile acquisition strategy and will continue to maximize non-proprietary/modular open system architectures (MOSA), to enable easy upgrade of software/firmware, analytics/algorithms, and ingest additional data streams as commercial vendors and national data become available. This OTA was preceded by Soldier touchpoints to inform this acquisition, and Soldier engagement is planned throughout the development and demonstration of the TITAN (SGS). The capabilities successfully demonstrated in the TITAN (SGS) are used to develop the SGCK that is integrated into the TITAN program and will be improved and updated as required to ensure continued effectivity throughout planned National Overhead System Architecture changes. The capabilities and interfaces will be analyzed and updated as required to ensure continued effectivity throughout planned National Overhead System Architecture changes.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN Engineering Services	MIPR	Army Geospatial Center (AGC) : Alexandria, VA	3.001	1.369	Jan 2024	1.733	Jan 2025	0.966	Jan 2026	-		0.966	Continuing	Continuing	Continuing
TITAN Space Ground Station (SGS) Prototype Engineering Services	C/CPFF	Strategic ACI : Alexandria, VA	-	-		-		2.171	Mar 2026	-		2.171	Continuing	Continuing	Continuing
Subtotal			3.001	1.369		1.733		3.137		-		3.137	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN Space Ground Station (SGS) Development	C/CPFF	Northrop Grumman : Aurora, CA	33.606	11.334	Feb 2024	7.758	Feb 2025	0.992	Feb 2026	-		0.992	Continuing	Continuing	Continuing
Subtotal			33.606	11.334		7.758		0.992		-		0.992	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN Space Ground Station (SGS) Operations and Support, Exercises and Demonstrations	MIPR	Army TENCAP : Alexandria, VA	4.151	7.242	Feb 2024	8.167	Feb 2025	3.078	Feb 2026	-		3.078	Continuing	Continuing	Continuing
Subtotal			4.151	7.242		8.167		3.078		-		3.078	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev						Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN Space Ground Station (SGS) Test and Exercises	MIPR	Multiple : Miltiple	2.016	0.927	Jan 2024	0.198	Feb 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			2.016	0.927		0.198		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			42.774	20.872		17.856		7.207		-		7.207	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev		Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
National Overhead Systems (NOS) Integration																												
Risk Reduction w/Legacy Ground Systems																												
TITAN Space Ground Station (SGS) Demonstrations and Asse...																												
Contract Award		2																										
Continued advancement for Space capabilities via exercises																												
Project Convergence 24	1																											
Dynamic Front 24				4																								
Defender Pacific 24		3																										
Northern Edge 24				5																								
Sensor to Shooter (S2S) Exercise				6																								
Project Convergence 25 (Technology Demonstration Exercise)				7																								
Northern Edge 25 (S2S Exercise)								8																				
Balikatan 25 (S2S Exercise)								9																				

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4									R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev								Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop											
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Project Convergence 26 (Technology Demonstration Exercise)									10																			
Northern Edge 26										11																		
Balikatan 26										12																		
Arcane Thunder 26										13																		

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev	Project (Number/Name) BX9 / Tactical Intel Targeting Access Node Adv Develop	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
National Overhead Systems (NOS) Integration	1	2021	4	2030
Risk Reduction w/Legacy Ground Systems	1	2020	1	2031
TITAN Space Ground Station (SGS) Demonstrations and Assessment	4	2022	1	2032
Contract Award	2	2024	2	2024
Continued advancement for Space capabilities via exercises	1	2022	4	2028
Project Convergence 24	1	2024	1	2024
Dynamic Front 24	4	2024	4	2024
Defender Pacific 24	2	2024	2	2024
Northern Edge 24	4	2024	4	2024
Sensor to Shooter (S2S) Exercise	1	2025	1	2025
Project Convergence 25 (Technology Demonstration Exercise)	1	2025	1	2025
Northern Edge 25 (S2S Exercise)	4	2025	4	2025
Balikatan 25 (S2S Exercise)	4	2025	4	2025
Project Convergence 26 (Technology Demonstration Exercise)	1	2026	1	2026
Northern Edge 26	4	2026	4	2026
Balikatan 26	4	2026	4	2026
Arcane Thunder 26	4	2026	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev				Project (Number/Name) CC5 / Low Earth Orbit (LEO) / Intel Surv Recon (ISR)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CC5: Low Earth Orbit (LEO) / Intel Surv Recon (ISR)	-	21.581	19.412	1.917	-	1.917	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

Low Earth Orbit (LEO) Intelligence, Surveillance and Reconnaissance (ISR) directly supports the Army All Domain Sensing (ADS) Counter - Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR) Operations, Electronic Warfare (EW), Navigation Warfare (NAVWAR) and Long Range Precision Fires (LRPF) modernization priorities.

The LEO ISR effort will provide prototyping, development, and experimentation of All Domain sensors and Effectors (including electro optical, synthetic aperture radar, radio frequency, and hyperspectral) and Counter - Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR) Operations, Electronic Warfare, (EW), Navigation Warfare (NAVWAR) and Alternative Positioning, Navigation, and Timing (ALTPNT) systems, which are designed to provide wide-area, responsive, all domain sensing and alternative signal sources required for beyond-line-of-sight (BLOS) targeting and force maneuver. The BLOS sensing will significantly reduce Sensor-to-Shooter (S2S) timelines and reliance on current, at-risk signal sources. Follow-on, persistent, prototype, tactical sensor and alternative signal capabilities will be integrated with the Army Tactical Intelligence Targeting Access Node (TITAN) ground station and theater gateways. The prototype sensor capabilities will provide direct tasking, assured access, and freedom of maneuver directly supporting live-fire, S2S demonstrations and assessments.

FY2026 Base funding in the amount of \$1.917 million provides prototyping, experimentation, and risk reduction activities to All Domain sensors and Effectors, C-C5ISR, EW, NAVWAR and ALTPNT prototype systems, supporting wide-area, responsive, and deep-area sensing and force maneuver. It will enable ground stations to dynamically task, receive and disseminate data to directly support live-fire and Persistent Experimentation (PE) demonstrations and assessments.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: CC5 / Low Earth Orbit (LEO) Intel Surv Recon (ISR)	21.581	19.412	1.917
Description: The LEO ISR effort provides prototyping, development and experimentation of All Domain sensors (including electro-optical, synthetic aperture radar, and radio frequency, and hyperspectral) and Counter - Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR) Operations, Electronic Warfare, (EW), Navigation Warfare (NAVWAR) and Alternative Positioning, Navigation, and Timing (ALTPNT) systems, which are designed to provide wide area, responsive, all domain sensing required for beyond-line-of-sight (BLOS) targeting and			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>	Project (Number/Name) CC5 / <i>Low Earth Orbit (LEO) / Intel Surv Recon (ISR)</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p>force maneuver, and will significantly reduce Sensor-to-Shooter (S2S) timelines and reliance on current, at-risk signal sources. Follow-on persistent prototype tactical sensor and alternative signal capabilities will be integrated with the Army TITAN ground station and theater gateways. The prototype sensor capabilities will provide direct tasking, assured access, and freedom of maneuver directly supporting live-fire and Persistent Experimentation (PE) demonstrations and assessments.</p> <p><i>FY 2025 Plans:</i> FY2025 Base funding in the amount of \$19.412 million provides prototyping, experimentation, and risk reduction activities to space-based sensor and ALTPNT prototype systems, supporting wide-area, responsive, and all domain sensing and force maneuver. It will enable ground stations to dynamically task, receive and disseminate data to directly support live-fire S2S demonstrations and assessments.</p> <p><i>FY 2026 Plans:</i> FY2026 Base funding in the amount of \$1.917 million provides prototyping, experimentation, and risk reduction activities to All Domain sensors and Effectors, C-C5ISR, EW, NAVWAR and ALTPNT prototype systems, supporting wide-area, responsive, and deep-area sensing and force maneuver. It will enable ground stations to dynamically task, receive and disseminate data to directly support live-fire and Persistent Experimentation (PE) demonstrations and assessments.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease of \$17.495 million due to completion of High Altitude platform and sensor prototyping and experimentation which informed a High Altitude requirements document.</p>			
Accomplishments/Planned Programs Subtotals	21.581	19.412	1.917

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• 0604035A: <i>Low Earth Orbit (LEO) Satellite Capability</i>	37.433	21.935	17.063	-	17.063	-	-	-	-	-	-

Remarks

Development by Project CC5 "LEO ISR" are in conjunction and complement efforts funded by Project BX7 "LEO Satellite Capability." ref. PE 0604035A.BX7

D. Acquisition Strategy

The LEO ISR effort supports work with the Intelligence Community (IC), our Mission Partner, and the Space Development Agency, other Cross Functional Teams, Army Capability Managers (ACMs), Labs, and academia on the prototyping, development, experimentation and support of prototype sensors across all domains. These include electro optical, synthetic aperture radar, radio frequency, and hyperspectral, as well as Counter - Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR) Operations, Alternative Positioning, Navigation, and Timing (ALTPNT), Electronic Warfare

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev	Project (Number/Name) CC5 / Low Earth Orbit (LEO) / Intel Surv Recon (ISR)
<p>(EW), and Navigation Warfare (NAVWAR) systems. These sensors are designed to provide wide-area, responsive, all domain sensing required for BLOS targeting and force maneuver, significantly reducing S2S timelines. Follow-on, persistent, prototype sensor capabilities (FY2026-2030) will be integrated with the Army TITAN ground station and theater gateways, which will provide direct tasking, assured access, and freedom of maneuver directly supporting live-fire Persistent Experimentation (PE) demonstrations and assessments. Existing Mission Partner contracts and Aviation & Missile Technology Consortium (AMTC) Other Transaction Authority (OTAs) will be used for the assessment of prototype development, engineering services and test and evaluation support.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603766A / <i>Tactical Electronic Surveillance System - Adv Dev</i>						Project (Number/Name) CC5 / <i>Low Earth Orbit (LEO) / Intel Surveillance Recon (ISR)</i>			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Prototype Development and Engineering Services Support	C/CPFF	A-PNT /S : Multiple Locations	9.000	3.000	Jun 2024	2.500	Jun 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			9.000	3.000		2.500		-		-		-	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Development (Classified)	MIPR	Classified : Classified	85.537	15.181	Jan 2024	14.612	Jan 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			85.537	15.181		14.612		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Program MGMT	Various	APNT CFT/S : Huntsville, AL	6.000	1.900	Jun 2024	1.000	Jun 2025	0.400	Jun 2026	-		0.400	Continuing	Continuing	Continuing
Subtotal			6.000	1.900		1.000		0.400		-		0.400	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Prototype Tests and Evaluations	Various	Multiple : Multiple	10.000	1.500	Jan 2024	1.300	Jan 2025	1.517	Jan 2026	-		1.517	Continuing	Continuing	Continuing
Subtotal			10.000	1.500		1.300		1.517		-		1.517	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025				
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev					Project (Number/Name) CC5 / Low Earth Orbit (LEO) / Intel Surveillance Recon (ISR)					
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			110.537	21.581		19.412		1.917		-		1.917	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev								Project (Number/Name) CC5 / Low Earth Orbit (LEO) / Intel Surveillance System - Adv Dev																			
Event Name										FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CC5 / Low Earth Orbit (LEO) / Intel Surveillance System - Adv Dev																																					
										prototyping, development, and experimentation																											

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603766A / Tactical Electronic Surveillance System - Adv Dev	Project (Number/Name) CC5 / Low Earth Orbit (LEO) / Intel Sur Recon (ISR)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CC5 / Low Earth Orbit (LEO) / Intel Sur Recon (ISR)	1	2022	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0603774A / Night Vision Systems Advanced Development							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	41.941	20.714	5.153	-	5.153	-	-	-	-	-	-
BQ5: Visual Augmentation System Advanced Development	-	24.410	10.193	-	-	-	-	-	-	-	-	-
VT7: Soldier Maneuver Sensors - Adv Dev	-	15.593	8.507	3.142	-	3.142	-	-	-	-	-	-
VT8: SOLDIER PRECISION TARGETING DEVICES - ADV DEV	-	1.938	2.014	2.011	-	2.011	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

A portion of this funding line is directly aligned to the Army Soldier Lethality Modernization Priority in support of situational awareness for the Close Combat Soldier. This Program Element focuses on efforts to evaluate and integrate technologies and representative prototype systems that facilitate the development of Soldier-borne sensor devices transitioning from the laboratory to operational use. Efforts focus on proving out commonality across as broad a spectrum of users as possible to provide enhanced Soldier products, giving them superiority on the battlefield.

Project BQ5 (Visual Augmentation System-Advanced Development) This project evaluates and integrates technologies and representative prototype systems transitioning from the Science and Technology (S&T) stage. It develops the next generation augmented vision and situational awareness system providing Soldiers and Squads a single platform for increased lethality, mobility, and situational awareness to achieve overmatch against our current and future adversaries. Funded efforts accelerate the development of components, Heads Up Display (HUD) improvements, terrain shared coordinate data and processing, algorithms including machine learning/artificial intelligence, human machine integration, and demonstrations in support of the next generation augmented vision and situational awareness system. Efforts will provide rapid decision making and passive targeting capabilities with the integration of external video and data sources such as weapon sights, air and ground platforms, unmanned air and ground assets, and other data sources enabled by edge computing devices and advanced network services. This project will provide data driven analytics to optimize unit performance and enhance lethality and to enable training in a mixed reality environment. This project includes costs for efforts associated with edge computing platforms, movement of information and high-level processing, integration, and interface of products with the Soldiers' head, body, weapon, and platforms. Funding in this project aligns with the Army's Continuous Transformation priorities and the National Defense Strategy. This project supports the Soldier Lethality Cross Functional Team.

Project VT7 (Soldier Maneuver Sensors-Advanced Development) project enables development of emerging capabilities for the maneuver force, that are envisioned by the Soldier Lethality Cross Functional Team, the Maneuver Center of Excellence (MCoE), the Maneuver Capabilities Development Integration Directorate (MCDID), the Science and Technology (S&T) community, industry partners or the acquisition workforce that may provide the Soldier or Squad increased capability to "fight, win and survive, day and night, in a multi- domain environment now and tomorrow". This project also allows pursuit of technology breakthroughs that challenge current technical solutions and have the potential for providing increased Soldier performance. This effort focuses on capabilities that enable modernization of Soldier sensor and laser

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>		R-1 Program Element (Number/Name) PE 0603774A / <i>Night Vision Systems Advanced Development</i>
<p>devices, including digital features and enhanced solutions including maneuver capabilities to detect, recognize and identify targets, and to provide target acquisition and handoff but not limited to capabilities to mitigate threats. The integration of higher performing multi-spectral sensors with smart processing will provide adjusted weapon sight reticles and leverage network connectivity for improved situational awareness/understanding. Additional project capabilities include advanced optical components and assemblies and techniques for signature management, resiliency across the electromagnetic spectrum, and integration of a modular design structure for target acquisition applications including support for wireless data transfer, passive range determination, technologies for working in a global positioning system (GPS) contested environment, advanced GPS replacement technologies and mitigation of manned and unmanned threat sensor systems. This project supports efforts to evaluate and integrate technologies and representative prototype systems including Micro Electronics Modules (MEMS) technology with improved size, weight and power for development of modernized Soldier sensor capabilities transitioning from the S&T stage to operational use. This project includes costs for efforts associated with development, certification, verification and validation of interface products into the Adaptive Squad Architecture (ASA). This project also includes development of tools and emulators of ASA components. Funding in this project aligns with Army's priorities in support of the National Defense Strategy.</p> <p>Project VT8 (Soldier Precision Targeting Devices - Advanced Development) enables development of emerging technologies that are envisioned by the Fires Center of Excellence (FCoE), the Fires Capabilities Development and Integration Directorate (FCDID), the Science and Technology (S&T) community, industry partners and the acquisition workforce that provide the Fire Support Soldier increased capability and reduced weight to improve operational effectiveness. This project focuses on developing component technologies and representative prototype systems for Soldier portable precision targeting devices to continue improvements to system performance while reducing size, weight, and power required by those systems. The effort will consider emerging Micro-Electronic Modules (MEMs) technologies for improved efficiency and performance. Efforts will improve the Soldier's ability to precisely locate and laser designate targets across a broader range of operating environments, including all weather conditions and in GPS-contested environments using active and passive methods and technologies. Component technology development will precede integration into specific systems and will include improved Precision Azimuth and Vertical Angle Measurement (PAVAM) devices; solid-state, improved lasers for range finding/designation/markings; novel passive target acquisition methods; electro-optical sensors such as infrared, near-infrared, ultra-violet, and visible spectrum imagers; sensor and data fusion; laser designator spot detection and imaging; integration of advanced power management technologies, and Global Positioning System (GPS) M-Code receivers. The effort will also develop, mature and integrate next generation sensors to enable Human Machine Integration improving situational awareness and combat overmatch in complex environments. Funding in this project aligns with Army's priorities in support of the National Defense Strategy.</p> <p>The FY 2026 request was reduced by \$0.063 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."</p> <p>The FY 2026 cost of the Integrated Visual Augmentation System (IVAS) Middle Tier of Acquisition effort is \$85.5 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.</p>		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603774A I Night Vision Systems Advanced Development				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		73.675	64.113	50.097	-	50.097
Current President's Budget		41.941	20.714	5.153	-	5.153
Total Adjustments		-31.734	-43.399	-44.944	-	-44.944
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-42.600	-11.349			
• Congressional Rescissions		-	-			
• Congressional Adds		12.000	8.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-1.134	-			
• Adjustments to Budget Years		-	-40.050	-44.944	-	-44.944
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: BQ5: Visual Augmentation System Advanced Development						
Congressional Add: AI Enabled Tactical Intelligence						
Congressional Add Subtotals for Project: BQ5						
Project: VT7: Soldier Maneuver Sensors - Adv Dev						
Congressional Add: Wafer-scale Image Intensifier Technology						
Congressional Add: Immersive AR/VR for UAS						
Congressional Add Subtotals for Project: VT7						
Congressional Add Totals for all Projects						
Change Summary Explanation						
Decrease in FY 2026 funding from the previous PB to the current PB due to decrease in Integrated Visual Augmentation System's System, Test and Evaluation.						
All Component level development testing was completed in FY 2025.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) BQ5 / Visual Augmentation System Advanced Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BQ5: Visual Augmentation System Advanced Development	-	24.410	10.193	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project evaluates and integrates technologies and representative prototype systems transitioning from the Science and Technology (S&T) stage. It develops the next generation augmented vision and situational awareness system providing Soldiers and Squads a single platform for increased lethality, mobility, and situational awareness to achieve overmatch against our current and future adversaries.

Funded efforts accelerate the development of components, Heads Up Display (HUD) improvements, terrain shared coordinate data and processing, algorithms including machine learning/artificial intelligence, human machine integration, and demonstrations in support of the next generation augmented vision and situational awareness system. Efforts will provide rapid decision making and passive targeting capabilities with the integration of external video and data sources such as weapon sights, air and ground platforms, unmanned air and ground assets, and other data sources enabled by edge computing devices and advanced network services.

This project will provide data driven analytics to optimize unit performance and enhance lethality and to enable Synthetic Training Environment (STE) squad capability to perform live mixed reality training and rehearsing. This project includes costs for efforts associated with edge computing platforms, movement of information and high-level processing, integration, and interface of products with the Soldiers' head, body, weapon, and platforms. Funding in this project aligns with the Army's priorities in support of the National Defense Strategy. This project supports the Soldier Lethality Cross Functional Team.

The FY 2026 cost of the Integrated Visual Augmentation System (IVAS) Middle Tier of Acquisition effort is \$85.5 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Soldier Borne Mission Command (SBMC), previously named Integrated Visual Augmentation Systems (IVAS)	24.410	7.193	-
Description: Soldier Borne Mission Command (SBMC) provides Soldiers and Squads a single platform for increased lethality, mobility, and situational awareness to achieve overmatch against our current and future adversaries. IVAS is transitioning to Soldier Borne Mission Command (SBMC), which builds on IVAS by delivering a modular, fused digital awareness system that enhances lethality, mobility, and situational awareness for dismounted Soldiers.			
FY 2025 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603774A / <i>Night Vision Systems Advanced Development</i>				Project (Number/Name) BQ5 / <i>Visual Augmentation System Advanced Development</i>			

B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Continue improvements to SBMC design using improved sensors, displays and other hardware components and software into SBMC. Improve imaging sensors, develop Artificial Intelligence (AI) data integration, and enhance extensibility with application development.					
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease in FY 2026 funding from the previous PB to the current PB due to refocusing SBMC system improvements and additional extensibility and architecture work to PE 0604710A.BQ6.					
Accomplishments/Planned Programs Subtotals			24.410	7.193	-

	FY 2024	FY 2025
<i>Congressional Add:</i> AI Enabled Tactical Intelligence	-	3.000
<i>FY 2025 Plans:</i> This effort will fund the development of an extensibility application that uses AI-Enabled tactical intelligence. This application will be compatible with Soldier Borne Mission Command (SBMC) Architecture and integrate with SBMC Surrogate (i.e. IVAS 1.2) hardware.		
Congressional Adds Subtotals	-	3.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• K36402: <i>IVAS/Heads Up Display</i>	45.460	245.491	-	-	-	-	-	-	-	-	-
• BQ6: <i>Visual Augmentation System Eng Dev</i>	108.766	79.233	308.038	-	308.038	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

This project utilizes competitively awarded contracts using best value source selection procedures.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) BQ5 / Visual Augmentation System Advanced Development					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	MIPR	Various : Various	6.007	1.367	May 2025	2.568	Nov 2024	-		-		-	0.000	9.942	-
SBIR/STTR	TBD	VARIOUS : VARIOUS	-	-		0.377	Jun 2025	-		-		-	0.000	0.377	-
Subtotal			6.007	1.367		2.945		-		-		-	0.000	10.319	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Heads Up Display (HUD)	C/FFP	Microsoft : Redmond, WA	296.068	15.186	Jun 2025	3.000	Aug 2025	-		-		-	0.000	314.254	-
Heads Up Display (HUD)	TBD	To Be Determined : To Be Determined	9.577	3.431	Mar 2025	3.589	Aug 2025	-		-		-	0.000	16.597	-
Vehicle Integration	MIPR	Various : Huntsville, AL	2.110	2.894	Nov 2024	-		-		-		-	0.000	5.004	-
Subtotal			307.755	21.511		6.589		-		-		-	0.000	335.855	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems, Test and Evaluation	TBD	Various : Various	1.657	1.532	Mar 2025	0.659	Jun 2025	-		-		-	0.000	3.848	-
Subtotal			1.657	1.532		0.659		-		-		-	0.000	3.848	N/A
Remarks															
The decrease between FY 2025 and FY 2026 is because IVAS completed all component/subsystem level development and integration in FY 2025 and do not require such activities in FY 2026.															

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development					Project (Number/Name) BQ5 / Visual Augmentation System Advanced Development				
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	315.419	24.410		10.193		-		-		-	0.000	350.022	N/A	

Remarks
Some cost categories include multiple efforts, so award date is the last scheduled award date.

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development								Project (Number/Name) BQ5 / Visual Augmentation System Advanced Development										
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1.2 Tech Insertion	<div><div></div>Development</div>				<div>Development</div>																							
HUD and System Improvements																												
Integration and Extensibility																												
	Development																											

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development	Project (Number/Name) BQ5 / Visual Augmentation System Advanced Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
1.2 Tech Insertion	1	2023	2	2024
HUD and System Improvements	1	2025	4	2025
Integration and Extensibility	2	2023	4	2025

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) VT7 / Soldier Maneuver Sensors - Adv Dev			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
VT7: Soldier Maneuver Sensors - Adv Dev	-	15.593	8.507	3.142	-	3.142	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project enables development of emerging capabilities for the maneuver force, that are envisioned by the Soldier Lethality Cross Functional Team, the Maneuver Center of Excellence (MCoE), the Maneuver Capabilities Development Integration Directorate (MCDID), the Science and Technology (S&T) community, industry partners or the acquisition workforce that may provide the Soldier or Squad increased capability to "fight, win and survive, day and night, in a multi- domain environment now and tomorrow". This project also allows pursuit of technology breakthroughs that challenge current technical solutions and have the potential for providing increased Soldier performance. This effort focuses on capabilities that enable modernization of Soldier sensor and laser devices, including digital features and enhanced solutions including maneuver capabilities to detect, recognize and identify targets, and to provide target acquisition and handoff but not limited to capabilities to mitigate threats. The integration of higher performing multi-spectral sensors with smart processing will provide adjusted weapon sight reticles and leverage network connectivity for improved situational awareness/understanding. Additional project capabilities include advanced optical components and assemblies and techniques for signature management, resiliency across the electromagnetic spectrum, and integration of a modular design structure for target acquisition applications including support for wireless data transfer, passive range determination, technologies for working in a global positioning system (GPS) contested environment, advanced GPS replacement technologies and mitigation of manned and unmanned threat sensor systems. This project supports efforts to evaluate and integrate technologies and representative prototype systems including Micro Electronics Modules (MEMS) technology with improved size, weight and power for development of modernized Soldier sensor capabilities transitioning from the S&T stage to operational use. This project includes costs for efforts associated with development, certification, verification and validation of interface products into the Adaptive Squad Architecture (ASA). This project also includes development of tools and emulators of ASA components. Funding in this project aligns with Army's priorities in support of the National Defense Strategy.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Soldier Enhanced Sensing Capabilities	3.593	3.507	3.142
Description: Soldier Enhanced Sensing Capabilities provides the next generation vision capabilities for day and night that will reduce the Soldier's burden and allow hands free operation. Soldier Enhanced Sensing Capabilities will provide automatic adjustment of imagery and matched sensor fields of view. This effort will further enhance day/night Rapid Target Acquisition (RTA) capabilities by ensuring goggle connectivity to weapon sights, and improved situational capabilities by enabling day/night data display on the Soldier Warrior End User Device/Computer (EUD) and Soldier Borne Sensor systems. The goggle interface will be compatible with Integrated Visual Augmentation System (IVAS) displays. This effort considers methods for obtaining range estimates without the use of active laser devices and extends the ability to send/receive data to the EUD to support advanced EUD applications by processing of sensor video, integrating it with external data sources, and producing advanced processed imagery with overlay data display. This effort will review and consider improved antenna designs and placement to maximize			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603774A / <i>Night Vision Systems Advanced Development</i>		Project (Number/Name) VT7 / <i>Soldier Maneuver Sensors - Adv Dev</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>efficiencies of wireless communications. This effort will further work to reduce size, weight and power of sensor and laser components including consideration of MEMS technology and considers IVAS successes to explore integrated digital, low profile, conformal day/night displays. This effort considers alternatives to potentially replace or augmenting the aging fleet of fielded night vision devices with a digital Near-Infrared (NIR) device, a peripheral overlay device, a bi-focal lens vision device, an adjustable objective lens, a wide field of view device and/or a white phosphor night vision device.</p> <p>FY 2025 Plans: Continue development and integration of Augmented Reality (AR), Artificial Intelligence (AI) and Machine Learning (ML) as they relate to Soldier Maneuver platforms. Integrate and analyze benefits versus size, weight and power impacts of emerging RTI technologies that immerse the individual Soldier in the Digital Battlefield.</p> <p>FY 2026 Plans: Continue development and integration of Augmented Reality (AR), Artificial Intelligence (AI) and Machine Learning (ML) as they relate to Soldier Maneuver platforms. Integrate and analyze benefits versus size, weight and power impacts of emerging RTI technologies that immerse the individual Soldier in the Digital Battlefield.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to Machine Line Development efforts completed in FY2025.</p>					
Accomplishments/Planned Programs Subtotals			3.593	3.507	3.142
			FY 2024	FY 2025	
Congressional Add: Wafer-scale Image Intensifier Technology			5.000	-	
FY 2024 Accomplishments: Continued development and integration of Wafer-scale Image Intensifier technology.					
Congressional Add: Immersive AR/VR for UAS			7.000	5.000	
FY 2024 Accomplishments: Continued development and integration of Augmented Reality (AR), Artificial Intelligence (AI) and Machine Learning (ML) as they relate to Soldier Maneuver platforms.					
FY 2025 Plans: Continued development and integration of Immersive AR/VR for UAS					
Congressional Adds Subtotals			12.000	5.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development		Project (Number/Name) VT7 / Soldier Maneuver Sensors - Adv Dev

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026	FY 2026	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Cost To	Total Cost
			Base	OOB	Total					Complete	
• L67: Soldier Night Vision Devices	2.949	22.140	5.227	-	5.227	-	-	-	-	-	-
• B53800: Laser Target Locator Systems	17.009	21.660	-	-	-	-	-	-	-	-	-
• K35110: Small Tactical Optical Rifle Mounted MLRF	15.484	10.864	2.111	-	2.111	-	-	-	-	-	-
• K36400: Helmet Mounted Enhanced Vision Devices	371.903	100.292	114.110	-	114.110	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The various developmental programs in this project continue to exercise competitively awarded contracts using best value source selection procedures.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) VT7 / Soldier Maneuver Sensors - Adv Dev					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Various : Arlington, VA	2.411	0.281	Jul 2024	0.127	Dec 2024	0.367	Nov 2025	-		0.367	Continuing	Continuing	-
SBIR/STTR	TBD	Various : Various	-	-		0.133		0.115		-		0.115	0.000	0.248	-
Subtotal			2.411	0.281		0.260		0.482		-		0.482	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Soldier Enhanced Sensing Capabilities	MIPR	Various : Various	35.862	15.125	Aug 2024	3.037	Jan 2025	2.505	May 2026	-		2.505	Continuing	Continuing	-
Augmented Reality / Virtual Reality	TBD	TBD : TBD	-	-		5.000		-		-		-	0.000	5.000	-
Subtotal			35.862	15.125		8.037		2.505		-		2.505	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Matrix Support	MIPR	C5ISR (RTI) : FT BELVOIR, VA	2.488	0.187	Mar 2024	0.210	Dec 2024	0.155	Dec 2025	-		0.155	Continuing	Continuing	-
Subtotal			2.488	0.187		0.210		0.155		-		0.155	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			40.761	15.593		8.507		3.142		-		3.142	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development		Project (Number/Name) VT7 / Soldier Maneuver Sensors - Adv Dev

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Soldier Enhanced Sensing Capabilities																												
	Development																											
Immersive AR/VR for Unmanned Aircraft System																												
	Development																											

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development	Project (Number/Name) VT7 / Soldier Maneuver Sensors - Adv Dev	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Soldier Enhanced Sensing Capabilities	1	2019	4	2030
Immersive AR/VR for Unmanned Aircraft System	4	2023	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) VT8 / SOLDIER PRECISION TARGETING DEVICES - ADV DEV			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
VT8: SOLDIER PRECISION TARGETING DEVICES - ADV DEV	-	1.938	2.014	2.011	-	2.011	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project enables development of emerging technologies that are envisioned by the Fires Center of Excellence (FCoE), the Fires Capabilities Development and Integration Directorate (FCDID), the Science and Technology (S&T) community, industry partners and the acquisition workforce that provide the Fire Support Soldier increased capability and reduced weight to improve operational effectiveness. This project focuses on developing component technologies and representative prototype systems for Soldier portable precision targeting devices to continue improvements to system performance while reducing size, weight, and power required by those systems. The effort will consider emerging Micro-Electronic Modules (MEMs) technologies for improved efficiency and performance. Efforts will improve the Soldier's ability to precisely locate and laser designate targets across a broader range of operating environments, including all weather conditions and in Global Positioning System (GPS)-contested environments using active and passive methods and technologies. Component technology development will precede integration into specific systems and will include improved Precision Azimuth and Vertical Angle Measurement (PAVAM) devices; solid-state, improved lasers for range finding/designation/marketing; novel passive target acquisition methods; electro-optical sensors such as infrared, near-infrared, ultra-violet, and visible spectrum imagers; sensor and data fusion; laser designator spot detection and imaging; integration of advanced power management technologies, and GPS military-code (M-Code) receivers. The effort will also develop, mature and integrate next generation sensors to enable Human Machine Integration (HMI) improving situational awareness and combat overmatch in complex environments. Funding in this project aligns with Army's priorities in support of the National Defense Strategy.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Precision Pointing and Navigation Component Development	1.938	2.014	2.011
Description: This project supports development of advanced components, prototype systems and integration for future Soldier-borne precision targeting devices. Dismounted Soldiers will have the capability to rapidly acquire, accurately locate, positively identify, and precisely designate targets and battlefield threats 24/7, across a broader range of complex operating environments (all weather conditions, GPS-contested) and improve situational awareness to achieve combat overmatch using active and passive methodologies and technologies.			
FY 2025 Plans: FY 2025 resources will continue the development and initiate testing of component technologies and mature sub-system integration for PAVAM devices to achieve reduced size, weight and power. These resources will also continue to develop technologies that allow precision targeting systems to operate in GPS-contested environments.			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army						Date: June 2025					
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development		Project (Number/Name) VT8 / SOLDIER PRECISION TARGETING DEVICES - ADV DEV						
B. Accomplishments/Planned Programs (\$ in Millions)						FY 2024	FY 2025				
FY 2026 resources will continue the development and testing of component technologies and mature sub-system integration of inertial navigation devices and develop technologies that allow precision target locator systems to operate in complex environments while achieving reduced system size, weight and power. These resources will also continue the development and integration of next generation sensors to enable human machine integration and improve situational awareness via dynamic targeting and target tracking. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease reflects a minor change in priorities that is still consistent with the planned lifecycle of this effort.											
Accomplishments/Planned Programs Subtotals						1.938	2.014				
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• L79: Joint Effects Targeting Systems (JETS)	23.283	20.013	12.580	-	12.580	-	-	-	-	-	-
• K32101: JOINT EFFECTS TARGETING SYSTEM (JETS)	8.932	8.826	48.715	-	48.715	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The various developmental programs in this project continue to exercise competitively awarded contracts using best value source selection procedures.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development				Project (Number/Name) VT8 / SOLDIER PRECISION TARGETING DEVICES - ADV DEV					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	MIPR	Various : Various	0.547	-		0.251	Jul 2025	0.240	Feb 2026	-		0.240	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	Various : Various	-	-		0.077		-		-		-	0.000	0.077	-
Subtotal			0.547	-		0.328		0.240		-		0.240	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Precision Pointing and Navigation	C/FFP	Various : Various	6.763	0.988	Aug 2024	1.406	Jul 2025	1.486	Apr 2026	-		1.486	Continuing	Continuing	-
Subtotal			6.763	0.988		1.406		1.486		-		1.486	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Matrix Support	MIPR	C5ISR (RTI) : Ft. Belvoir, VA 22060	0.178	0.166	Jul 2024	0.030	Jun 2025	0.035	Dec 2025	-		0.035	Continuing	Continuing	-
Science and Engineering Support	SS/CPFF	Johns Hopkins University : Laurel, MD	0.950	0.784	Mar 2024	0.250	Jun 2025	0.250	Jan 2026	-		0.250	Continuing	Continuing	-
Subtotal			1.128	0.950		0.280		0.285		-		0.285	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			8.438	1.938		2.014		2.011		-		2.011	Continuing	Continuing	N/A
Remarks															
Cost elements may contain multiple awards. In such cases, the latest award date is listed.															
Science and Engineering support by JHU also includes development of component technologies.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

[illegible]

2040 / 4

R-1 Program Element (Number/Name)

PE 0603774A / Night Vision Systems Advanced Development

Project (Number/Name)	Start Date	End Date	Duration (Days)	Progress (%)	Status	Owner	Team	Budget (€)	Actual Cost (€)	Variance (€)	Risk Level	Notes
101	2023-01-01	2023-03-31	90	100	Completed	John Doe	Team Alpha	50000	48000	2000	Low	Project completed ahead of schedule.
102	2023-02-01	2023-05-31	120	75	In Progress	Jane Smith	Team Beta	75000	70000	5000	Medium	Minor delays in procurement.
103	2023-03-01	2023-06-30	120	20	On Hold	Mike Johnson	Team Gamma	60000	0	60000	High	Project paused due to budget constraints.
104	2023-04-01	2023-07-31	120	0	Not Started	Sarah Lee	Team Delta	80000	0	80000	Medium	Project planning phase.
105	2023-05-01	2023-08-31	120	0	Not Started	David Kim	Team Epsilon	90000	0	90000	Low	Project planning phase.
106	2023-06-01	2023-09-30	120	0	Not Started	Emily White	Team Zeta	100000	0	100000	Medium	Project planning phase.
107	2023-07-01	2023-10-31	120	0	Not Started	Frank Brown	Team Eta	110000	0	110000	Low	Project planning phase.
108	2023-08-01	2023-11-30	120	0	Not Started	Grace Green	Team Theta	120000	0	120000	Medium	Project planning phase.
109	2023-09-01	2023-12-31	120	0	Not Started	Henry Black	Team Iota	130000	0	130000	Low	Project planning phase.
110	2023-10-01	2024-01-31	120	0	Not Started	Ivy Grey	Team Kappa	140000	0	140000	Medium	Project planning phase.
111	2023-11-01	2024-02-28	120	0	Not Started	Jack Gold	Team Lambda	150000	0	150000	Low	Project planning phase.
112	2023-12-01	2024-03-31	120	0	Not Started	Karen Silver	Team Mu	160000	0	160000	Medium	Project planning phase.
113	2024-01-01	2024-04-30	120	0	Not Started	Leo Bronze	Team Nu	170000	0	170000	Low	Project planning phase.
114	2024-02-01	2024-05-31	120	0	Not Started	Mia Copper	Team Xi	180000	0	180000	Medium	Project planning phase.
115	2024-03-01	2024-06-30	120	0	Not Started	Noah Iron	Team Omicron	190000	0	190000	Low	Project planning phase.
116	2024-04-01	2024-07-31	120	0	Not Started	Olivia Steel	Team Pi	200000	0	200000	Medium	Project planning phase.
117	2024-05-01	2024-08-31	120	0	Not Started	Peter Aluminum	Team Rho	210000	0	210000	Low	Project planning phase.
118	2024-06-01	2024-09-30	120	0	Not Started	Quinn Titanium	Team Sigma	220000	0	220000	Medium	Project planning phase.
119	2024-07-01	2024-10-31	120	0	Not Started	Ryan Nickel	Team Tau	230000	0	230000	Low	Project planning phase.
120	2024-08-01	2024-11-30	120	0	Not Started	Sophia Zinc	Team Upsilon	240000	0	240000	Medium	Project planning phase.
121	2024-09-01	2024-12-31	120	0	Not Started	Thomas Lead	Team Phi	250000	0	250000	Low	Project planning phase.
122	2024-10-01	2025-01-31	120	0	Not Started	Uma Tin	Team Chi	260000	0	260000	Medium	Project planning phase.
123	2024-11-01	2025-02-28	120	0	Not Started	Victor Silver	Team Psi	270000	0	270000	Low	Project planning phase.
124	2024-12-01	2025-03-31	120	0	Not Started	Wendy Gold	Team Omega	280000	0	280000	Medium	Project planning phase.
125	2025-01-01	2025-04-30	120	0	Not Started	Xavier Bronze	Team A	290000	0	290000	Low	Project planning phase.
126	2025-02-01	2025-05-31	120	0	Not Started	Yara Copper	Team B	300000	0	300000	Medium	Project planning phase.
127	2025-03-01	2025-06-30	120	0	Not Started	Zoe Iron	Team C	310000	0	310000	Low	Project planning phase.
128	2025-04-01	2025-07-31	120	0	Not Started	Adam Steel	Team D	320000	0	320000	Medium	Project planning phase.
129	2025-05-01	2025-08-31	120	0	Not Started	Bella Aluminum	Team E	330000	0	330000	Low	Project planning phase.
130	2025-06-01	202										

VT8 / SOLDIER PRECISION TARGETING
DEVICES - ADV DEV

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603774A / Night Vision Systems Advanced Development	Project (Number/Name) VT8 / SOLDIER PRECISION TARGETING DEVICES - ADV DEV	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Precision Pointing and Navigation Development	3	2020	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603779A / <i>Environmental Quality Technology - Dem/Val</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	19.369	23.299	11.343	-	11.343	-	-	-	-	-	-
035: <i>National Defense Cntr For Enviro Excellence</i>	-	5.337	7.787	7.795	-	7.795	-	-	-	-	-	-
E21: <i>Environmental Quality Technology Dem/Val</i>	-	14.032	15.512	3.548	-	3.548	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

There is broad potential application for environmental quality technology (EQT) to be applied to multiple Army weapon systems and installations. However, technology must be demonstrated and validated (total ownership cost and performance data identified) before potential users will consider exploiting it. This Program Element (PE) includes Projects focused on validating the general military utility or cost reduction potential of technology when applied to different types of infrastructure, military equipment or techniques. It may include validations and proof-of-principle demonstrations in field exercises to evaluate upgrades or provide new operational capabilities. The validation of technologies will be in as realistic an operating environment as possible to assess performance or cost reduction potential. EQT demonstration/ validation is systemic and applicable across Department of Army sites and installation problems (e.g. unexploded ordnance detection and discrimination). This PE supports the Army's top modernization priorities by addressing potential obsolescence of legacy materials and current and emerging impacts on human health and the environment. All work is endorsed by potential users and supported by a state-of-the-art assessment to determine when the technology can transition to the user for implementation.

The FY 2026 request was reduced by \$0.023 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 request was reduced by \$0.104 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603779A I Environmental Quality Technology - Dem/Val			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	31.720	34.091	24.272	-	24.272
Current President's Budget	19.369	23.299	11.343	-	11.343
Total Adjustments	-12.351	-10.792	-12.929	-	-12.929
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-22.000	-15.792			
• Congressional Rescissions	-	-			
• Congressional Adds	10.000	5.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.351	-			
• Adjustments to Budget Years	-	-	-12.929	-	-12.929
Congressional Add Details (\$ in Millions, and Includes General Reductions)					
Project: E21: Environmental Quality Technology Dem/Val					
Congressional Add: Program increase - underwater cut and capture					
Congressional Add: Program increase - friction stir additive manufacturing					
Congressional Add: Congressional Add: underwater cut and capture demonstration					
Congressional Add Subtotals for Project: E21					
Congressional Add Totals for all Projects					
Change Summary Explanation					
Program change reflects adjustments applied through Congressional decreases and Executive Order compliance.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val				Project (Number/Name) 035 / National Defense Cntr For Enviro Excellence			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
035: National Defense Cntr For Enviro Excellence	-	5.337	7.787	7.795	-	7.795	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The National Defense Center for Environmental Excellence (NDCEE) was established by Congress in 1990 with a directive to "serve as a national leadership organization to address high priority environmental problems for the Department of Defense (DoD), other government organizations, and the industrial community." In May 2008, the Program was re-designated from the National Defense Center for Environmental Excellence to the National Defense Center for Energy and Environment to ensure that the Center's mission recognizes and addresses the strategic interdependence of energy and environmental technology requirements within an overall sustainability framework in support of our installations, weapons systems and war fighters. This name change also directly supports the DoD's proactive implementation of Executive Order 13423, "Strengthening Federal Environmental, Energy and Transportation Management." The NDCEE Program has evolved into a national resource for demonstrating, validating and transitioning innovative Environmental, Safety & Occupational Health and Energy (ESOHE) technologies. This Program is managed by the Army on behalf of the Assistant Secretary of Defense (Energy, Installations and Environment).

The United States (U.S.) Army's broadly encompassing and growing mobile, personal and stationary technological requirements include: infrastructure, alternative and synthetic energy, training lands, emerging contaminants, transportation, systems integration, personnel well-being, and others. Further, to train as we fight, validated ESOHE technologies need to be available and implemented at Army installations. The NDCEE will continue to demonstrate, validate, and transfer these technologies supporting our integrated environment, energy, safety, occupational health and energy objectives to enable mission, readiness, innovation, lethality and modernization to ensure our Soldiers maintain a technological advantage over our adversaries.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Conduct demonstration/validation of environmentally acceptable technologies that enhance military readiness and reduce production, operating, and/or disposal costs.	4.464	6.503	6.500
Description: NDCEE supports the demonstration and validation of mature (BA4) environment, safety, occupational health, and energy technologies that support the mission requirements. The objective is to invest in innovative technologies that support military mission/readiness, employ a high degree of technical fidelity, have a high potential for transition success, and align with modernization goals.			
FY 2025 Plans: Will fund the NDCEE program management during comprehensive NDCEE lifecycle, including project cultivation and identification, screening, selection, execution, reporting, and technology transfer. Includes contracting office support for contract closeouts, travel to conduct program management oversight, and program coordination and education to DoD stakeholders.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val	Project (Number/Name) 035 / National Defense Cntr For Enviro Excellence		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Will continue to focus on emerging chemicals, climate change, and Per- and Polyfluoroalkyl Substances (PFAS) alternatives. FY 2026 Plans: Programmed increase in accordance with scope of the program. FY 2025 to FY 2026 Increase/Decrease Statement: Funds increase is due to an economic adjustment.				
Title: NDCEE Government program management during contract negotiations and during project formulation, execution, and technology transfer. Description: Funds the NDCEE Government program management during comprehensive NDCEE lifecycle, including project cultivation and identification, screening, selection, execution, and technology transition. FY 2025 Plans: Will continue to focus on emerging chemicals, climate change, and PFAS alternatives. FY 2026 Plans: Will fund NDCEE program management during comprehensive lifecycle, covering project cultivation, identification, screening, selection, execution, reporting, and technology transfer. This includes travel to conduct program management oversight, coordination, project/program promotion at events, and educating DoD stakeholders. FY 2025 to FY 2026 Increase/Decrease Statement: Increase in funding due to greater focus on demonstration and validation of critical technologies, enhancing the transition from RDT&E to fielding. A slight boost to the number of projects that improve environmental, safety, and health protections for soldiers and communities. Demonstrates the Army's commitment to efficiency and resource optimization while advancing key environmental safety initiatives.		0.675	1.284	1.295
Title: SBIR/STTR Transfer Description: Funding transferred in accordance with Title 15 USC §638		0.198	-	-
Accomplishments/Planned Programs Subtotals		5.337	7.787	7.795
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val	Project (Number/Name) 035 / National Defense Cntr For Enviro Excellence
<p>D. Acquisition Strategy</p> <p>The NDCEE is a national asset focused on DoD applications that include technology transfer to appropriate DoD transition partners. The management strategy for the NDCEE ensures that all projects have a potential multi-service benefit and have a high potential for transition success. At the strategic level, the NDCEE Executive Advisory Board (EAB) is chaired by the DoD NDCEE Lead Agent on behalf of the Assistant Secretary of Defense for Sustainment and is representative of the services and DoD. The EAB and the Program Director are supported by the NDCEE Technical Advisory Group (TAG) to help ensure that NDCEE investments are maximized across DoD and the Services. At the tactical level, the three Focus Groups (environment, safety/occupational health, and energy) cultivate and recommend priority projects to the TAG and Project Selection Committee for funding. Transition Partners ensure that NDCEE's investments are carried forward in the next phases of the Research Development Test and Evaluation process, as identified in each funded project's Technology Transition Agreement.</p> <p>NDCEE projects enable readiness for the Services under increasingly complex and demanding scenarios. The interdependency of national security with energy supply and costs, water supply and costs, environmental resiliency, and human health and safety are clear and NDCEE projects provide forward-looking solutions to these challenges. Failure to further fund and validate promising technologies that are at the mature or Commercial-off-the-Shelf stage, would result in lost modernization opportunities and validation before they go into a military environment. These initiatives need to be carried forward into an operational/realistic testing environment so that they can support mission readiness and training when ultimately fielded to the Services.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val						Project (Number/Name) 035 / National Defense Cntr For Environmental Excellence			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	MIPR	AEC : San Antonio, TX	27.114	0.675		1.281	Jul 2025	1.234		-		1.234	Continuing	Continuing	Continuing
SBIR/STTR Transfer	TBD	various : various	-	0.198		-		-		-		-	0.000	0.198	-
Subtotal			27.114	0.873		1.281		1.234		-		1.234	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Testing and Evaluation	Various	Various : Various	61.090	4.464	Oct 2022	6.506	Jul 2025	6.561		-		6.561	Continuing	Continuing	Continuing
Subtotal			61.090	4.464		6.506		6.561		-		6.561	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			88.204	5.337		7.787		7.795		-		7.795	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0603779A / Environmental Quality Tech
nology - Dem/Val

Project (Number/Name)

035 / National Defense Cntr For Enviro
Excellence

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val	Project (Number/Name) 035 / National Defense Cntr For Enviro Excellence	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
NDCEE Management and Operations (Enduring)	1	2019	4	2024
NDCEE Env, Safety, Occ Health, and Energy Technology Dem/Val (Enduring)	1	2019	4	2024

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val				Project (Number/Name) E21 / Environmental Quality Technology Dem/Val			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
E21: Environmental Quality Technology Dem/Val	-	14.032	15.512	3.548	-	3.548	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project supports Advanced Component Development and Prototypes of innovative environmental quality technologies that modernize materials and processes required for current and future operational sustainment and warfighter training capabilities. The Project showcases technologies that increase life safety, reduce Soldier and worker human health risks, enhance readiness and enable mission capabilities of the current and future force with a focus on eliminating the high priority issues associated with hexavalent chromium, cadmium and airborne lead through material substitution. The Project expedites technology transition from the laboratory to operational use by demonstrating modern materials and processes to fulfill or surpass the performance requirements outlined in Material Specifications, Depot Maintenance Work Requirements, Technical Manuals, Drawings and other technical data. Forward-looking materials and processes demonstrated under this project support the Cross Functional Teams and the Army's top modernization priorities by addressing potential obsolescence of legacy materials and current and emerging impacts on human health and the environment. Modernized materials and processes have the additional benefit of addressing future regulatory compliance and cleanup requirements while simultaneously increasing performance and standardization across the Army, resulting in significantly reduced life cycle costs incurred by acquisition, industrial base and installation end users.

Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM) and U.S. Army Corps of Engineers (USACE).

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Environmental quality technology demonstration and validation: Toxic Metal Reduction in Surface Finishing of Army Weapon Systems (DEVCOM)	1.200	1.972	-
Description: Increase operational readiness and reduce Soldier and worker human health risks by reducing or eliminating the use of cancer-causing hexavalent chromium, cadmium and associated toxic materials used in surface finishing processes for the current and future force. These Safer Alternatives for Readiness (SAFR) technologies will be used to provide superior corrosion and wear protection for components used on Future Vertical Lift and Next Generation Combat Vehicles and enable increased performance/extended barrel life for Long Range Precision Fire systems.			
FY 2025 Plans: Will mature hexavalent chromium-free wear resistant plating processes; will demonstrate hexavalent chromium and cadmium-free electrical connectors.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val	Project (Number/Name) E21 / Environmental Quality Technology Dem/Val		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Funding decrease reflects the conclusion of this effort.					
<p>Title: Environmental quality technology demonstration and validation: Airborne Lead Reduction from Army Weapon Systems (DEVCOM)</p> <p>Description: Sustain Soldier training readiness, maintain/restore training capability at ranges closed due to dangerous levels of lead exposure and increase life safety and protection of human health on Army installations by reducing or eliminating the use of toxic lead compounds - which are known to cause damage to central nervous, cardiovascular and immune systems with long-term effects for children, as well as potential developmental impacts, including IQ loss, behavioral issues and hearing loss - in rocket and missile propellants and primary explosives (primers/detonators/initiators) for the current and future force. These Safer Alternatives for Readiness (SAFR) will provide a domestic, readily available source for lead-free primary explosives used in all Long Range Precision Fires and Soldier Lethality systems.</p> <p>FY 2025 Plans: Will demonstrate lead-free fuzes in end items; will demonstrate fully remote, automated loading processes for lead-free detonators.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease reflects the conclusion of this effort.</p>			1.190	3.473	-
<p>Title: Environmental quality technology demonstration and validation: Low Global Warming Potential (LGWP) Alternatives to Ozone Depleting Substances (ODS) (DEVCOM)</p> <p>Description: Evaluate low GWP ODS alternatives being developed by industry to assess their toxicity and flammability hazards and verify their acceptability in military unique refrigeration and fire suppression applications. These Safer Alternatives for Readiness (SAFR) technologies will support all Future Vertical Lift and Next Generation Combat Vehicle systems.</p> <p>FY 2025 Plans: Will transition alternative, low/no GWP refrigerants for use in Multi-Temperature Refrigerated Container Systems (MTRCS).</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease reflects the conclusion of this effort.</p>			0.100	0.210	-
<p>Title: Engineered Technologies for Risk Mitigation and Management of Perfluorooctane Sulfonate and Perfluorooctanoic Acid (PFOS/PFOA) on Army Installations (USACE)</p>			1.542	3.176	1.948

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val		Project (Number/Name) E21 / Environmental Quality Technology Dem/Val	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: Demonstrate and validate technologies such as 3D printed composite structures and advanced materials for remediation and monitoring of Per- and Polyfluoroalkyl Substances (PFAS), novel methods for PFAS destruction, rapid risk -based classification and characterization computational models, and monitoring and extraction technologies including PFAS sensors.</p> <p>FY 2025 Plans: Will demonstrate and validate treatment technologies to address PFAS-impacted soils and treatment matrices, comparing removal efficiency, cost balance, regulatory guidelines, and limits of detection. Will demonstrate risk analysis and decision making tools for the site specific selection of real time PFAS assessment/monitoring and the application specific selection of destructive technologies addressing Aqueous Film Forming Foam (AFFF) stockpiles and concentrated waste streams.</p> <p>FY 2026 Plans: Will demonstrate and validate prototype destruction technologies effectiveness for PFAS contaminated solid media and other PFAS contaminated difficult to dispose of wastes to non-detect levels. Will demonstrate and validate precision and accuracy of field deployable PFAS measurement and monitoring technologies under broad spectrum of operating conditions. Continues maturation of guidance and decision support tools to reduce risk management costs.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The decrease is due to the completion of multiple activities in FY25 and moving into the integration phase of the effort including into updated policy, guidance, and procedures for PFAS destruction.</p>					
<p>Title: VEQT Transition Program (OAA IE&E)</p> <p>Description: Advancing the deployment of innovative technologies previously supported and proven ready to field by the VEQT program to mitigate environmental, safety, and health liabilities at Army installations. This includes transitioning PFAS water treatment technologies from the demonstration phase to EPA-approved applications, enabling the treatment of PFAS-contaminated effluent and drinking water. Additionally, proven Zinc Nickel alternatives to Hexavalent Chromium will be implemented in depots to eliminate the use of hexavalent chromium in weapons systems, thereby safeguarding human health and the environment.</p> <p>FY 2025 Plans: Will ensure mature and new technologies that have been successfully demonstrated and validated can be transitioned to multiple Army Installations to improve Soldier quality of life and to meet demands for multi-domain operations. Environmental technologies help balance readiness demands of competition, crisis, and conflict while also creating opportunities to modernize and support the Army's force posture. This effort enables rapid transition of technologies to the field to ensure the Army maintains its competitive</p>			-	1.681	1.600

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603779A / <i>Environmental Quality Technology - Dem/Val</i>		Project (Number/Name) E21 / <i>Environmental Quality Technology Dem/Val</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
edge against our adversaries and supports all Environmental Safety and Occupational Health high priority requirements to protect the Army enterprise.					
FY 2026 Plans: Will deploy advanced technologies previously funded under the VEQT program to enhance environment, safety, and health liabilities at Army installations. Key initiatives include transitioning proven Perfluorooctane Sulfonate water treatment technologies, implementing alternative technologies to protect workers against emerging health hazards from new Environmental Protection Agency chemical regulations, implementing safer and environmentally preferred chemical formulation alternatives for mission critical product use to reduce supply chain risk and dependency on chemicals from adversaries while protecting Soldier/maintainer/community life, health and environment, adoption of proven technologies that can eliminate use of Hydrofluorocarbons in Army mission critical usage, among other advanced technologies for use at Army installations.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease reflects reductions in in the number of transitioning projects.					
Accomplishments/Planned Programs Subtotals			4.032	10.512	3.548
			FY 2024	FY 2025	
Congressional Add: Program increase - underwater cut and capture			5.000	-	
FY 2024 Accomplishments: Conducts demonstration of prototype remotely operated vehicle (ROV) deployed high-pressure waterjet cut and capture technology to demilitarize live underwater munitions at DoD operational sites without removing the munition from the aquatic environment. Evaluates ROV deployed high-pressure waterjet cut and capture technology removal of explosive fill material at operational DoD sites without causing harmful releases of munitions constituents into the aquatic environment.					
Congressional Add: Program increase - friction stir additive manufacturing			5.000	-	
FY 2024 Accomplishments: Program increase - friction stir additive manufacturing					
Congressional Add: Congressional Add: underwater cut and capture demonstration			-	5.000	
FY 2025 Plans: "Congressional Add: underwater cut and capture demonstration":					
Congressional Adds Subtotals			10.000	5.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val				Project (Number/Name) E21 / Environmental Quality Technology Dem/Val				
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• 061: Environmental Quality Technology Support	0.296	0.330	-	-	-	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The project ultimately transitions successfully demonstrated environmental quality technologies to Army acquisition, industrial base and installation end users. All technology efforts address environmental requirements identified by the Army acquisition, industrial base and installation user communities. Efforts approved by senior Army environmental leadership receive Advanced Component Development and Prototype funding to fully demonstrate and validate the technology for transition to end users for follow on implementation.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val				Project (Number/Name) E21 / Environmental Quality Technology Dem/Val					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer (DEVCOM)	TBD	Various : Various	-	-		-		0.000		-		0.000	-	-	-
SBIR/STTR Transfer (ERDC)	TBD	USACE ERDC : Vicksburg, MS	-	-		-		0.000		-		0.000	-	-	-
Subtotal			-	-		-		0.000		-		0.000	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Conduct Demonstrations	MIPR	Varies : Varies	92.418	14.032	Oct 2023	15.512	Oct 2024	3.548		-		3.548	Continuing	Continuing	Continuing
Subtotal			92.418	14.032		15.512		3.548		-		3.548	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			92.418	14.032		15.512		3.548		-		3.548	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603779A / Environmental Quality Technology - Dem/Val		Project (Number/Name) E21 / Environmental Quality Technology Dem/Val

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Toxic Metals Reduction Demonstration/Validation																												
Airborne Lead Reduction Demonstration/Validation																												
Low Global Warming Potential Dem/Val																												
Carbon Sequestration Toolkit for DoD Lands																												
Standards for Additive Construction: Requirements, Asses...																												
Mitigation of GHG Emissions for DOD Construction Materia...																												
Efficient Buildings (Construction Scale Additive Manufac...																												
Expeditionary Island Power (DEMO)																												
Engineered Technologies for Risk Mitigation and Manageme...																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603779A / <i>Environmental Quality Technology - Dem/Val</i>	Project (Number/Name) E21 / <i>Environmental Quality Technology Dem/Val</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Toxic Metals Reduction Demonstration/Validation	1	2015	4	2025
Airborne Lead Reduction Demonstration/Validation	1	2015	4	2025
Insensitive Munitions (IM) Wastewater Treatment	1	2019	4	2022
Fate and Risk Evaluation System for Contaminants	1	2020	4	2021
Environmental Toolkit for Expeditionary Operations	1	2020	4	2022
Low Global Warming Potential Dem/Val	1	2019	4	2025
Carbon Sequestration Toolkit for DoD Lands	1	2023	4	2027
Standards for Additive Construction: Requirements, Assessment and Documentation	1	2023	4	2027
Mitigation of GHG Emissions for DOD Construction Materials and Infrastructure	1	2023	4	2027
Efficient Buildings (Construction Scale Additive Manufacturing) (MOTCO)	1	2024	4	2025
Expeditionary Island Power (DEMO)	1	2024	4	2029
Engineered Technologies for Risk Mitigation and Management of Perfluorooctane Sulfonate and Perfluorooctanoic Acid (PFOS/PFOA) on Army Installations (USACE)	1	2022	4	2029

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0603790A / NATO Research and Development							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	3.987	4.184	5.031	-	5.031	-	-	-	-	-	-
691: NATO Rsch & Devel	-	3.987	4.184	5.031	-	5.031	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Project implements the provisions of Title 10 United States (U.S.) Code, Section 2350a, Cooperative Research and Development (R&D) Projects: Allied Countries. The objective is to improve, through the application of emerging technologies, the conventional defense capabilities of the U.S. and our cooperative partners, including the North Atlantic Treaty Organization (NATO), U.S. major non-NATO allies and Friendly Foreign countries through technology sharing and joint equipment development, thereby reducing U.S. acquisition costs. Cooperative efforts also improve multinational force compatibility with potential coalition partners through the development and use of similar equipment and improved interfaces. The Project focuses specifically on international cooperative technology demonstration, validation, and interoperability of Army weapon and command, control, communications and information (C3I) systems, including the NATO Defense Against Terrorism initiatives. Activities are implemented through international agreements with foreign partners that define scope, cost and work sharing arrangements, management, contracting, security, data protection and third-party transfers. Funds are used to pay for only the U.S. work share that occurs within the U.S. at U.S. Government and U.S. contractor facilities.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	4.143	4.184	5.044	-	5.044
Current President's Budget	3.987	4.184	5.031	-	5.031
Total Adjustments	-0.156	0.000	-0.013	-	-0.013
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.005	-			
• SBIR/STTR Transfer	-0.151	-			
• Adjustments to Budget Years	-	-	-0.013	-	-0.013

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development				Project (Number/Name) 691 / NATO Rsch & Devel			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
691: NATO Rsch & Devel	-	3.987	4.184	5.031	-	5.031	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project implements the provisions of Title 10 United States (U.S.) Code, Section 2350a, Cooperative Research and Development (R&D) Projects: Allied Countries. The objective is to improve, through the application of emerging technologies, the conventional defense capabilities of the U.S. and our cooperative partners, including the North Atlantic Treaty Organization (NATO), U.S. major non-NATO allies and Friendly Foreign countries through technology sharing and joint equipment development, thereby reducing U.S. acquisition costs. Cooperative efforts also improve multinational force compatibility with potential coalition partners through the development and use of similar equipment and improved interfaces. The Project focuses specifically on international cooperative technology demonstration, validation, and interoperability of Army weapon and command, control, communications and information (C3I) systems, including the NATO Defense Against Terrorism initiatives. Activities are implemented through international agreements with foreign partners that define scope, cost and work sharing arrangements, management, contracting, security, data protection and third-party transfers. Funds are used to pay for only the U.S. work share that occurs within the U.S. at U.S. Government and U.S. contractor facilities.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Armaments Cooperation Enterprise Support	2.814	2.999	3.602
<p>Description: Armaments Cooperation Enterprise Support/ International Online (IOL) Development and Implementation NATO/ International Cooperative R&D (AR 70-41) and International Acquisition (AR 70-1, AR 70-3).</p> <p>The goal of this activity is to expand worldwide allied standardization and interoperability through cooperative Research and Development (R&D) and technology sharing per SECDEF guidance and especially in support of the U.S. Army. The execution AR 70-41 responsibilities requires DASA (DE&C) to conduct engagement with key strategy foreign partners in all regions of the world through the SNR(A) program, international agreement negotiations, and other bilateral and multilateral forums involving DASA (DE&C) personnel. This program will fund the travel costs and administrative support (studies, analysis, interpretation, equipment, etc.) required to participate internationally, such as the NATO Army Armaments Group (NAAG), Defense Against Terrorism (DAT) and to pursue new cooperative R&D initiatives and international cooperative agreements such as memoranda of understanding.</p> <p>FY 2025 Plans: Supports 9 Contractor Manpower Equivalents (CMEs) with Armaments Cooperation Support with munitions, weapons, aviation and armaments.</p> <p>FY 2026 Plans:</p>			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Devel	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Supports 9 CMEs with Armaments Cooperation Support with munitions, weapons, aviation and armaments.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 due to economic assumption and will continue to support CMEs.			
Title: Communications Interoperability, and Electronics Technologies		0.298	0.301
Description: The goal of this activity is to develop technologies that enable interoperability among partner countries' command, control, communications, sensors, and information systems. Efforts include development of a single solution standard avoiding development of multiple unique solutions and leverage existing interoperability standards developed by NATO. Such standards include common doctrine, technical and procedural specifications to make better use of existing information, shared data, leveraged national operating picture capabilities and enable the development of interoperability of data, databases, applications, security domains and national networks architectures. Includes efforts from areas formerly titled Multi-National Network Enabled Capabilities, Low Level Air Defense Interoperability, Joint Tactical Radio (JTRS), Combat Identification, and Multilateral Interoperability Program.			
FY 2025 Plans: Include efforts from areas formerly titled Multi-National Network Enabled Capabilities, Low Level Air Defense Interoperability, JTRS, Combat Identification, and Multilateral Interoperability Program.			
FY 2026 Plans: Include efforts from areas formerly titled Multi-National Network Enabled Capabilities, Low Level Air Defense Interoperability, JTRS, Combat Identification, and Multilateral Interoperability Program.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 due to economic assumption tied to Communications Interoperability and Electronics Technologies costs.			
Title: Senior National Representatives (Army) (SNR-(A))		0.031	0.031
Description: Senior National Representatives (Army) (SNR-(A)) Projects (Partners: France, Germany, United Kingdom and Italy): Supports harmonization of programs at various levels: exchanging information, identifying knowledge gaps and conducting feasibility studies to further promote cooperative development; standardizing, fielding and road-mapping various processes; distributing the workload among the different nations. Technology Demonstrations hosted by the U.S. reps to Land Group 6, NATO Army Armaments Group (NAAG), will provide an opportunity to observe and demonstrate the current and future capability of participating NATO nations with a view to assisting future operational and materiel interoperability. Army support of NAAG studies, analysis and technology demonstrations.			
			0.512

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Devel		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Funds will be used to pursue cooperative initiatives that were postponed, cancelled or not pursued due to funding reductions in previous years such as forums and engagement with long-standing foreign partners to identify interoperability gaps and develop necessary standardization programs.				
FY 2026 Plans: Funds will be used to pursue cooperative initiatives for forums and engagement with long-standing foreign partners to identify interoperability gaps and develop necessary standardization programs.				
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 due to economic assumptions tied to forums and engagement with long-standing foreign partners.				
Title: Weapons and Munitions Technologies		0.239	0.242	0.224
Description: The goal of this activity is to cooperate with partner countries to increase interoperability and develop jointly technologies to improve range, payloads, speed, survivability and lethality to maintain U.S. technical superiority and combat overmatch for Army weapons systems and associated munitions. Areas of cooperation include fuzing and warhead systems, guidance systems, counter improvised explosive device neutralization, directed energy, and fire control systems. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries.				
FY 2025 Plans: The nations will be able to receive and provide mutual fire support (i.e. cannon and rocket fire) in combined operations more rapidly and with minimal errors.				
FY 2026 Plans: The nations will be able to receive and provide mutual fire support (i.e. cannon and rocket fire) in combined operations more rapidly and with minimal errors.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding change is consistent with the planned lifecycle of this effort.				
Title: Ground Systems Technologies		0.184	0.186	0.291
Description: The goal of this activity is to cooperate with partner countries to increase interoperability and develop jointly technologies to improve survivability, weapons, ground platforms (manned and unmanned), and mobility and counter-mobility to provide soldiers with unmatched offensive and defensive capabilities in weapons and military vehicles. Areas of cooperation				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Devel	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
include ground systems design, propulsion, structures, robotics, alternative fuels and lubricants, systems integration, electronics, and power management. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries.			
FY 2025 Plans: Funding will be used to fund the continuation of cooperative projects in armored vehicle underbody blast protection and unmanned ground vehicles such as Hybrid Electric Project Agreement between U.S. and Japan.			
FY 2026 Plans: Funding will be used to fund the continuation of cooperative projects in armored vehicle underbody blast protection and unmanned ground vehicles such as Hybrid Electric Project Agreement between U.S. and Japan.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 due to economic assumptions for the interoperability and development of jointly technologies.			
Title: Aviation Systems Technologies		0.421	0.425
Description: The goal of this activity is to cooperate with partner countries to increase interoperability and develop jointly improved aerodynamics, aeromechanics, avionics, weapons and sensor integration, propulsion, and aviation autonomy technologies that improve range, payloads, speed, survivability and lethality to maintain U.S. technical superiority and combat overmatch for vertical lift aviation systems. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries.			0.040
FY 2025 Plans: Funding will be used to pursue cooperative projects (i.e., the development of advance rotorcraft technologies and improve systems that aid pilots and aircrew in degraded visual environments).			
FY 2026 Plans: Funding will be used to pursue cooperative projects (i.e., the development of advance rotorcraft technologies and improve systems that aid pilots and aircrew in degraded visual environments).			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding change is consistent with the planned lifecycle of this effort.			
Accomplishments/Planned Programs Subtotals		3.987	4.184
			5.031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Devel
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy Acquisition Strategy: The goal of this program is to expand worldwide allied standardization interoperability through cooperative research and development (R&D) and technology sharing per SECDEF guidance and especially in support of the of the U.S. Army. All projects are test or technical demonstrations to feed into potential new requirements in support of Army Transformation to the Future Force or as product improvements to the Current Force. List of the programs curently in place: Communications, Interoperability, and Electronics Technologies The goal of this project is to develop technologies that enable interoperability among partner countries' command, control, communications, sensors, and information systems. Efforts under this project include development of a single solution standard avoiding development of multiple unique solutions and leverage existing interoperability standards developed by NATO. Such standards include common doctrine, technical and procedural specifications to make better use of existing information, shared data, leverage national operating picture capabilities and enable the development of interoperability of data, databases, applications, security domains and national networks architectures. Includes projects formerly titled Multi-National Network Enabled Capabilities, Low Level Air Defense Interoperability, JTRS, Combat Identification, and Multilateral Interoperability Program. Aviation Systems Technologies The goal of this project is to cooperate with partner countries to increase interoperability and develop jointly improved aerodynamics, aeromechanics, avionics, weapons and sensor integration, propulsion, and aviation autonomy technologies that improve range, payloads, speed, survivability and lethality to maintain U.S. technical superiority and combat overmatch for vertical lift aviation systems. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries. Ground Systems Technologies The goal of this project is to cooperate with partner countries to increase interoperability and develop jointly technologies to improve survivability, weapons, ground platforms (manned and unmanned), and mobility and counter-mobility to provide soldiers with unmatched offensive and defensive capabilities in weapons and military vehicles. Areas of cooperation include ground systems design, propulsion, structures, robotics, alternative fuels and lubricants, systems integration, electronics, and power management. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries. Weapons and Munitions Technologies		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Devel
<p>The goal of this project is to cooperate with partner countries to increase interoperability and develop jointly technologies to improve range, payloads, speed, survivability and lethality to maintain U.S. technical superiority and combat overmatch for Army weapons systems and associated munitions. Areas of cooperation include fuzing and warhead systems, guidance systems, counter improvised explosive device neutralization, directed energy, and fire control systems. Such cooperative development will be done under the auspices of international agreements established among the participating countries for the purposes of improving defense capabilities of the U.S. and partner countries.</p> <p>Armaments Cooperation Enterprise Support</p> <p>The goal of this program is to expand worldwide allied standardization and interoperability through cooperative research and development (R&D) and technology sharing per SECDEF guidance and especially in support of the U.S. Army. This program will fund the travel costs and administrative support (studies, analysis, interpretation, equipment, etc.) required to participate internationally, such as the North Atlantic Treaty Organization (NATO) Army Armaments Group (NAAG), Defense Against Terrorism (DAT) and to pursue new cooperative R&D initiatives and international cooperative agreements such as memoranda of understanding. This program will also include: the United States' share of costs of the NATO Civil Budget, Chapter IX, which funds the NATO Industrial Advisory Group (NIAG) and the Special Fund for Cooperative Planning (U. S. Army is Executive Agent for this NATO bill); the Technical Cooperation Program, and Army armaments cooperation working groups with many nations.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development				Project (Number/Name) 691 / NATO Rsch & Development					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Armaments Cooperation Enterprise Support	C/FFP	LSS/GDIT : Fairfax, VA	18.571	2.814		2.999		3.602		-		3.602	Continuing	Continuing	Continuing
Communications, Interoperability, and Electronics Technologies	MIPR	Joint Tactical Radio (JTRS), JTNC, COALWNW, SPAWAR, CERDEC, ARDEC W1DF : San Diego, CA, Red Stone Arsenal	2.641	0.298		0.301		0.362		-		0.362	Continuing	Continuing	Continuing
Aviation Systems Technologies	MIPR	RDECOM/AMRDEC : Red Stone Arsenal	2.715	0.421		0.425		0.512		-		0.512	Continuing	Continuing	Continuing
Ground Systems Technology	MIPR	TARDEC : Various	0.812	0.184		0.186		0.224		-		0.224	Continuing	Continuing	Continuing
Weapons and Munitions	Various	CECOM, ARDEC, AMMO, PEO C3T : Aberdeen Proving Ground, Various	3.374	0.239		0.242		0.291		-		0.291	Continuing	Continuing	Continuing
SNR(A)	C/TBD	ARL, HQDA, JCGISR: Army : Various	2.374	0.031		0.031		0.040		-		0.040	Continuing	Continuing	Continuing
Subtotal			30.487	3.987		4.184		5.031		-		5.031	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			30.487	3.987		4.184		5.031		-		5.031	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development								Project (Number/Name) 691 / NATO Rsch & Development																			
										FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
N/A																																					
										FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
N/A																																					

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603790A / NATO Research and Development	Project (Number/Name) 691 / NATO Rsch & Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
N/A	2	2017	1	2018

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603801A / <i>Aviation - Adv Dev</i>
--	---

COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	1,452.331	4.943	-	-	0.000	-	-	-	-	-	-
B47: <i>Future Vertical Lift</i>	-	990.100	-	-	-	-	-	-	-	-	-	-
CK7: <i>FARA Ecosystem</i>	-	28.087	-	-	-	-	-	-	-	-	-	-
CS7: <i>FLRAA MTA</i>	-	15.932	4.943	-	-	-	-	-	-	-	-	-
F12: <i>Future Attack Reconnaissance Aircraft</i>	-	418.212	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This funding line directly aligns to the Future Vertical Lift (FVL) Army modernization priority. Future Vertical Lift (FVL) is an initiative to develop a family of vertical lift aircraft for the United States Armed Forces. The Department of Defense (DOD) established FVL to focus vertical lift capabilities and technology development as well as retain long-term industrial base capabilities. The Deputy Secretary of Defense issued the FVL Strategic Plan in 2012 to outline a joint approach for the next generation vertical lift aircraft for all military services. The Strategic Plan provided a foundation for replacing the current fleet with advanced capability by shaping the development of vertical lift aircraft for the next 25 to 40 years. In Fiscal Year (FY) 2017, the Army identified FVL as one of the Army's six modernization priorities and established the FVL Cross Functional Team (CFT). The FVL objectives are increased vertical lift maneuverability, range, speed, payload, survivability, and reliability while reducing the logistics footprint. This capability will provide critical vertical lift aviation capability in multi-domain operations to the joint warfighter and maneuver force.

The Future Long Range Assault Aircraft (FLRAA) program pursues FVL Capability Set 3 (CS3) and provides Combatant Commanders with deterrence, power projection, and tactical capabilities at operational and strategic distances. The Army competitively awarded the weapon system development contract in December 2022, using a hybrid acquisition approach. The contract award initiated the Rapid Prototyping effort to complete a preliminary design and the development of FLRAA Virtual Prototypes, using Middle Tier of Acquisition (MTA) authorities.

The Future Attack Reconnaissance Aircraft (FARA) Capability Set 1 (CS1) was intended to restore reconnaissance dominance by mitigating enemy long-range capabilities by creating lethal effects from outside enemy sensor/weapons range and allowing joint force commanders to maneuver from relative sanctuary. The Army has discontinued the FARA effort beyond FY 2024.

Both FLRAA and FARA integrate advanced technologies, using a modular open systems approach, and design configurations with appropriate trades to ensure affordability.

This resourcing funds both FLRAA and FARA.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0603801A / Aviation - Adv Dev			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	1,502.160	6.591	0.000	-	0.000
Current President's Budget	1,452.331	4.943	0.000	-	0.000
Total Adjustments	-49.829	-1.648	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-1.648			
• Congressional Rescissions	-	-			
• Congressional Adds	5.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.039	-			
• SBIR/STTR Transfer	-54.868	-			
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2024	FY 2025
Project: F12: Future Attack Reconnaissance Aircraft					
Congressional Add: All Electric Flight Control System				5.000	-
Congressional Add Subtotals for Project: F12				5.000	-
Congressional Add Totals for all Projects				5.000	-
Change Summary Explanation					
Project CS7: FY25 budget decrease by 1.648M due to program being previously funded.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) B47 / Future Vertical Lift			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
B47: Future Vertical Lift	-	990.100	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Future Vertical Lift (FVL) Project's funding provides for the development of a Future Long Range Assault Aircraft (FLRAA) Capability Set Three weapon system within the FVL family of systems. FLRAA will conduct air assault, urban assault/security, maritime interdiction, medical evacuation, humanitarian assistance/disaster relief, tactical resupply, direct action, noncombatant evacuation operation, and combat search and rescue operations. FLRAA will support the Army, including Special Operations Command (USSOCOM) and the Joint Force, in a contested, near peer threat environment. The FLRAA weapon system will retain the Army's ability to project combat power with transformational increases in range, speed, mobility, and payload over current Army and USSOCOM aircraft.

FLRAA achieved a Materiel Development Decision approval in October 2016 and the Office of Secretary of Defense granted a sufficiency determination of the Analysis of Alternatives (AoA) in July 2019.

In Fiscal Year (FY) 2025, funding transitioned to Budget Activity 6.5 PE 0605241A/Future Long Range Assault Aircraft Development, Project DG5/ Future Long Range Assault Aircraft, for execution of Engineering and Manufacturing Development and to support Budget Activity guidance for programs achieving Milestone B.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Engineering Services / Research Studies	94.699	-	-
Description: Provide engineering research, planning, modeling, and analysis. Support the execution of subsystem risk reduction efforts through the FLRAA Weapon System Development (WSD) contract to continue definition and documentation of subsystem designs as required to inform the system level design and support the FLRAA acquisition schedule. Continue maturation of Model Based System Engineering (MBSE) competencies, infrastructure, and model development used to describe system requirements and design. Continue maturation of Open System Architecture (OSA) standards, processes, and requirements through enterprise-wide collaboration to support a Modular Open System Approach (MOSA) to include definition of system architecture requirements, development of component specification models, and component definition models. Conduct independent cyber and safety analyses. Provide critical airworthiness support to enable the development of the FLRAA Airworthiness Qualification Specification (AQS). Develop statutory and regulatory Milestone B documentation through Integrated Product Teams (IPT) and working group collaboration.			
Title: Program Management	8.602	-	-
Description: Oversight and management of the FLRAA acquisition program. Program analysis of affordability, program performance, and schedule to ensure support of the Army mission. Guide, direct and manage program efforts through development phases of the lifecycle.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) B47 / Future Vertical Lift	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Title: Supportability Analysis and Acquisition Support Description: Acquisition and supportability research, planning, modeling, analysis, documentation and reviews supporting the FLRAA acquisition program. Early design influence analysis to assess operational durability; emphasizing digital data thread, active health state awareness in Condition Based Maintenance (CBM+), and optimized human system interface for ease of operations and maintenance.	12.452	-	-
Title: Prototype Material and Manufacturing Development Description: Purchase materials, including the development and acquisition of GFE hardware and software necessary to meet FLRAA prototype development activities, execution of subsystem risk reduction activities, and execution of the EMD phase of the FLRAA program, including weapon system detailed design and prototype manufacturing efforts.	874.347	-	-
Accomplishments/Planned Programs Subtotals	990.100	-	-

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• CS7: FLRAA MTA	15.932	4.943	-	-	-	-	-	-	-	-	-
• DG5: Future Long Range Assault Aircraft	-	1,253.637	1,248.544	-	1,248.544	-	-	-	-	-	-
• A12002: Future Long Range Assault Aircraft (FLRAA)	-	-	-	-	-	-	-	-	-		

Remarks

Project CS7 includes all FLRAA MTA efforts from FY 2023 through FY 2025, which was initiated as a planned accomplishment under Project B47 in FY 2022.

Project DG5 includes all FLRAA EMD funding beyond FY 2024.

Project A12002 includes all FLRAA procurement funding FY 2027 and beyond.

D. Acquisition Strategy

The Army executed a hybrid acquisition approach to design, develop, and deliver the FLRAA weapon system. In order to support the Army's modernization strategy and concept for multi-domain operations, the FLRAA program will complete First Unit Equipped in FY 2030. This hybrid approach builds on the JMR-TD efforts (started in 2013); the Army's AoA (completed in July 2019); and multiple risk mitigation efforts.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / <i>Aviation - Adv Dev</i>	Project (Number/Name) B47 / <i>Future Vertical Lift</i>
<p>The Army's risk mitigation activities ahead of the Weapon System Development contract award have included: (1) additional conceptual design and flight envelope expansion tasks on the existing JMR-TD Technology Investment Agreement (TIA); (2) MOSA, FVL Architecture Collaboration Working Group (with participation from industry and academia) to establish a common architecture requirements framework for FLRAA system development; and (3) a CD&RR effort, awarded to two Project Agreement Holders (PAH), using an Aviation Missile and Technology Consortium (AMTC) Other Transaction Authority (OTA) agreements to provide substantiating technical documentation on weapon system designs, requirements decompositions, trade-studies, and requirements feasibility for the FLRAA Weapon System Development.</p> <p>These risk reduction activities maintained industry engagement and momentum from the JMR-TD program, informed capabilities and system requirements, and provided initial trade assessments for the final operational requirements. They also informed the final acquisition strategy, matured the Government's architecture requirements, and transitioned appropriate Science & Technology investments to the program. CD&RR Phase II incorporated efforts leading to preliminary design using a digital engineering environment. The Army competitively awarded the Weapon System Development contract in December 2022 to one vendor with a hybrid acquisition approach. This approach includes the opportunity to employ new DoDI 5000.80 (Operation of the Middle Tier of Acquisition (MTA)) authorities along with a DoDI 5000.85 (Major Capability Acquisition) acquisition strategy. After Milestone B approval, FLRAA entered the MCA Pathway, which initiated the Engineering and Manufacturing Development phase of the acquisition lifecycle.</p> <p>Finally, the Army continues to address life cycle affordability, sustainability, and maintainability early in the program. The FLRAA program is employing multiple strategies including: cost reduction opportunities, use of a digital thread from design through sustainment, and stochastic sustainment modeling. Additionally, FLRAA is one of the Army's pilot programs for digital engineering and life cycle intellectual property and data strategy development.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) B47 / Future Vertical Lift					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Various : Redstone Arsenal, AL	22.069	5.206	Dec 2023	-		-		-		-	0.000	27.275	-
Program Management-Consolidated Support Contract	C/FFPLOE	Smartonix, Inc. : Huntsville, AL	11.418	3.396	Mar 2024	-		-		-		-	0.000	14.814	-
Subtotal			33.487	8.602		-		-		-		-	0.000	42.089	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototype Material - Government Furnished Equipment	Various	Various : Various/ Redstone Arsenal	34.752	31.346	Dec 2023	-		-		-		-	0.000	66.098	-
EMD Subsystem Risk Reduction	C/Various	Bell Textron Inc. : Ft. Worth, TX	120.838	372.300	Nov 2023	-		-		-		-	0.000	493.138	-
Prototype Material and Manufacturing Development (EMD)	Option/ Various	Bell Textron Inc. : Various	-	470.701	Aug 2024	-		-		-		-	0.000	470.701	-
Subtotal			155.590	874.347		-		-		-		-	0.000	1,029.937	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Acquisition and Supportability Analysis	Various	AMCOM ALC, CCDC AvMC : Redstone Arsenal, AL	17.593	10.476	Nov 2023	-		-		-		-	0.000	28.069	-
Enterprise Logistics and Support Analysis	Various	Various : Redstone Arsenal, AL	-	1.976	Mar 2024	-		-		-		-	0.000	1.976	-
Engineering Services - Collaborative Efforts	MIPR	CCDC AvMC, S3I, SRD : Huntsville, AL	10.784	39.408	Jan 2024	-		-		-		-	0.000	50.192	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) B47 / Future Vertical Lift					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering / Research Support Services	C/ FFPLOE	Torch Technologies : Huntsville, AL	13.394	22.616	Jan 2024	-		-		-		-	0.000	36.010	-
Enterprise Common Technical Support to Programs	Various	Various : Various	8.789	17.357	Mar 2024	-		-		-		-	0.000	26.146	-
Enterprise Architecture Convergence and Holistic Survivability	Various	Various : Huntsville, AL	-	8.660	Mar 2024	-		-		-		-	0.000	8.660	-
Adaptive Work Environment Enabling Infrastructure and Support	Various	Various : Huntsville, AL	-	3.412	Mar 2024	-		-		-		-	0.000	3.412	-
Subtotal			50.560	103.905		-		-		-		-	0.000	154.465	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test and Evaluation Support	Various	Redstone Test Center : Redstone Arsenal, AL	0.546	3.246	Dec 2023	-		-		-		-	0.000	3.792	-
Subtotal			0.546	3.246		-		-		-		-	0.000	3.792	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			240.183	990.100		-		-		-		-	0.000	1,230.283	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) B47 / Future Vertical Lift	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Architecture Definition and Risk Reduction																												
Virtual Prototyping (MTA)																												
Preliminary Design (MTA) and Detail Design																												
FLRAA Virtual Prototype Deliveries (Delivered under Proj...																												
Prototype Builds																												

Note
The FLRAA MTA effort transitioned to Project CS7 in FY23, under which the Virtual Prototypes were delivered; this program transitioned to Program Element 0605241A/ Future Long Range Assault Aircraft Development, Project DG5/Future Long Range Assault Aircraft, for execution of the Engineering and Manufacturing Development phase of the program.

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) B47 / Future Vertical Lift	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Development Decision	1	2017	1	2017
Analysis of Alternatives	3	2017	4	2019
System Specification Development	2	2019	3	2021
Program Documentation and Contracts Requirements Package	2	2019	3	2021
Architecture Definition and Risk Reduction	3	2019	4	2024
Competitive Demonstration and Risk Reduction	2	2020	1	2023
Request for Proposal Release	4	2021	4	2021
Proposal Preparation	4	2021	4	2021
Source Selection Evaluation Board	3	2021	2	2023
Contract Award	1	2023	1	2023
Virtual Prototyping (MTA)	1	2023	2	2025
Preliminary Design (MTA) and Detail Design	1	2023	2	2025
FLRAA Virtual Prototype Deliveries (Delivered under Project CS7)	3	2025	3	2025
Prototype Builds	4	2024	4	2025

Note

Virtual Prototyping Middle Tier Acquisition (MTA) is funded in B47 for FY 2022 and realigns to Project CS7 in FY 2023. The FLRAA MTA effort transitioned to Project CS7 in FY23, under which the Virtual Prototypes were delivered; this program transitioned to Program Element 0605241A/ Future Long Range Assault Aircraft Development, Project DG5/Future Long Range Assault Aircraft, for execution of the Engineering and Manufacturing Development phase of the program.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) CK7 / FARA Ecosystem			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CK7: FARA Ecosystem	-	28.087	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Prior to the Army's decision to discontinue FARA program funding beyond FY 2024, funding supported persistent experimentation of FARA Ecosystem relevant technologies in a Joint All Domain Operations (JADO) environment. The Army's persistent experimentation events garnered early user feedback to inform and refine requirements and accelerate technology development. Demonstration of critical technologies in relevant operational environments informed refinement and validation of requirements for the FARA Ecosystem and its enablers; enabled timely decisions to transition relevant S&T technologies into the Ecosystem; provided an opportunity for operational assessment of capability gaps in the Ecosystem; and accelerated development and delivery of Army Aviation capabilities.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: FARA Ecosystems	28.087	-	-
Description: Funding for FARA Ecosystem supports prototyping demonstration with relevant technologies in a Joint All Domain Operations (JADO) environment, which will inform FVL requirements including FARA, MOSA, and Launched Effects (LE) and enable timely decisions to accelerate capabilities, transition of S&T technologies. The Army's Experimental Demonstration Gateway Event (EDGE) and Project Convergence (PC) activities will garner early user feedback informing developmental efforts.			
Accomplishments/Planned Programs Subtotals	28.087	-	-

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• F12: Future Attack Reconnaissance Aircraft	418.212	-	-	-	-	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The FVL CFT utilized several U.S. Army Combat Capability Development Centers, Other Government Agencies, Test Centers, Project Management Offices and their respective procurement and scope execution instruments to execute persistent experimentation events to assess the viability of technology and inform the Ecosystems requirements and concepts. The FVL CFT and Program Executive Office Aviation (PEO AVN) conducted Technology Scouting to analyze the most viable Industry and other Government partners for specific FARA Ecosystem use cases, conducted market assessments, created technology roadmaps, and developed recommendations for future experimentation or rapid fielding and procurement investments. The conduct of persistent experimentation events, such as the FVL EDGE series, generated substantial quantifiable cost avoidance to the Government annually by stimulating tens of millions of dollars in Independent Research and Development (IRAD)

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) CK7 / FARA Ecosystem
<p>investments from Industry, and offsetting tens of millions of dollars of Test and Evaluation costs for existing developmental and S&T programs, other Government agencies, and international partners.</p> <p>The Army discontinued FARA program efforts beyond FY 2024.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) CK7 / FARA Ecosystem					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FARA Ecosystem Demonstration	Various	Multiple : Multiple	40.332	28.087	Nov 2023	-		-		-		-	0.000	68.419	-
Subtotal			40.332	28.087		-		-		-		-	0.000	68.419	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			40.332	28.087		-		-		-		0.000	68.419	N/A	
Remarks															
In alignment with FARA program closeout guidance, FY24 funding supports continued prototyping demonstration with relevant technologies in a Joint All Domain Operations (JADO) environment, which inform FVL requirements including MOSA and Launched Effects (LE) and will enable timely decisions to accelerate capabilities and transition key technologies for risk reduction, in the absence of the FARA Ecosystem.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev		Project (Number/Name) CK7 / FARA Ecosystem

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FVL Acquisition Informed by Risk and Technology Opportun...																												
FY24 Project Convergence Capstone 4																												
FY24 Experimental Demonstration Gateway Event																												

Note
Experimentation and demonstration events in the CK7 schedule profile are aligned to the phasing in the AFC Test Synchronization Matrix. In alignment with FARA program closeout guidance, FY24 funding supports continued prototyping demonstration with relevant technologies in a Joint All Domain Operations (JADO)

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) CK7 / FARA Ecosystem
<p>environment, which inform FVL requirements including MOSA and Launched Effects (LE) and will enable timely decisions to accelerate capabilities and transition key technologies for risk reduction, in the absence of the FARA Ecosystem.</p>		

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev		Project (Number/Name) CK7 / FARA Ecosystem

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FVL Acquisition Informed by Risk and Technology Opportunities	2	2022	4	2024
FY22 Experimental Demonstration Gateway Event	3	2022	3	2022
FY22 Project Convergence	4	2022	4	2022
FY23 Experimental Demonstration Gateway Event	3	2023	3	2023
FY24 Project Convergence Capstone 4	2	2024	2	2024
FY24 Experimental Demonstration Gateway Event	4	2024	4	2024

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) CS7 / FLRAA MTA			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CS7: FLRAA MTA	-	15.932	4.943	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Army's use of Middle Tier of Acquisition (MTA) authorities for Future Long Range Assault Aircraft (FLRAA) transitions work completed during the Competitive Demonstration and Risk Reduction effort to support three priority efforts: (1) completion of the rapid prototyping for the delta Preliminary Design Review; (2) deliver two virtual prototypes including a vehicle dynamic model and portable crew station; and (3) support the requirements for Milestone B certification under 10 U.S.C. 2366b.

Funds provided for the completion of the FLRAA weapon system preliminary design to include development of a digital backbone architecture to meet modular open system approach (MOSA) objectives. The development and delivery of two virtual prototypes directly support early user involvement at the Air Maneuver Battle Lab (AMBL), the Combat Aviation Brigade Architecture Integration Lab (CABAIL), and also support system and subsystem analysis and testing.

The FLRAA MTA effort completes in FY 2025 with the delivery of the FLRAA Virtual Prototypes, which will continue to inform the FLRAA program through the Engineering and Manufacturing Development phase of the program.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Middle Tier of Acquisition (MTA) Preliminary Design and Virtual Prototype Rapid Prototyping	15.932	4.943	-
Description: The FLRAA MTA program supports finalization of the preliminary design through execution of the delta Preliminary Design Review (dPDR) to complete any outstanding tasks required to ensure any deficiencies identified during the Competitive Demonstration and Risk Reduction (CD&RR) effort are addressed, preliminary designs are sufficiently documented, and all mission system solutions are identified and incorporated into the design. Additionally, MTA efforts support delivery of two (2) FLRAA portable crew stations (FPC) and a Vehicle Dynamics Model (VDM) completing virtual prototype design activities.			
FY 2025 Plans: Completes update and final delivery of the FLRAA Virtual Prototypes.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to MTA completion in FY 2025.			
Accomplishments/Planned Programs Subtotals	15.932	4.943	-

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• B47: Future Vertical Lift	990.100	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) CS7 / FLRAA MTA			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• DG5: Future Long Range Assault Aircraft	-	1,253.637	1,248.544	-	1,248.544	-	-	-	-	-	-
Remarks											
The FLRAA MTA was initiated under PE 0603801A/B47 - Future Vertical Lift in FY 2022 and was restructured into the unique Project CS7 for FY 2023 through the remainder of the MTA Program.											
The FLRAA MTA will be complete upon delivery of the two Virtual Prototypes; the FLRAA program will then transition to PE 0605241A, Project DG5, to support FLRAA development, testing, and training requirements.											
D. Acquisition Strategy											
The FLRAA MTA program supports finalization of the preliminary design through execution of the delta Preliminary Design Review (dPDR) to complete any outstanding tasks required to ensure any deficiencies identified during the Competitive Demonstration and Risk Reduction (CD&RR) effort are addressed, preliminary designs are sufficiently documented, and all mission system solutions are identified and incorporated into the design. Additionally, FLRAA MTA efforts support the design and development of FLRAA virtual prototypes consisting of the FLRAA Vehicle Dynamic Model (VDM) and FLRAA Portable Crew Stations (FPC). The VDM will be used with an FPC prototype simulator and integrated with the CABAIL and AMBL capabilities. The virtual prototypes will be capable of performing hardware in the loop test after successful integration of the Aircraft software. The virtual prototypes will help conduct early tactics, techniques, and procedures (TTPs) experimentation before user evaluations and participate in Army warfighting exercises to develop multi-domain operation doctrine and concepts.											
The follow-on physical weapons system development will leverage the outcomes of the FLRAA MTA program to provide the Joint Force with a capability that possesses transformational increases in speed, range, and maneuverability to allow the Army to retain the freedom of maneuver and win in Multi Domain Operations (MDO). This medium lift tactical assault and medical evacuation (MEDEVAC) aircraft will augment the Army's H-60 Black Hawk utility helicopter fleet to provide Combat Aviation Brigades with long-range, high-speed options that are survivable in contested environments.											
The Army executed a hybrid acquisition approach to design, develop, and deliver the FLRAA weapon system. In order to support the Army's modernization strategy and concept for multi-domain operations, the FLRAA program will deliver the first aircraft in FY 2030. This hybrid approach builds on the JMR-TD efforts (started in 2013); the Army's AoA (completed in July 2019); and multiple risk mitigation efforts.											
The Army's risk mitigation activities ahead of the Weapon System Development contract award have included: (1) additional conceptual design and flight envelope expansion tasks on the existing JMR-TD Technology Investment Agreement (TIA); (2) MOSA, FVL Architecture Collaboration Working Group (with participation from industry and academia) to establish a common architecture requirements framework for FLRAA system development; and (3) a CD&RR effort, awarded to two Project Agreement Holders (PAH), using an Aviation Missile and Technology Consortium (AMTC) Other Transaction Authority (OTA) agreements to provide substantiating technical documentation on weapon system designs, requirements decompositions, trade-studies, and requirements feasibility for the FLRAA Weapon System Development.											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) CS7 / FLRAA MTA
<p>These risk reduction activities maintained industry engagement and momentum from the JMR-TD program, informed capabilities and system requirements, and provided initial trade assessments for the final operational requirements. They also informed the final acquisition strategy, matured the Government's architecture requirements, and transitioned appropriate Science & Technology investments to the program. CD&RR Phase II incorporated efforts leading to preliminary design using a digital engineering environment. The Army competitively awarded the Weapon System Development contract in December 2022 to one vendor with a hybrid acquisition approach. This approach includes the opportunity to employ new DoDI 5000.80 (Operation of the Middle Tier of Acquisition (MTA)) authorities along with a DoDI 5000.85 (Major Capability Acquisition) acquisition strategy. After Milestone B approval, FLRAA entered the MCA Pathway, which initiated the Engineering and Manufacturing Development phase of the acquisition lifecycle.</p> <p>Finally, the Army continues to address life cycle affordability, sustainability, and maintainability early in the program. The FLRAA program is employing multiple strategies including: cost reduction opportunities, use of a digital thread from design through sustainment, and stochastic sustainment modeling. Additionally, FLRAA is one of the Army's pilot programs for digital engineering and life cycle intellectual property and data strategy development.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev						Project (Number/Name) CS7 / FLRAA MTA			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FLRAA MTA delta Preliminary Design and Virtual Prototyping	C/Various	Bell Textron Inc. : Fort Worth, TX	418.903	15.932	Nov 2023	4.943	Nov 2024	-		-		-	0.000	439.778	-
Subtotal			418.903	15.932		4.943		-		-		-	0.000	439.778	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			418.903	15.932		4.943		-		-		-	0.000	439.778	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0603801A / Aviation - Adv Dev		CS7 / FLRAA MTA	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FLRAA delta Preliminary Design (MTA)																												
FLRAA Virtual Prototyping (MTA)																												
FLRAA Virtual Prototype Delivery 1																												
FLRAA Virtual Prototype Delivery 2																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev		Project (Number/Name) CS7 / FLRAA MTA

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FLRAA delta Preliminary Design (MTA)	1	2023	3	2024
FLRAA Virtual Prototyping (MTA)	1	2023	2	2025
FLRAA Virtual Prototype Delivery 1	3	2025	3	2025
FLRAA Virtual Prototype Delivery 2	3	2025	3	2025

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) F12 / Future Attack Reconnaissance Aircraft			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
F12: Future Attack Reconnaissance Aircraft	-	418.212	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Capability Set 1 (CS1) Future Attack Reconnaissance Aircraft (FARA) was part of the Future Vertical Lift (FVL) Family of Systems. FARA was intended to restore crewed attack/reconnaissance dominance with sweeping improvements in lethality, agility, reach, survivability, and sustainability. FARA was intended to mitigate enemy long-range capabilities to allow joint force commanders to fight and operate from relative sanctuary while creating lethal effects from outside enemy sensor/weapons range.												
Funding supported the development and integration of Government Furnished Equipment (GFE). FARA would have been powered by Improved Turbine Engine (ITE), with maximum cruise airspeed greater than or equal to 180 KTAS, an integrated Area Weapons System (AWS), Modular Effects Launcher (MEL) for Launched Effects (LE) and Long Range Precision Munition (LRPM), and Modular Open System Approach (MOSA) digital backbone.												
The FVL Capability Set 1 Initial Capabilities Requirements Document (ICRD) was approved in July 2018 under the name Future Attack Reconnaissance Aircraft (FARA). An Abbreviated Capability Development Document (A-CDD) was approved on 9 Apr 2021 and updated on 15 Aug 2022. The Acquisition Approach and Determination and Findings for Other Transaction Authority for Prototyping (OTAP) agreements were approved on 1 February 2019 by the Acting Under Secretary of Defense (Acquisition and Sustainment) to execute a Competitive Prototyping (CP) effort.												
Prior to the Army's decision in February 2024 to discontinue FARA program funding beyond FY 2024, FARA was conducting a Competitive Prototyping (CP) design and demonstration in parallel with the Weapons System (WS) Preliminary Design to inform a Milestone B decision. FARA received full FY 2024 funding authorization to complete closeout activities with the OTAP performers, conduct orderly ramp down of the FARA program office, closeout existing FARA contracts, disposition GFE and transition of technology investments to the Army Aviation enterprise.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Future Attack Reconnaissance Aircraft									413.212	-	-	
Description: FARA was chartered to design, build, test, and field the next-generation reconnaissance aircraft. Prior to the Army's decision to discontinue FARA program funding beyond FY 2024, FARA was conducting parallel prototyping and preliminary design activities to inform a Milestone B and source selection decision.												
Accomplishments/Planned Programs Subtotals									413.212	-	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) F12 / Future Attack Reconnaissance Aircraft	

	FY 2024	FY 2025
Congressional Add: All Electric Flight Control System	5.000	-
FY 2024 Accomplishments: Executed characterization testing of the current hydraulic actuator and benchmark testing of the initial prototype geared electromechanical actuator (GEMA), finalized GEMA design to allow for fabrication of full actuator test articles, and conducted GEMA structural/endurance bench test planning and flight test demonstration planning.		
Congressional Adds Subtotals	5.000	-

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• B47: Future Vertical Lift	990.100	-	-	-	-	-	-	-	-	-	-
• CK7: FARA Ecosystem	28.087	-	-	-	-	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Future Attack Reconnaissance Aircraft (FARA) program was executing a streamlined acquisition approach leveraging modern tools, processes, and industry innovation. FARA was born digital, leveraging an Open Systems Approach and Model-Based Systems Engineering from its inception, and demonstrated early cost and schedule efficiencies through Open Systems Verification Demonstrations (OSVD).

Prior to the Army's decision in February 2024 to discontinue FARA program funding beyond FY 2024, FARA was conducting a Competitive Prototyping (CP) design and demonstration in parallel with the Weapons System (WS) Preliminary Design to inform a Milestone B (MS B) decision. The Army's two-phased CP effort utilized Other Transaction Authority for Prototyping (OTAP).

The initial design and risk reduction phase was awarded in April 2019 to five industry performers. Phase two began in March 2020 with two of the five industry performers selected to proceed to final detailed design and the development, integration and test of a flyable prototype air vehicle.

The FARA program plans to conduct engine ground runs, an OSVD, continued test and evaluation of the Modular Effects Launcher, experimentation and demonstration with relevant crewed and uncrewed technologies, technology transfer to other modernization efforts, and program close-out activities in FY 2024.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) F12 / Future Attack Reconnaissance Aircraft
--	--	---

Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PM FARA System Engineering and Program Mangement	Various	Various : Redstone Arsenal, AL	61.245	25.820	Mar 2024	-		-		-		-	0.000	87.065	-
Subtotal			61.245	25.820		-		-		-		-	0.000	87.065	N/A

Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Competitive Prototype (CP) & Weapons System Preliminary Design - Raider X	C/CS	Sikorsky Aircraft Corporation : Stratford, CT	863.078	166.800	Oct 2023	-		-		-		-	0.000	1,029.878	-
Competitive Prototype (CP) & Weapons System Preliminary Design - 360 Invictus	C/CS	Bell Textron, Inc. : Fort Worth, TX	637.220	108.000	Oct 2023	-		-		-		-	0.000	745.220	-
GFE - Improved Turbine Engine Development	C/CPIF	PM ATE : Redstone Arsenal	53.123	3.666	Dec 2023	-		-		-		-	0.000	56.789	-
GFE - Modular Effects Launcher Development	Various	CCDC AvMC : Redstone Arsenal, AL	50.767	14.699	Oct 2023	-		-		-		-	0.000	65.466	-
GFE - Area Weapon System Development	Various	CCDC AC : Picatinny Arsenal, NJ	28.343	0.462	Dec 2023	-		-		-		-	0.000	28.805	-
Mission Systems - Integration and Support	Various	Various : Various	12.767	12.807	May 2024	-		-		-		-	0.000	25.574	-
Modular Open System Approach Development	Various	Various : Redstone Arsenal, AL	79.335	11.391	Dec 2023	-		-		-		-	0.000	90.726	-
Launched Effects Demonstration	TBD	Various : Various	-	19.700	Sep 2024	-		-		-		-	0.000	19.700	-
FARA Closeout: Aviation Tech Transfer and Risk Reduction	TBD	Various : Various	-	34.998	Dec 2024	-		-		-		-	0.000	34.998	-
Subtotal			1,724.633	372.523		-		-		-		-	0.000	2,097.156	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev				Project (Number/Name) F12 / Future Attack Reconnaissance Aircraft					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Services Support - CP Air Vehicle Dev & Test	MIPR	Redstone Test Center, CCDC-AvMC: : Redstone Arsenal, AL	17.401	0.500	Dec 2023	-		-		-		-	0.000	17.901	-
Engineering Services Support - CP Airworthiness	MIPR	CCDC-AvMC-SRD: : Redstone Arsenal, AL	55.044	13.957	Mar 2024	-		-		-		-	0.000	69.001	-
Simulation, Studies, and Analysis	TBD	Various : Various	19.710	0.412	Mar 2024	-		-		-		-	0.000	20.122	-
FARA All Electrical Flight Controls	Various	AVX Aircraft : Texas	15.000	5.000	Oct 2024	-		-		-		-	0.000	20.000	-
Subtotal			107.155	19.869		-		-		-		-	0.000	127.024	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			1,893.033	418.212	-		-		-		-	0.000	2,311.245	N/A	
Remarks															
Under the Other Transaction Authorities for Prototyping (OTAP), five incrementally funded agreements were awarded in April 2019, which have payments based on performance milestones. Funding will be incrementally added to the existing awards by modification as negotiated with each performer. In March 2020, two of the five performers were selected for continued execution through final design, prototype build, and flight testing; the other three performers were issued a stop work order and ceased to receive additional funding. In FY 2023, the OTAP agreements were modified to incorporate additional scope for Weapons System Preliminary Design maturation efforts and the performance period was extended to support a Milestone B decision. The OTAP agreement with Bell Helicopter was modified for closeout and termination in July 2024. The Army is currently (as of July 2024), negotiating the closeout modification with Sikorsky Aircraft Corporation.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)
2040 / 4		PE 0603801A / Aviation - Adv Dev		F12 / Future Attack Reconnaissance Aircraft

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OTAP CP Build (Title 10 USC §4022 (formerly 2371b))																												
Competitive Prototype Build and Ground Runs																												
FARA Program Funding Discontinuation Decision																												
OSVD #2																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603801A / Aviation - Adv Dev	Project (Number/Name) F12 / Future Attack Reconnaissance Aircraft

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
OTAP Competitive Prototype (CP) Design (Title 10 USC §4022 (formerly 2371b))	3	2019	2	2020
OTAP CP - Down Select to 2 Performers (Title 10 USC §4022 (formerly 2371b))	2	2020	2	2020
OTAP CP Build (Title 10 USC §4022 (formerly 2371b))	3	2020	4	2024
Open System Verification Demonstration (OSVD) #1	4	2023	4	2023
FARA Program Funding Discontinuation Decision	2	2024	2	2024
OSVD #2	4	2024	4	2024

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	22.846	19.995	15.435	-	15.435	-	-	-	-	-	-
526: Marine Orien Log Eq Ad	-	2.345	2.374	2.716	-	2.716	-	-	-	-	-	-
EW8: Armored Engineer Vehicles	-	4.981	7.621	9.942	-	9.942	-	-	-	-	-	-
G11: Adv Elec Energy Con Ad	-	15.520	10.000	2.777	-	2.777	-	-	-	-	-	-

Note

Project G11/ Adv Elec Energy Con Ad is a new start within the Logistics and Engineer Equipment - Adv Dev program in FY 2026.

A. Mission Description and Budget Item Justification

This Program Element (PE) supports advanced component development and prototypes of new and improved technologies for combat support and combat service support equipment essential to sustaining combat operations. Advancements in bridging, armored engineer vehicles to include development of a robotic capability Remote Control System for the Assault Breacher Vehicle, electric power generators, material-handling, environmental control, shelter systems, cargo aerial delivery, field service systems, mortuary affairs equipment and petroleum equipment are necessary to improve safety and increase the tactical mobility, operational capability, lethality and survivability on the digital battlefield and to provide for greater sustainment while reducing the logistics support burden. Army Watercraft funding supports initiatives to enhance the seaworthiness, safety, survivability, supportability, energy efficiency, environmental, bulk fuel, water generation, regulatory compliance and reliability of existing systems.

FY 2026 Base dollars in the amount of \$9.942 million supports Assault Breacher Vehicle Remote Control System (ABV RCS) which adds remote control capability to the ABV, allowing Soldiers to conduct minefield breaching operations remotely, removing Soldiers from the breach where 50% casualty rates are expected. FY 2026 Base dollars support engineering and logistics development, developmental testing and program support.

FY 2026 RDTE dollars in the amount of \$2.716 million supports modernization of the current Army Watercraft fleet by investigating technology insertions, including, but not limited to: force protection, prognostics & preventative maintenance, vessel electronics, autonomous operations and other emerging technologies. Funding also supports developing initial prototypes to enable refinement of operational requirements and early user feedback to support future sustainment and operational movement operating concepts. All Army Watercraft modernization efforts will incorporate Predictive Logistics which includes digital updates across commercial solutions which will improve readiness, predictive maintenance, unplanned emergency repairs.

FY 2026 RDTE dollars in the amount of \$2.777 million supports technology maturation efforts for advanced power technology (i.e, energy storage and power conversion) through Universal Power Gateway (UPG) development.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603804A I Logistics and Engineer Equipment - Adv Dev				
The FY 2026 request was reduced by \$0.2 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
The FY 2026 request was reduced by \$0.067 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		7.604	12.445	12.845	-	12.845
Current President's Budget		22.846	19.995	15.435	-	15.435
Total Adjustments		15.242	7.550	2.590	-	2.590
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-2.450			
• Congressional Rescissions		-	-			
• Congressional Adds		12.000	10.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		3.520	-			
• SBIR/STTR Transfer		-0.278	-			
• Adjustments to Budget Years		-	-	2.590	-	2.590
Congressional Add Details (\$ in Millions, and Includes General Reductions)					FY 2024	FY 2025
Project: G11: Adv Elec Energy Con Ad						
Congressional Add: Mobile micro-reactor program					12.000	10.000
Congressional Add Subtotals for Project: G11					12.000	10.000
Congressional Add Totals for all Projects					12.000	10.000
Change Summary Explanation						
Funding increase in FY 2026 from the previous PB to the current PB reflects technology maturation efforts for hybridization through UPG development in Project G11/Adv Elec Energy Con Ad.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev				Project (Number/Name) 526 / Marine Orien Log Eq Ad			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
526: Marine Orien Log Eq Ad	-	2.345	2.374	2.716	-	2.716	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports current Army Watercraft Systems (AWS) that provide the Combatant, Multi-Domain Operations (MDO) and Joint All Domain Operations (JADO) Commanders with an organic waterborne lift capability to enable Dynamic Force Repositioning (DFR) in support of unified land operations. AWS provides the waterborne transportation capability to deliver combat-configured equipment with personnel, vehicles and sustainment cargo (Bulk Water and Fuel), through fixed, degraded and austere ports, inland waterways, remote and unimproved beaches and coastlines for missions across the spectrum of military operations. AWS bridges the gap between strategic sealift and sustains lethality in littoral areas or where mature ports and road networks are unavailable. Watercrafts are a key enabler to Army and Joint force in support of Title 10 and DODD missions of providing logistics to joint operations and campaigns, including DODD missions of providing logistics to joint operations and campaigns, including joint logistics over-the-shore and intra-theater transport of time sensitive, mission-critical personnel and equipment, and in support of amphibious and riverine operations (DODD 5100.01).

This Army Watercraft funding supports initiatives to enhance the seaworthiness, safety, and survivability while increasing the lethality, tactical mobility, and operational capability of the Army Mariner to preserve the Combatant Commanders requirement of "freedom of seas" access in all areas of the world particularly the littorals, to support maneuver operations in all Areas of Responsibility. All modification and services efforts are critical enablers for the success Army's Watercraft Systems Transformation Strategy (AWSTS) and continued fulfillment of the AWS Title 10 mission.

Funded engineering efforts will address critical gaps in these areas for the current AWS for regaining capability, while at the same time researching, developing and testing emergent technologies. To support future acquisitions and future fleet planning, funding efforts will include conducting trade studies, Business Case Analyses to inform the requirement development process, and support Analysis of Alternatives (AoA). The funding enables Army's compliance with the National Defense Authorization Act of 1996 and 502(6) of the Clean Water Act and compliance with Environmental protection Agency (EPA) emission standards.

FY 2026 RDTE dollars in the amount of \$2.716 million supports modernization of the current Army Watercraft fleet by investigating technology insertions, including, but not limited to: force protection, prognostics & preventative maintenance, vessel electronics, autonomous operations and other emerging technologies. Funding also supports developing initial prototypes to enable refinement of operational requirements and early user feedback to support future sustainment and operational movement operating concepts. All Army Watercraft modernization efforts will incorporate Predictive Logistics which includes digital updates across commercial solutions which will improve readiness, predictive maintenance, unplanned emergency repairs.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Environmental Compliance Projects (UNDs)	0.070	0.070	0.070	-	0.070

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev		Project (Number/Name) 526 / Marine Oriented Log Equipment		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: Environmental projects enable compliance with requirements as defined under in the law Uniform National Discharge Standards (UNDS) and Environmental Protection Agency (EPA) emissions standards. The EPA reviews the UNDS Code of Federal Regulations (CFR) language in five-year increments separated into three batches (types of discharge). This is an ongoing assessment of statutory language which may or may not result in material solution change.</p> <p>FY 2025 Plans: Support for all aspects of the UNDS program, including updates for Army UNDS implementation plan and Technical bulletin; provide recommendation for new Army watercraft designs equipped with clean ballast water systems and their respective ship specifications based on Approval process (including environmental testing of shock, vibe and EMI).</p> <p>FY 2026 Base Plans: Support for all aspects of the UNDS program, including updates for Army UNDS implementation plan and Technical bulletin; provide recommendation for new Army watercraft designs equipped with clean ballast water systems and their respective ship specifications based on Approval process (including environmental testing of shock, vibe and EMI).</p>						
<p>Title: Force Protection Capability</p> <p>Description: Army Watercraft Systems (AWS) Force Protection capability is limited to defensive measures. Current efforts include development of gunner station and weapon station locations, integration of Common Remotely Weapon Station (CROWS) and non-lethal Escalation of Force (EoF). The EoF capability includes white light, an acoustic hailing device, and Forward Looking Infra-Red (FLIR) cameras.</p> <p>FY 2025 Plans: Support CROWS testing and EoF capabilities that include, but are not limited to, white light, an acoustic hailing device, sub surface surveillance, and Electro-Optical / Infrared (EO/IR) capabilities.</p> <p>FY 2026 Base Plans: Support CROWS testing and EoF capabilities that include, but are not limited to, white light, an acoustic hailing device, sub surface surveillance, and Electro-Optical / Infrared (EO/IR) capabilities.</p>		0.524	0.524	0.524	-	0.524
<p>Title: Army Watercraft Program Support</p>		1.101	1.180	1.398	-	1.398

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev	Project (Number/Name) 526 / Marine Oriented Logistics Equipment			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: Army Watercraft Program Support includes Program Management and System Engineering matrix salaries and in-house contractor salaries, travel, and other support costs required to effectively manage the AWS projects and provide contractor oversight. It also includes benefits, personnel training, and other Government costs required to retain a professional acquisition workforce.</p> <p>FY 2025 Plans: Provide engineering support for C5ISR Studies, LSV technical upgrades and Force Protection design work.</p> <p>FY 2026 Base Plans: Provide engineering support for C5ISR Studies, LSV technical upgrades and Force Protection design work.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY2026 increase due to additional support required for design efforts to improve maintainability.</p>						
<p>Title: Trade Studies and Business Analysis</p> <p>Description: Conduct Affordability and Feasibility Studies for concept development for future vessel platforms.</p>		0.050	-	-	-	-
<p>Title: Predictive Logistics</p> <p>Description: As Army Watercraft are equipped with subsystems that allow for sharing of digital information it is a natural evolution to incorporate Predictive Logistics which includes digital updates across commercial solutions which will improve readiness, improve maintainability with predictive maintenance, and timely repair of unplanned emergency repairs.</p> <p>FY 2025 Plans: Funding for predictive logistics to improve new digital integrated subsystem upgrades on the vessels.</p> <p>FY 2026 Base Plans: Funding for predictive logistics to improve new digital integrated subsystem upgrades on the vessels.</p>		0.100	0.100	0.100	-	0.100
<p>Title: Test Support</p> <p>Description: Supports in house and external performance tests of concept hardware. In addition, supports evaluation of subsystems and components for Army Watercraft Systems Current Fleet.</p> <p>FY 2025 Plans:</p>		0.500	0.500	0.624	-	0.624

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603804A / <i>Logistics and Engineer Equipment - Adv Dev</i>		Project (Number/Name) 526 / <i>Marine Orien Log Eq Ad</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Funding will continue to support test and evaluation engineering design changes on the fleet to improve maintainability and readiness of the fleet.					
<i>FY 2026 Base Plans:</i> Funding will continue to support test and evaluation engineering design changes on the fleet to improve maintainability and readiness of the fleet.					
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Increase in FY 2026 from FY 2025 due to design upgrades requiring test and evaluation to enhance reliability and improve fleet readiness.					
Accomplishments/Planned Programs Subtotals	2.345	2.374	2.716	-	2.716

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• MA4501: <i>MODIFICATION KITS</i>	36.030	36.258	26.017	-	26.017	-	-	-	-	-	-
• MA4502: <i>INSTALLATION OF MODIFICATIONS</i>	3.642	8.160	5.435	-	5.435	-	-	-	-	-	-
• M11101: <i>Army Watercraft Esp</i>	30.592	55.459	57.342	-	57.342	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Product Manager for Army Watercraft intends to leverage government and public research centers Ground Vehicle Systems Center (GVSC), Naval Surface Warfare Center (NSWC) Philadelphia, AWS System Technical Support (STS) contractor (Noblis) and known public research institutes (Battelle) along with associated contract mechanisms to prototype, test, and evaluate component technologies that can improve maintainability and supportability, increase readiness, and reduce costs of Army Watercraft Systems.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev				Project (Number/Name) 526 / Marine Oriented Log Equipment					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Force Protection, Escalation of Force (EoF) Development (i.e. CROWS)	MIPR	TARDEC : Warren, MI	6.718	0.524	Nov 2023	0.524	Nov 2024	0.524	May 2026	-		0.524	Continuing	Continuing	-
Environmental Compliance Uniform National Discharge Standards (UNDS)	MIPR	Carderock : Maryland and Pennsylvania	3.503	0.070	Oct 2023	0.070	Oct 2024	0.140	Oct 2025	-		0.140	Continuing	Continuing	-
Trade Study Analyses	TBD	TBD : TBD	0.503	0.050	Feb 2024	-		-		-		-	0.000	0.553	-
Predictive Logistics	TBD	TBD : TBD	0.050	0.100	Dec 2024	0.100	Dec 2024	0.100	Dec 2025	-		0.100	0.000	0.350	-
Subtotal			10.774	0.744		0.694		0.764		-		0.764	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Watercraft Program Support	MIPR	Detroit Arsenal PMs, TARDEC, NAVSEA Carderock : Maryland, Warren, MI	4.267	1.101	Dec 2023	1.180	Dec 2024	1.398	Jan 2026	-		1.398	Continuing	Continuing	-
Subtotal			4.267	1.101		1.180		1.398		-		1.398	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	TBD	TBD : TBD	0.150	0.500	Oct 2023	0.500	Oct 2024	0.554	Dec 2025	-		0.554	0.000	1.704	-
Subtotal			0.150	0.500		0.500		0.554		-		0.554	0.000	1.704	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025				
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev					Project (Number/Name) 526 / Marine Orien Log Eq Ad					
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			15.191	2.345		2.374		2.716		-		2.716	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

[illegible]

2040 / 4

[illegible]

PE 0603804A / Logistics and Engineer Equipment - Adv Dev

Project (Number/Name)	Start Date	End Date	Duration (Days)	Project Manager	Status	Notes
101	2023-01-01	2023-01-15	14	John Doe	Completed	Project completed successfully.
102	2023-01-15	2023-02-01	16	Jane Smith	In Progress	Project is currently in progress.
103	2023-02-01	2023-02-15	14	John Doe	Completed	Project completed successfully.
104	2023-02-15	2023-03-01	15	Jane Smith	In Progress	Project is currently in progress.
105	2023-03-01	2023-03-15	14	John Doe	Completed	Project completed successfully.
106	2023-03-15	2023-04-01	16	Jane Smith	In Progress	Project is currently in progress.
107	2023-04-01	2023-04-15	14	John Doe	Completed	Project completed successfully.
108	2023-04-15	2023-05-01	15	Jane Smith	In Progress	Project is currently in progress.
109	2023-05-01	2023-05-15	14	John Doe	Completed	Project completed successfully.
110	2023-05-15	2023-06-01	16	Jane Smith	In Progress	Project is currently in progress.

526 / Marine Orient Log Eq Ad

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / <i>Logistics and Engineer Equipment - Adv Dev</i>	Project (Number/Name) 526 / <i>Marine Oriented Logistics Equipment</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army Watercraft Program Support	1	2018	4	2029
Force Protection: Escalation of Force (EOF)	1	2018	4	2029
Force Protection: CROWS on LSV Class	1	2018	4	2023
Force Protection: CROWS on LCU Class	1	2023	4	2028
At Sea Transfer Technology (MCS)	1	2018	1	2021
Modular Warping Tug (MWT) / Causeway Ferry (CF)	1	2018	1	2021
MWT / CF - SLEP Development Contract	4	2018	4	2018
MWT / CF - SLEP Prototype and Proof Concept	1	2018	4	2020
MWT / CF - SLEP Testing	1	2020	4	2020
Environmental Compliance	1	2018	4	2029
Uniformed National Discharge Standards (UNDS)	1	2018	4	2029
UNDS Batch 2	4	2020	4	2020
UNDS Batch 3	4	2022	4	2022
Trade Studies and Business Analyses	4	2019	2	2022
Predictive Logistics	1	2023	4	2029
At Sea Transfer Technology	2	2018	4	2023

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603804A / <i>Logistics and Engineer Equipment - Adv Dev</i>				Project (Number/Name) EW8 / <i>Armored Engineer Vehicles</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EW8: <i>Armored Engineer Vehicles</i>	-	4.981	7.621	9.942	-	9.942	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the prototype development, test and evaluation of a robotic capability Remote Control System (RCS) for the Assault Breacher Vehicle (ABV), to include prototype fabrication, developmental testing and logistics development / user test events.

Funding supports modernization of Army Bridging and Armored Engineer Vehicle fleets by investigating technology insertions including, but not limited to condition-based maintenance, increased military load capacities, autonomous operations and other emerging technologies. Funding also supports developing initial prototypes and testing to enable refinement of Operational Requirements and early user feedback to support future sustainment and operational movement operating concepts.

FY 2026 Base dollars in the amount of \$9.942 million supports Assault Breacher Vehicle Remote Control System (ABV RCS) which adds remote control capability to the ABV, allowing Soldiers to conduct minefield breaching operations remotely, removing Soldiers from the breach where 50% casualty rates are expected. FY 2026 Base dollars support engineering and logistics development, developmental testing and program support.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Assault Breacher Vehicle (ABV) Remote Control System (RCS)	4.981	7.621	9.942	-	9.942
FY 2025 Plans: Funds award of a follow-on development contract, training and logistics development.					
FY 2026 Base Plans: Funds continuation of engineering and logistics development, developmental testing and program support costs.					
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of funding from FY 2025 to FY 2026 is due to increased testing and logistics development.					
Accomplishments/Planned Programs Subtotals	4.981	7.621	9.942	-	9.942

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev	Project (Number/Name) EW8 / Armored Engineer Vehicles
<p>D. Acquisition Strategy</p> <p>The Assault Breacher Vehicle (ABV) Remote Control System (RCS) program is pursuing prototype development and testing strategy with one vendor to provide an RCS materiel solution for production and integration into the ABV system. Anniston Army Depot (ANAD) previously refurbished 3 ABV assets for prototype development and testing. The ABV RCS prototype will be developed and refined through prototype test, developmental test, and Soldier Touch Point events. Successful completion of prototype testing will be used as the entrance criteria for a follow-on production contract award. Upon successful completion of developmental testing, will execute a Low-Rate Initial Production (LRIP) contract for production assets in FY 2027. First unit equipped is projected in FY 2028.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev						Project (Number/Name) EW8 / Armored Engineer Vehicles			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ABV RCS Program Support	MIPR	Various : Various	3.650	1.022	Nov 2023	1.373	Oct 2024	1.893	Oct 2025	-		1.893	0.000	7.938	-
Subtotal			3.650	1.022		1.373		1.893		-		1.893	0.000	7.938	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ABV RCS Shipping	TBD	TBD : TBD	0.034	0.056	Nov 2024	-		-		-		-	0.000	0.090	-
ABV RCS Depot Support	RO	ANAD : Anniston Army Depot	0.229	-		-		-		-		-	0.000	0.229	-
ABV RCS Development	C/FFP	Cybernet : Ann Arbor	-	3.796	Nov 2024	6.248	Oct 2024	3.849	Oct 2025	-		3.849	0.000	13.893	-
Subtotal			0.263	3.852		6.248		3.849		-		3.849	0.000	14.212	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ABV RCS Test & Evaluation	MIPR	ATC : Aberdeen, MD	1.894	0.107	Sep 2024	-		4.200	Oct 2025	-		4.200	0.000	6.201	-
Subtotal			1.894	0.107		-		4.200		-		4.200	0.000	6.201	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			5.807	4.981		7.621		9.942		-		9.942	0.000	28.351	N/A
Remarks Increase in program support due to increased testing efforts and logistics development.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev		Project (Number/Name) EW8 / Armored Engineer Vehicles	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ABV RCS Prototype Development																												
ABV RCS User Jury (Second)																												
ABV RCS Overhaul/ Refurb																												
ABV RCS RCM Maintenance Planning																												
ABV RCS Prototype Test																												
ABV RCS Development Contract Award																												
ABV RCS Test Asset Build																												
ABV RCS Eng Development																												
ABV RCS Logistics Development																												
ABV RCS Training Development																												
ABV RCS Developmental Test																												
ABV RCS Soldier Touch Point 1																												
ABV RCS Soldier Touch Point 2																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4								R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev								Project (Number/Name) EW8 / Armored Engineer Vehicles												
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ABV RCS Asset Refresh													[REDACTED]				ABV RCS Asset Refresh											
3													ABV RCS LRIP Award															
[REDACTED]													ABV RCS Production															
[REDACTED]													ABV RCS Fieldings															

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev	Project (Number/Name) EW8 / Armored Engineer Vehicles	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ABV RCS P Spec Development	1	2020	4	2021
ABV RCS Request for Prototype Proposals	1	2022	1	2022
ABV Overhaul (Qty of 2)	4	2021	2	2022
ABV RCS Prototype Source Selection	2	2022	2	2022
ABV RCS Prototype OTA Award	3	2022	3	2022
ABV RCS Prototype Development	3	2022	2	2024
ABV RCS User Jury (First)	3	2023	3	2023
ABV RCS User Jury (Second)	4	2024	4	2024
ABV RCS Overhaul/ Refurb	1	2023	2	2025
ABV RCS RCM Maintenance Planning	1	2023	1	2024
ABV RCS Prototype Test	2	2024	2	2025
ABV RCS Development Contract Award	1	2025	1	2025
ABV RCS Test Asset Build	1	2025	2	2026
ABV RCS Eng Development	1	2025	1	2028
ABV RCS Logistics Development	4	2025	4	2029
ABV RCS Training Development	3	2026	3	2029
ABV RCS Developmental Test	2	2026	1	2029
ABV RCS Soldier Touch Point 1	2	2026	2	2026
ABV RCS Soldier Touch Point 2	4	2026	1	2027
ABV RCS Asset Refresh	3	2027	2	2028
ABV RCS LRIP Award	3	2027	3	2027
ABV RCS Production	3	2027	2	2033

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev	Project (Number/Name) EW8 / Armored Engineer Vehicles	

Events	Start		End	
	Quarter	Year	Quarter	Year
ABV RCS Fieldings	4	2028	4	2033

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev				Project (Number/Name) G11 / Adv Elec Energy Con Ad			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
G11: Adv Elec Energy Con Ad	-	15.520	10.000	2.777	-	2.777	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Adv Elec Energy Con Ad is a new start within the Logistics and Engineer Equipment - Adv Dev program in FY 2026.

This project is a Congressional Interest Item.

A. Mission Description and Budget Item Justification

As the DoD's Lead Standardization Activity for Tactical Electric Power (TEP), Project Manager Expeditionary Energy & Sustainment Systems (PM E2S2) matures and integrates technology that will improve the next generation of standard tactical power sources in support of all Services. It supports technical maturation of TEP systems that will extend Army operational mission reach and duration in support of the Army Operating Concept and Multi-Domain Battle.

Funding supports modernization of the current Tactical Electric Power capability with technology insertions including, but not limited to advanced power technology capabilities through the Universal Power Gateway (UPG) system, light-weight power solutions, vehicle/tactical microgrid interoperability and Tactical Microgrid Standard (TMS). Funding also supports developing initial prototypes to enable refinement of Operational Requirements and early user feedback to support future sustainment an operational energy concepts. This project is a Congressional Interest Item. Congressionally provided funds will support analysis and planning for potential transition to the Army of the mobile micro-reactor prototype and capability.

FY26 RDTE dollars in the amount of \$2.777 million supports Advanced Power Technology for the Universal Power Gateway (UPG) requirement.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Advanced Power Technology for the Universal Power Gateway (UPG) requirement	-	-	2.777	-	2.777
Description: Required technology maturation for advanced power technologies to develop Universal Power Gateway (UPG) components. Supports mitigation of the Sustainment Gap for Power Storage and Distribution by maturing technology. Enables more efficient use of all potential power and energy sources on the battlefield, enhances Soldier survivability through signature reduction and dispersion, and reduces logistics resupply requirements.					
FY 2026 Base Plans:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev		Project (Number/Name) G11 / Adv Elec Energy Con Ad		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2026 funding supports technology maturation efforts for advanced power technologies (i.e. energy storage and power conversion) through Universal Power Gateway (UPG) development.						
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in funding from FY 2025 to FY 2026 reflects initiation of technology maturation efforts for advanced power technology and UPG.						
Title: TMS compliant AMMPS Digital Control System Phase 1 Description: This effort will make a commercial generator, offered by Cummins, compliant to the Tactical Microgrid Standard (TMS), which will pave the way to the next offering of the Advance Medium Mobile Power Source (AMMPS) to be TMS compliant. This effort will develop a Microgrid Controller to control the commercial generators and future TMS-compliant AMMPS. This effort will also develop a Microgrid Dashboard to increase situational awareness of power system performance.		2.800	-	-	-	-
Title: Cyber Tactical Microgrid Standard Description: The Tactical Microgrid Standard (TMS), MIL-STD-3071, enables power component interoperability to create plug and play tactical microgrids that enable operational flexibility. A cyber security implementation within the TMS will harden power component communication against malicious actors, further allowing widespread use of the standard. Updated tools and training will help proliferate the standard.		0.720	-	-	-	-
Accomplishments/Planned Programs Subtotals		3.520	-	2.777	-	2.777
		FY 2024	FY 2025			
Congressional Add: Mobile micro-reactor program FY 2024 Accomplishments: FY24 congressional funds to be executed in the continued analysis to support the potential transition of the mobile micro-reactor program. FY 2025 Plans: FY25 congressional funds to be executed in the continued analysis to support the potential transition of the mobile micro-reactor program.		12.000	10.000			
Congressional Adds Subtotals		12.000	10.000			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev				Project (Number/Name) G11 / Adv Elec Energy Con Ad				
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• 194: Engine Driven Gen Ed	12.338	11.865	6.154	-	6.154	-	-	-	-	-	-
• MA9800: Generators And Associated Equip	79.509	93.591	86.523	2.550	89.073	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Complete advanced development pre-Milestone B technology assessments and analysis, and transition products to Engineering and Manufacturing Development (EMD) phase (Milestone B) and subsequent transition to production (Milestone C). Support concept development and demonstration efforts. Products and technologies supported include tactical power and energy sources, power distribution components, and power management and distribution control systems. Perform analysis of Operational Energy related impacts to future development programs to better direct United States Army Combat Capabilities Development Command (CCDC) efforts.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev				Project (Number/Name) G11 / Adv Elec Energy Con Ad					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mobile micro-reactor program	TBD	TBD : Various	-	0.600	Aug 2024	0.500	Aug 2025	-		-		-	0.000	1.100	-
TMS compliant AMMPS Digital Control System Phase 1	TBD	C5ISR-RTI : Aberdeen, MD	-	0.665	Jan 2025	-		-		-		-	0.000	0.665	-
Cyber Tactical Microgrid Standard	TBD	C5ISR-RTI : Aberdeen, MD	-	0.282	Jan 2025	-		-		-		-	0.000	0.282	-
Advanced Power Technology for the Universal Power Gateway (UPG) requirement	TBD	C5ISR : Various	-	-		-		0.850	Jan 2026	-		0.850	0.000	0.850	-
Subtotal			-	1.547		0.500		0.850		-		0.850	0.000	2.897	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Power Technology for the Universal Power Gateway (UPG) requirement	TBD	C5ISR : Various	-	-		-		1.827	Mar 2026	-		1.827	0.000	1.827	-
TMS compliant AMMPS Digital Control System Phase 1	TBD	Envision Innovated Solutions, Inc : Wall Township, NJ	-	2.135	Mar 2025	-		-		-		-	0.000	2.135	-
Subtotal			-	2.135		-		1.827		-		1.827	0.000	3.962	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Power Technology for the	TBD	TBD : TBD	-	-		-		0.100	Jan 2026	-		0.100	0.000	0.100	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603804A / <i>Logistics and Engineer Equipment - Adv Dev</i>						Project (Number/Name) G11 / <i>Adv Elec Energy Con Ad</i>			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Universal Power Gateway (UPG) requirement															
Mobile micro-reactor program	TBD	TBD : Various	-	9.944	Aug 2024	8.300	Aug 2025	-		-		-	0.000	18.244	-
Cyber Tactical Microgrid Standard	TBD	Fibertek Inc; MIT-LL : Herndon, VA; Lexington, MA	-	0.438	Feb 2025	-		-		-		-	0.000	0.438	-
Subtotal			-	10.382		8.300		0.100		-		0.100	0.000	18.782	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mobile micro-reactor program	TBD	TBD : Various	-	1.456	Aug 2024	1.200	Aug 2025	-		-		-	0.000	2.656	-
Subtotal			-	1.456		1.200		-		-		-	0.000	2.656	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.520		10.000		2.777		-		2.777	0.000	28.297	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / Logistics and Engineer Equipment - Adv Dev	Project (Number/Name) G11 / Adv Elec Energy Con Ad	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Lightweight portable power																												
Modeling and development of lightweight portable power																												
Mobile micro-reactor program																												
Planning and Analysis of MMPP technologies and applications																												
Advanced Power Technology for the Universal Power Gateway																												
Technology maturation efforts for UPG																												
Cyber Tactical Microgrid Standard (TMS)																												
TMS Cybersecurity Implementation																												
TMS compliant AMMPS Digital Control System Phase 1																												
Development and implementation of TMS compliant AMMPS DL...																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603804A / <i>Logistics and Engineer Equipment - Adv Dev</i>	Project (Number/Name) G11 / <i>Adv Elec Energy Con Ad</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Lightweight portable power	2	2021	4	2024
Modeling and development of lightweight portable power	2	2021	4	2024
Mobile micro-reactor program	3	2023	4	2024
Planning and Analysis of MMPP technologies and applications	3	2023	4	2025
Advanced Power Technology for the Universal Power Gateway (UPG) requirement	1	2026	4	2029
Technology maturation efforts for UPG	1	2026	4	2030
Cyber Tactical Microgrid Standard (TMS)	1	2025	4	2025
TMS Cybersecurity Implementation	1	2025	4	2025
TMS compliant AMMPS Digital Control System Phase 1	1	2025	2	2026
Development and implementation of TMS compliant AMMPS Digital Control System Phase 1	1	2025	4	2025

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603807A / <i>Medical Systems - Adv Dev</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	7.999	0.582	1.000	-	1.000	-	-	-	-	-	-
808: <i>DoD Drug & Vacc Ad</i>	-	0.404	0.422	0.423	-	0.423	-	-	-	-	-	-
836: <i>Field Medical Systems Advanced Development</i>	-	5.614	0.160	0.577	-	0.577	-	-	-	-	-	-
FF4: <i>Counterdrug, DDR, Sys Development & Demonstration</i>	-	1.981	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) funds development of medical materiel within the early system integration portion of the System Development and Demonstration phase of the acquisition life cycle using 6.4 (Advanced Component Development and Prototype) funding. Program efforts support transition of promising Science and Technology candidate medical technologies (drugs, vaccines, medical devices, diagnostics, and mechanisms for detection and control of disease carrying insects) to larger scale testing in humans for safety and effectiveness. Programs are aligned to meet future force requirements identified within concept documents and organizational structures. This PE also provides funding for Food and Drug Administration (FDA) regulated human clinical trials to gain additional information about safety and effectiveness on the path to licensure for use in humans. These efforts are managed by U.S. Army Medical Materiel Development Activity (USAMMDA) of the U.S. Army Medical Research and Development Command.

The FY 2026 request was reduced by \$0.003 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	1.602	0.582	1.014	-	1.014
Current President's Budget	7.999	0.582	1.000	-	1.000
Total Adjustments	6.397	0.000	-0.014	-	-0.014
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	4.500	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.934	-			
• SBIR/STTR Transfer	-0.037	-			
• Adjustments to Budget Years	-	-	-0.014	-	-0.014

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>		R-1 Program Element (Number/Name) PE 0603807A / <i>Medical Systems - Adv Dev</i>	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>		FY 2024	FY 2025
Project: 836: <i>Field Medical Systems Advanced Development</i>			
Congressional Add: <i>Congressional Add: Program Increase - Arctic Medical Evacuation and Treatment System</i>		2.000	-
Congressional Add: <i>Congressional Add: Program Increase - Wearable Medical Device for TBI Prevention</i>		2.500	-
Congressional Add Subtotals for Project: 836		4.500	-
Project: FF4: <i>Counterdrug, DDR, Sys Development & Demonstration</i>			
Congressional Add: <i>Program Increase - FTDTL system (Forensic Toxicology Drug Testing Laboratory - IMS)</i>		1.981	-
Congressional Add Subtotals for Project: FF4		1.981	-
Congressional Add Totals for all Projects		6.481	-
<u>Change Summary Explanation</u> The variance between the current president's budget and the previous administration's budget is attributed to an increase in congressional allocations for the Arctic Medical Evacuation and Treatment System and the Wearable Medical Device for TBI Prevention. Program Manager for Soldier Medical Devices (PM SMD) has focused efforts on the Arctic Medical Evacuation and Treatment System, collaborating with the Office of Naval Research to develop an advanced mobile solution designed to enable medical transport on tracked vehicles in extreme cold environments. Wearable Medical Device for TBI Prevention is a DHA directive under WRPBH / OPMED. Reprogrammed funds for FTDTL system (Forensic Toxicology Drug Testing Laboratory - IMS) are not associated with PM SMD.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) 808 / DoD Drug & Vacc Ad			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
808: DoD Drug & Vacc Ad	-	0.404	0.422	0.423	-	0.423	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This Project funds development of candidate medical countermeasures for endemic infectious diseases of military relevance. These efforts are in: vaccines, drugs, diagnostic kits/devices. These funds support human clinical effectiveness (capacity to produce a desired size of an effect under ideal or optimal conditions) trials of the drug/vaccine in larger groups that are designed to assess how well the drug/vaccine works and continue safety assessments in a larger group of volunteers. Funding supports both technical evaluations and human clinical testing to assure the safety and effectiveness of medical diagnostic kits and devices. This work, which is performed in military laboratories or civilian pharmaceutical firms, is directed toward the prevention of disease, early diagnosis, and accelerated recovery time once diagnosed to enhance battlefield readiness. All clinical trials are conducted in accordance with United States (U.S.) Food and Drug Administration (FDA) regulations, a mandatory obligation for all military products placed into the hands of medical providers or service members. Product development priorities are determined based upon four major factors: (1) the extent and threat of the disease within the Combatant Commands theater of operations, (2) the clinical severity of the disease, (3) the technical maturity of the proposed solution, and (4) the affordability of the solution (development and production).												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: DoD Drug and Vaccine Advanced Development - Medical Readiness									0.404	0.422	0.423	
Description: Funding is provided for the development of candidate medical countermeasures for military relevant infectious disease focusing on prevention to increase medical readiness. Funding supports both technical evaluations and human clinical testing to assure the safety and effectiveness of drugs, vaccines, medical diagnostic kits and devices												
FY 2025 Plans: Will continue to provide Civilian Manpower support for Medical Field Systems Project Management Office (MFS PMO, formerly known as Warfighter Health, Performance and Evacuation PMO)												
FY 2026 Plans: Continue to provide Civilian Manpower support for Project Manager Soldier Medical Devices (PM SMD, formerly known as Medical Field Systems PMO)												
FY 2025 to FY 2026 Increase/Decrease Statement: Changes in funding adjusted for inflation of Civilian Manpower from FY25 to FY26.												
Accomplishments/Planned Programs Subtotals									0.404	0.422	0.423	
C. Other Program Funding Summary (\$ in Millions)												
N/A												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev	Project (Number/Name) 808 / DoD Drug & Vacc Ad
C. Other Program Funding Summary (\$ in Millions)		
Remarks		
D. Acquisition Strategy		
Test and evaluate in-house and commercially developed products in extensive commercial partner or government-managed clinical trials to gather data required for FDA licensure ensuring government (military) requirements are met with judicious investment.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) 808 / DoD Drug & Vacc Ad					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Product Development Management Services Cost	Various	Not Applicable : Not applicable	34.262	0.404		0.422		0.423		-		0.423	Continuing	Continuing	Continuing
Subtotal			34.262	0.404		0.422		0.423		-		0.423	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			34.262	0.404		0.422		0.423		-		0.423	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

PE 0603807A: *Medical Systems - Adv Dev*
Army

Volume 2a - 262

[illegible]

PE 0603807A / Medical Systems - Adv Dev

808 / DoD Drug & Vacc Ad

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population (millions)	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7
GDP (trillion USD)	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
Life expectancy (years)	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
Urban population (%)	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95
Renewable energy (%)	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
CO2 emissions (Gt)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev	Project (Number/Name) 808 / DoD Drug & Vacc Ad	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Project Manager Soldier Medical Devices (PM SMD) Civilian Manpower support	1	2023	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) 836 / Field Medical Systems Advanced Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
836: Field Medical Systems Advanced Development	-	5.614	0.160	0.577	-	0.577	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This Project funds the demonstration and validation of medical products for enhanced combat casualty care and follow-on care. This Project funds human clinical trials to test the safety and effectiveness of biologics (products derived from living organisms) and devices necessary to meet medical requirements. The Project Manager (PM) also considers factors to reduce the medical logistics footprint through smaller weight, volume, and equipment independence from supporting materials. All clinical trials are conducted in accordance with U.S. FDA regulations. Products from this project will transition to PE 0604807A (Medical Materiel/Medical Biological Defense Equipment - Eng Dev) /Project 832 (Field Medical Systems Engineering Development).												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Field Medical Systems Advanced Development - Medical Readiness									1.114	0.160	0.577	
Description: Funding is provided for engineering and manufacturing development of medical products for diagnostic devices and testing of medical devices for use in the field. This project provides for the advanced product development and prototyping of Army lifesaving medical field systems. Project supports development and testing of medical products and equipment for deployable forces providing future interoperability of systems on the battlefield and situational awareness of Soldier well-being. Project supports enhancements to Soldier battlefield effectiveness, survivability, and sustainment. This project also supports joint medical field systems and prolonged combat casualty care requirements.												
FY 2025 Plans: Division Medical Mobile Shelter (DMMS): Begin evaluating commercial infrastructure equipment and development of DMMS. Blast Overpressure Sensor System (BOSS): develop a sensing capability to collect blast overpressure (BOP) data from soldiers.												
FY 2026 Plans: Mobile Medical Platforms and Shelters (formerly Division Medical Mobile Shelter (DMMS)): Continue development support and analysis of Medical Device component integration into Mobile platforms and shelters. Blast Overpressure Sensor System (BOSS): Progress in developing a sensing capability to collect blast overpressure (BOP) data from soldiers. Monitoring capability that will collect, integrate, store, and transmit BOP exposure data within the Army enterprise and DoD information system databases to provide a longitudinal record of BOP exposures to aide in understanding and tracking potential long-term health consequences of repeated BOP exposure.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603807A / <i>Medical Systems - Adv Dev</i>	Project (Number/Name) 836 / <i>Field Medical Systems Advanced Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Funding increase in FY26 due to advanced component integration of Army Medical platform and shelter development programs.			
Accomplishments/Planned Programs Subtotals		1.114	0.160
		FY 2024	FY 2025
Congressional Add: Congressional Add: Program Increase - Arctic Medical Evacuation and Treatment System		2.000	-
FY 2024 Accomplishments: U.S. Army Medical Research and Development Command transferred the funds to the Washington Headquarters Services who competed this opportunity using the Commercial Technologies for Maintenance Activities contract vehicle to develop an advanced mobile solution to facilitate medical transport on a tracked vehicle in extreme cold environments, in coordination with the Office of Naval Research.			
Congressional Add: Congressional Add: Program Increase - Wearable Medical Device for TBI Prevention		2.500	-
FY 2024 Accomplishments: Protocol development and Institutional Animal Care and Use Committee (IACUC)/ Animal Care and Use Review Office (ACURO) approval for two animal studies evaluating Q-Collar effectiveness (Swine severe penetrating TBI/Ferret blast overpressure TBI); Conducted Q-Collar fit/tolerability assessments; Performed various Q-Collar mechanical bench tests; Q-Collar environmental performance and storage testing; Q-Collar lifecycle durability testing			
Congressional Adds Subtotals		4.500	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Develop in-house or industrial prototypes in government-managed programs to meet military and regulatory requirements for production and fielding.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) 836 / Field Medical Systems Advanced Development					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Product Development Management Services Cost	Various	Not Applicable : Not applicable	50.446	0.737		0.012		0.117		-		0.117	Continuing	Continuing	Continuing
Subtotal			50.446	0.737		0.012		0.117		-		0.117	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Increase - Arctic Medical Evacuation and Treatment System	TBD	TBD : TBD	-	2.000		-		-		-		-	0.000	2.000	-
Program Increase - Wearable Medical Device for TBI Prevention	TBD	RTI International : TBD	-	2.500		-		-		-		-	0.000	2.500	-
Subtotal			-	4.500		-		-		-		-	0.000	4.500	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Health Applications	TBD	TBD : TBD	0.195	-		-		-		-		-	0.000	0.195	-
Mobile Medical Platforms and Shelters	TBD	TBD : TBD	-	-		0.148		0.460		-		0.460	0.000	0.608	-
Subtotal			0.195	-		0.148		0.460		-		0.460	0.000	0.803	N/A
Remarks															
No product/contract costs greater than \$1M individually.															

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) 836 / Field Medical Systems Advanced Development					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Arctic Medical Evacuation and Treatment System	TBD	AKNG : TBD	-	0.377		-		-		-		-	0.000	0.377	-
Subtotal			-	0.377		-		-		-		-	0.000	0.377	N/A
Remarks															
No product/contract costs greater than \$1M individually.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			50.641	5.614		0.160		0.577		-		0.577	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0603807A / Medical Systems - Adv Dev

Project (Number/Name)

836 / *Field Medical Systems Advanced Development*[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev	Project (Number/Name) 836 / Field Medical Systems Advanced Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Medical Health Applications	1	2023	4	2024
Mobile Medical Platforms and Shelters	1	2025	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev				Project (Number/Name) FF4 / Counterdrug, DDR, Sys Development & Demonstration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FF4: Counterdrug, DDR, Sys Development & Demonstration	-	1.981	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
 Supports the Secretary of Defense approved counterdrug advanced development efforts used in a major re-design of the Forensic Toxicology Drug Testing Laboratory (FTDTL) information management system used to test urine samples for the presence of illegal drugs. The Drug Testing Program - Client Collection System (DTP-CSS) is comprised of several variations of a desktop application used to select service members for random drug testing, prepare labels for urine specimen bottles, and print corresponding chain-of-custody documents. This Project will standardize DTP-CSS across all services and migrate it to a Web-based system.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025
Congressional Add: Program Increase - FTDTL system (Forensic Toxicology Drug Testing Laboratory - IMS)	1.981	-
FY 2024 Accomplishments: Development of the FTDTL system (Forensic Toxicology Drug Testing Laboratory - IMS)		
Congressional Adds Subtotals	1.981	-

C. Other Program Funding Summary (\$ in Millions)
 N/A

Remarks

D. Acquisition Strategy
 N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev						Project (Number/Name) FF4 / Counterdrug, DDR, Sys Development & Demonstration			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FTDTL - IMS Modernization	Various	Various : Various	-	1.981		-		-		-		-	0.000	1.981	-
Subtotal			-	1.981		-		-		-		-	0.000	1.981	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.981		-		-		-		-	0.000	1.981	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
2040 / 4					PE 0603807A / Medical Systems - Adv Dev					FF4 / Counterdrug, DDR, Sys Development & Demonstration			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FTDTL-IMS Modernization																												

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FTDTL-IMS Modernization																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603807A / Medical Systems - Adv Dev	Project (Number/Name) FF4 / Counterdrug, DDR, Sys Development & Demonstration

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FTDTL-IMS Modernization	1	2022	4	2022

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	41.551	24.284	41.856	-	41.856	-	-	-	-	-	-
CF2: Integrated Soldier Systems Prototyping (SL CFT)	-	3.554	3.642	3.572	-	3.572	-	-	-	-	-	-
ET8: Personnel Airdrop System Development	-	2.127	0.911	1.936	-	1.936	-	-	-	-	-	-
S53: Clothing And Equipment	-	4.528	5.959	7.849	-	7.849	-	-	-	-	-	-
S54: Small Arms Improvement	-	22.762	7.971	21.044	-	21.044	-	-	-	-	-	-
VS4: Soldier Protective Equipment	-	8.580	5.801	7.455	-	7.455	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

A portion of this funding line is directly aligned to the Soldier Lethality Army Modernization Priority. This Program Element (PE), Soldier Systems - Advanced Development, manages the Soldier as a system to increase combat effectiveness, test and deliver tangible products that save Soldiers lives and improve combat capability. The PE provides funding for evaluating, developing, and testing emerging technologies and critical Soldier support systems to reduce technology risk.

Project CF2: Develop a long-term Soldier/Squad as a System integration platform ICW the Close Combat Integration Enterprise (CCIE) to ensure interoperability as part of the integrated Joint Forces. Verify and develop prototype digital engineering tools that provide Systems Engineering, Configuration Management, and Evaluation in a virtual and physical environment. Using enhancements to the Adaptive Squad Architecture (ASA) digital tools verify development of interface controls documents, and connection points to support the rapid integration of the CCIE programs with all other dismounted Soldier equipment. Prototype capabilities for evaluation and integration include new measurements and methodologies from S&T programs and future requirements. Funding for this program aligns with the Army's priorities in support of Digital Engineering and Transformation and is a Soldier Lethality Cross Functional Team priority.

Project ET8: Personnel Airdrop System improves Low Altitude and High-Altitude personnel parachutes and associated equipment to include canopy improvement based on integration of new technology with the goal of enhancing the insertion capability and safety of the airborne Soldier and increasing the performance, reliability, and durability of personnel airdrop equipment.

Project S53: Funding is used to evaluate and integrate technologies and representative or prototype systems that help expedite Soldier Clothing and Individual Equipment technology transition from the laboratory to operational use. Efforts focus on proving out commonality across as broad a spectrum of users as possible to provide a modular, integrated uniform/clothing system from skin out and head-to-toe. It funds efforts to transition new technologies and domestically available fabrics with Flame Resistant (FR), moisture wicking, insect protection and camouflage technologies, including integration of fabrics appropriate for uniforms and equipment used

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603827A I Soldier Systems - Advanced Development				
in jungle/tropical and arctic environments. New technologies are identified to monitor health and improve Soldier survivability, reduce weight, and improve affordability, mobility and comfort in combat and training/administrative environments. Includes integration and interface on the Soldier system.						
Project S54: Small and medium arm weapon systems include weapons ranging up to 40 millimeter in caliber. Funding is used to support Small Arms Improvement and other domestic and foreign sources of small arms weapon systems to demonstrate, test and evaluate capability near or at planned operational requirements. These efforts focus on improvements designed to enhance lethality, target acquisition and tracking, fire control, usability, training effectiveness and reliability of weapons to include ammunition and counter UAS technologies when developing and/or evaluating standard and non-standard weapons. Focus areas include the maturing of technology through testing and evaluation of sub-system or system prototypes which demonstrates lightweight materials, thermal solutions, passive range finders, observation/situational awareness improvements, human-systems integration, robotic armament capability, non-lethal capability, advanced laser protection for optics, and equipment enhancements. Benefits include continuous improvements to small arms weapon systems, remote weapon systems, fire control equipment, optics, gun barrels, training devices, suppressors, component mounts, weapon mounts, ancillary items and weapon/ammunition interface.						
Project VS4: Supports efforts to evaluate integrated technologies and representative or prototype systems that help expedite Personal Protective Equipment (PPE) technology transition from the laboratory to operational use.						
The FY 2026 request was reduced by \$1.74 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		27.681	24.284	31.528	-	31.528
Current President's Budget		41.551	24.284	41.856	-	41.856
Total Adjustments		13.870	0.000	10.328	-	10.328
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-2.200	-			
• Congressional Rescissions		-	-			
• Congressional Adds		17.000	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		0.001	-			
• SBIR/STTR Transfer		-0.931	-			
• Adjustments to Budget Years		-	-	10.328	-	10.328
Congressional Add Details (\$ in Millions, and Includes General Reductions)					FY 2024	FY 2025
Project: S54: Small Arms Improvement						
Congressional Add: Development of Fully Integrated Sight					5.000	-
Congressional Add: Laser Range Finder					4.000	-

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0603827A I Soldier Systems - Advanced Development	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add: Rifle Integrated Controller		5.000	-
Congressional Add Subtotals for Project: S54		14.000	-
Project: VS4: Soldier Protective Equipment			
Congressional Add: Tactical Hearing Protection Congressional Add		3.000	-
Congressional Add Subtotals for Project: VS4		3.000	-
Congressional Add Totals for all Projects		17.000	-
Change Summary Explanation Increase in FY 2026 funding from the previous PB to the current PB due to Precision Grenadier Systems (PGS) efforts executed from S54 is part of the Army Transformation Initiative.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) CF2 / Integrated Soldier Systems Prototyping (SL CFT)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CF2: Integrated Soldier Systems Prototyping (SL CFT)	-	3.554	3.642	3.572	-	3.572	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Develop a long-term Soldier/Squad as a System integration platform in connection with the Close Combat Integration Enterprise (CCIE) to ensure interoperability as part of the integrated Joint Forces. Verify and develop prototype digital engineering tools that provide Systems Engineering, Configuration Management, and Evaluation in a virtual and physical environment. Using enhancements to the Adaptive Squad Architecture (ASA) digital tools verify development of interface controls documents, and connection points to support the rapid integration of the CCIE programs with all other dismounted Soldier equipment. Prototype capabilities for evaluation and integration include new measurements and methodologies from S&T programs and future requirements. Funding for this program aligns with the Army's priorities in support of Digital Engineering and Transformation and is a Soldier Lethality Cross Functional Team priority.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Integrated Soldier Systems Prototyping									3.419	0.449	-	
Description: Develop and maintain a PEO Soldier Modernization Plan ICW the Soldier Lethality Cross Functional Team and all DEVCOM Centers laying out a roadmap for the Army of 2040 and beyond to execute Multi Domain Operations. Provide ASA implementation capabilities for evaluation and integration. Execute Soldier Integration facility evaluation of new measurements and methodologies from the S&T community, execute system level evaluation environments, and support Soldier system modeling. Funding for this project aligns with the Army's priorities in support of the National Defense Strategy and is a priority of the Soldier Lethality Cross Functional Team.												
FY 2025 Plans:												
Continue to update the synchronized PEO Soldier futures plan and execute prototype integration demonstrations in support of Squad as an Integrated Combat Platform.												
FY 2025 to FY 2026 Increase/Decrease Statement:												
FY 2026 funding decrease due to efforts being combined with Adaptive Squad Architecture Prototyping and Modernization Planning program.												
Title: Adaptive Squad Architecture (ASA)									-	0.995	-	
Description: ASA provides a digital engineering foundation for Soldier Centered Design in a virtual (Army Cloud) environment to provide a common operating picture across the CCIE. The ASA requirement is based on the 2018 Soldier Lethality Initial Capabilities Document which promotes "capturing models in the ASA that identify specific connection points for development,												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) CF2 / <i>Integrated Soldier Systems Prototyping (SL CFT)</i>		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>integration and commonality of new systems that exchange data to provide information to warfighters that augment the speed of decisions with improved accuracy and reliability".</p> <p>ASA provides a starting point for new integration efforts to explore integration gaps and opportunities prior to and as part of the prototyping phase, before a Soldier Touch Point, and throughout the acquisition life cycle.</p> <p>ASA is responsible for the development of the Architecture Assessment Tool (AAT) - The AAT is the central ASA digital engineering tool that provides a Soldier Centered Design context in a virtual environment. AAT provides visualization of individual end items, and physical architecture (Head Body Weapon) of those items baselined by Soldier duty position (Squad Leader Team Leader Grenadier Rifleman Automatic Rifleman etc.) and those items authorized at the Squad Platoon Levels. The Visualization includes aggregated weight, an ability to compare Soldier configurations for analysis, and an ability to organize primary purposes of individual items into capabilities such as Lethality, Protection, Mobility and Mission Command. The AAT Soldier baselines are built from Army fielded (Modified Table of Organization and Equipment) items and they serve as a basis of comparison for OK Analysis data gathering events with operational units and other analysis.</p> <p>FY 2025 Plans: Execute integration, innovation, and synchronization across PEO Soldier and other PEOs to provide Small Units with decisive overmatch resulting from a synchronization of effects in multiple domains.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to efforts being combined with Adaptive Squad Architecture Prototyping and Modernization Planning program.</p>					
<p>Title: Soldier Modernization Plan Development</p> <p>Description: Both a document and set of processes & systems that enable and facilitate an enduring transformative approach to modernizing Soldiers and Small Tactical Unit capabilities over time. Collaboratively created by, with and through the Close Combat Integration Enterprise (CCIE). Project Polaris provides shared understanding across the CCIE and ensures unity of effort, synchronization and prioritization of resources. Produced annually in synchronization with the Planning, Programming, Budgeting, and Executing (PPBE) process, this document is then operationalized and executed through the year.</p> <p>FY 2025 Plans: Execute integration, innovation, and synchronization across PEO Soldier and other PEOs to provide Small Units with "decisive overmatch resulting from a synchronization of effects in multiple domains.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			-	2.025	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) CF2 / Integrated Soldier Systems Prototyping (SL CFT)		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
FY 2026 funding decrease due to efforts being combined with Adaptive Squad Architecture Prototyping and Modernization Planning program.					
Title: CACI SETA Description: Decrease: Category no longer required. Combined with Soldier Modernization Plan Development. FY 2025 Plans: Fund support personnel to conduct mission requirements. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to efforts being combined with Adaptive Squad Architecture Implementation.			-	0.055	-
Title: ASA Test & Eval Description: ASA provides a digital engineering foundation for Soldier Centered Design in a virtual (Army Cloud) environment to provide a common operating picture across the CCIE. The ASA requirement is based on the 2018 Soldier Lethality Initial Capabilities Document which promotes "capturing models in the ASA that identify specific connection points for development, integration and commonality of new systems that exchange data to provide information to warfighters that augment the speed of decisions with improved accuracy and reliability". ASA provides a starting point for new integration efforts to explore integration gaps and opportunities prior to and as part of the prototyping phase, before a Soldier Touch Point, and throughout the acquisition life cycle. FY 2025 Plans: Capture models in the ASA that identify specific connection points for development, integration and commonality of new systems that exchange data to provide information to warfighters that augment the speed of decisions with improved accuracy and reliability. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to efforts being combined with Adaptive Squad Architecture Implementation.			-	0.118	-
Title: Adaptive Squad Architecture Prototyping and Modernization Planning FY 2026 Plans: Continue to update and develop prototype tools for AAT that informs digital engineering and future architectures. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase to develop AAT tools.			-	-	2.159
Title: ASA Implementation			-	-	1.413

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) CF2 / Integrated Soldier Systems Prototyping (SL CFT)				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
Description: ASA provides a digital engineering foundation for Soldier Center Design in a virtual (Army Cloud) environment to provide a modernization across the CCIE for Soldier and Squad systems. The efforts to provide connections to other digital modeling prototypes that include human movement and body characteristics to interact with ASA that include modeling and simulation capabilities.											
FY 2026 Plans: Continue to implement tools for AAT that informs digital engineering and future architectures.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase to support implementation of AAT tools.											
Title: SBIR/STTR Transfer							0.135	-	-		
Description: Funding transferred in accordance with Title 15 USC §638.											
Accomplishments/Planned Programs Subtotals							3.554	3.642	3.572		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• CF2: Integrated Soldier Systems Prototyping (SL CFT)	3.554	3.642	3.572	-	3.572	-	-	-	-	-	-
Remarks											
The reduction in FY 2025 reflects minor reduction to prototyping effort.											
D. Acquisition Strategy											
ASA continue to research and develop new digital engineering tools to incorporate into the AAT. These tools also inform modernization plans like PROJECT POLARIS, to allow the CCIE to forecast interoperable, integrated Squad/Platoon and Company capabilities to 2030 and beyond. ASA continues to improve using in-house engineering and SETA support, improve and develop new prototype models for the AAT. ASA will continue to conduct market research from other industry and Services for tools to improve the AAT.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) CF2 / Integrated Soldier Systems Prototyping (SL CFT)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer			TBD	TBD : TBD	-	0.135		-		-		-	0.000	0.135	-
Subtotal			-	0.135		-		-		-		-	0.000	0.135	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Adaptive Squad Architecture	C/FFP	Various : Various	3.187	0.501	Jan 2024	0.995	Jan 2024	-		-		-	Continuing	Continuing	Continuing
Soldier Modernization Plan Development	Option/CPFF	Natick ACC : Natick MA	0.900	0.639		2.025		-		-		-	0.000	3.564	-
Integrated Soldier Systems Prototyping	C/CPFF	Natick ACC : Natick MA	0.375	0.477		0.449		-		-		-	0.000	1.301	-
Adaptive Squad Architecture Prototyping and modernization planning	C/FFP	Various : Various	-	-		-		2.159		-		2.159	0.000	2.159	-
ASA Implementation	C/FFP	Various : Various	-	-		-		1.413		-		1.413	0.000	1.413	-
Subtotal			4.462	1.617		3.469		3.572		-		3.572	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CACI SETA	TBD	APEO : Fort Belvoir	0.377	0.377		0.055		-		-		-	0.000	0.809	-
Functional Support Agreement (FSA)	TBD	ACC-APG : Aberdeen, MD	0.274	0.274		-		-		-		-	0.000	0.548	-
SHERPA6	MIPR	Soldier Center : Natick, MA 01760	0.285	0.285		-		-		-		-	0.000	0.570	-
Subtotal			0.936	0.936		0.055		-		-		-	0.000	1.927	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) CF2 I Integrated Soldier Systems Prototyping (SL CFT)					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ASA Test & Eval	C/FFP	Various : various	6.450	0.866	Jan 2024	0.118	Jan 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			6.450	0.866		0.118		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			11.848	3.554		3.642		3.572		-		3.572	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

PE 0603827A: Soldier Systems - Advanced Development
Army

Volume 2a - 283

2040 / 4

PE 0603827A / Soldier Systems - Advanced Development

CF2 / Integrated Soldier Systems
Prototyping (SL CFT)

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) CF2 I Integrated Soldier Systems Prototyping (SL CFT)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ASA Implementation	2	2020	4	2029
ASA Prototyping and Modernization planning	1	2023	4	2029

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>				Project (Number/Name) ET8 / <i>Personnel Airdrop System Development</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
ET8: <i>Personnel Airdrop System Development</i>	-	2.127	0.911	1.936	-	1.936	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this project supports Army Modernization priorities. Project ET8, Personnel Airdrop System Development, improves Low Altitude and High-Altitude personnel parachutes and associated equipment to include canopy improvement based on integration of new technology with the goal of enhancing the insertion capability and the safety of the airborne Soldier and increasing the performance, reliability, and durability of personnel airdrop equipment. This project will transition capabilities from our Science and Technology partners to increase performance and safety of Soldier equipment. It will continue to support cross-service initiatives to improve commonality.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Personnel Airdrop System Development	2.127	0.911	1.936
Description: Improve Low Altitude and High Altitude personnel parachutes and ancillary equipment that supports airborne operations to include canopy improvements based on integration of new technology with the goal of enhancing the insertion and safety of the airborne Soldier and increasing the performance, reliability, and durability of personnel airdrop equipment.			
FY 2025 Plans: Continue to evaluate personnel parachute system enhancements and parachutists' ancillary safety equipment.			
FY 2026 Plans: Continue to mature and evaluate personnel parachute system safety enhancements and ancillary components. Enhancements will address both static line low altitude parachute systems and initiation of a new program in support of high-altitude insertion operations.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase supports the development and evaluation of ancillary equipment and parachute system enhancements to address low and high-altitude insertion capability gaps and an increase in parachutists' safety in support of multi-domain operations.			
Accomplishments/Planned Programs Subtotals	2.127	0.911	1.936

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) ET8 / Personnel Airdrop System Development			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• ES9: Advanced Tactical Parachute System	2.675	3.646	3.168	-	3.168	-	-	-	-	-	-
• MA7801: Advanced Tactical Parachute System	39.279	35.216	52.185	-	52.185	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Programs pursue technology maturation and prototype development, culminating in the transition of mature technologies (Technology Readiness Level (TRL) 6-7) to Engineering and Manufacturing Development (EMD).											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) ET8 / Personnel Airdrop System Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Contracts	C/FFP	Various : Various	2.171	0.780		0.250		0.745		-		0.745	2.588	6.534	-
Engineering Support	MIPR	DEVCOM-SC : Natick, MA	0.876	0.240		0.157		0.230		-		0.230	0.827	2.330	-
Subtotal			3.047	1.020		0.407		0.975		-		0.975	3.415	8.864	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Allot	PM SCIE : Belvoir	1.369	0.188		0.100		0.165		-		0.165	0.811	2.633	-
Subtotal			1.369	0.188		0.100		0.165		-		0.165	0.811	2.633	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	MIPR	Various : Various	1.522	0.919		0.404		0.796		-		0.796	0.782	4.423	-
Subtotal			1.522	0.919		0.404		0.796		-		0.796	0.782	4.423	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			5.938	2.127		0.911		1.936		-		1.936	5.008	15.920	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

[illegible]

2040 / 4

R-1 Program Element (Number/Name)	Program Element Description	Program Element Status	Program Element Comments

PE 0603827A / Soldier Systems - Advanced Development

Project (Number/Name)	Start Date	End Date	Duration (Days)	Actual Cost	Budgeted Cost	Variance	Performance Index
101	2023-01-01	2023-01-15	14	10000	10000	0	1.0
102	2023-01-16	2023-01-30	14	12000	12000	0	1.0
103	2023-01-31	2023-02-14	14	11000	11000	0	1.0
104	2023-02-15	2023-02-28	13	13000	13000	0	1.0
105	2023-02-29	2023-03-13	13	14000	14000	0	1.0
106	2023-03-14	2023-03-28	14	15000	15000	0	1.0
107	2023-03-29	2023-04-12	14	16000	16000	0	1.0
108	2023-04-13	2023-04-27	14	17000	17000	0	1.0
109	2023-04-28	2023-05-12	14	18000	18000	0	1.0
110	2023-05-13	2023-05-27	14	19000	19000	0	1.0
111	2023-05-28	2023-06-11	14	20000	20000	0	1.0
112	2023-06-12	2023-06-26	14	21000	21000	0	1.0
113	2023-06-27	2023-07-11	14	22000	22000	0	1.0
114	2023-07-12	2023-07-26	14	23000	23000	0	1.0
115	2023-07-27	2023-08-10	14	24000	24000	0	1.0
116	2023-08-11	2023-08-25	14	25000	25000	0	1.0
117	2023-08-26	2023-09-09	14	26000	26000	0	1.0
118	2023-09-10	2023-09-24	14	27000	27000	0	1.0
119	2023-09-25	2023-10-09	14	28000	28000	0	1.0
120	2023-10-10	2023-10-24	14	29000	29000	0	1.0
121	2023-10-25	2023-11-08	14	30000	30000	0	1.0
122	2023-11-09	2023-11-23	14	31000	31000	0	1.0
123	2023-11-24	2023-12-08	14	32000	32000	0	1.0
124	2023-12-09	2023-12-23	14	33000	33000	0	1.0
125	2023-12-24	2024-01-07	14	34000	34000	0	1.0
126	2024-01-08	2024-01-22	14	35000	35000	0	1.0
127	2024-01-23	2024-02-06	14	36000	36000	0	1.0
128	2024-02-07	2024-02-21	14	37000	37000	0	1.0
129	2024-02-22	2024-03-08	14	38000	38000	0	1.0
130	2024-03-09	2024-03-23	14	39000	39000	0	1.0
131	2024-03-24	2024-04-07	14	40000	40000	0	1.0
132	2024-04-08	2024-04-22	14	41000	41000	0	1.0
133	2024-04-23	2024-05-07	14	42000	42000	0	1.0
134	2024-05-08	2024-05-22	14	43000	43000	0	1.0
135	2024-05-23	2024-06-06	14	44000	44000	0	1.0
136	2024-06-07	2024-06-21	14	45000	45000	0	1.0
137	2024-06-22	2024-07-06	14	46000	46000	0	1.0
138	2024-07-07	2024-07-21	14	47000	47000	0	1.0
139	2024-07-22	2024-08-05	14	48000	48000	0	1.0
140	2024-08-06	2024-08-20	14	49000	49000	0	1.0
141	2024-08-21	2024-09-04	14	50000	50000	0	1.0
142	2024-09-05	2024-09-19	14	51000	51000	0	1.0
143	2024-09-20	2024-10-04	14	520			

ET8 / Personnel Airdrop System Development

[illegible]

Note

Airborne Insertion Enhancements includes the following: Parachutist Oxygen, Enhanced Canopy Flight and Personnel Infiltration and Exfiltration.

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) ET8 / Personnel Airdrop System Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Evaluate Component and Subsystem Technologies	1	2019	4	2023
Low Altitude Static Line Reserve Parachute Automatic Activation Device (SLRPAAD)	3	2020	4	2025
Airborne Insertion Enhancements	1	2024	4	2030
Static Line Parachute System Enhacements	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S53 / Clothing And Equipment			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
S53: Clothing And Equipment	-	4.528	5.959	7.849	-	7.849	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this effort supports Defense Digital Transformation and Army Modernization Priorities to evaluate and integrate technologies and prototypes that expedite Product Manager Soldier Clothing and Individual Equipment (PdM SCIE) technology transitions from the laboratory to operational use. Efforts focus on achieving commonality across all services to provide footwear, uniforms and clothing systems consisting of all layers required to accommodate Warfighters in all environments resulting in integrated systems for the Airborne, Arctic, Arid, Jungle, and Temperate Soldier. PdM SCIE efforts include female Warfighter specific items and sizing. This effort funds the transition of new, improved technologies and domestically available fabrics with capabilities such as Flame Resistance (FR), moisture wicking, vector protection and innovative multi-service efforts to advance camouflage technologies to mitigate multi-spectral signature detection. This effort also funds integration of fabrics, uniforms, load bearing items and Soldier mobility equipment, for use in all environments. PdM SCIE will transition capabilities from our Science and Technology partners to increase performance of Warfighter clothing and equipment and identify emerging technologies to integrate advanced material capabilities into combat uniforms and equipment. Additional advances in existing technologies to improve survivability by focusing on reducing weight and improving performance, mobility and comfort. PdM SCIE will continue to support multi-service commonality and modernization initiatives through technology that enables combat operations and enhances lethality.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Soldier Uniforms and Clothing	3.286	3.450	3.689
Description: Develop and provide superior, integrated and sustainable uniforms and clothing for the Soldier in an evolving global security environment.			
FY 2025 Plans: Supports opportunities for commonality in OCIE across all Services (Army, Navy, Air Force, Marines, Space Force and Coast Guard) and further supports the domestic Clothing and Textile Industrial Base. Supports Army Chief of Staff directives resulting from the Army Uniform Board held twice annually to include upgrades to clothing bag items. Funds the Science and Technology transition of materials, including All Range Tactical Clothing and Arctic Mobility Solutions. Funds laboratory testing on improved base layer fabrics and updated base layer patterns using improved materials and common service sizing. Funds transition of solutions that will reduce spectral and thermal signature to further mitigate detection and improve survivability. Supports laboratory testing of materials for cold weather fuel handling garments. Identify and implement common design features in legacy Clothing.			
FY 2026 Plans: Supports opportunities for commonality and modernization in OCIE across all Services (Army, Navy, Air Force, Marines, Space Force, and Coast Guard) and further supports the domestic Clothing and Textile Industrial Base. Perform benchtop testing of			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) S53 / <i>Clothing And Equipment</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>selected materials to validate performance such as breathability, durability, weight, moisture wicking, and dry time to develop Jungle ensemble. Conduct benchtop testing to characterize material performance of commercially available jungle kit to include: mosquito net, bug repellant, hammock, machete, and snake bite kit. Funds research of various footwear including Alpine boot, Jungle boot, and Extreme Cold Weather Boot. Laboratory and chamber testing of various fabrics, insulations, and finishes to inform the Government specifications for arctic clothing including cold weather fuel handlers gloves. Funds transition of solutions that will reduce spectral and thermal signature to further mitigate detection and improve survivability. Supports Army Chief of Staff directives to upgrade clothing bag items resulting from the Army Uniform Board. Funding is required to test materials and final products to assess the effects of eliminating PFAS chemicals.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to initiation of Jungle ensemble modernization and transitioning into deployment phase of Joint Clothing and Textile Modernization Initiative (JCTMI).</p>			
<p>Title: Individual Equipment</p> <p>Description: Develop and provide superior, integrated and sustainable individual equipment for the Soldier in an evolving global security environment.</p> <p>FY 2025 Plans: Supports opportunities for commonality in OCIE across all Services (Army, Navy, Air Force, Marines and Coast Guard) and further supports the domestic Clothing and Textile Industrial Base. Design, develop, prototype, and transition load carriage and enhanced load management equipment components. Evaluate current load carriage equipment to assess its ability to support the modernization of individual weapons and situational awareness capabilities. Continue evaluation of improved water treatment technology. Supports laboratory testing of commercial Arctic Mobility Solutions.</p> <p>FY 2026 Plans: Supports opportunities for commonality in OCIE across all Services (Army, Navy, Air Force, Marines and Coast Guard) and further supports the domestic Clothing and Textile Industrial Base. Funds testing and evaluation of novel load frame materials focusing on lighter weight design and improved integration. Continue evaluation of improved water treatment technology at the squad and individual level to remove contaminants. Evaluate alternative hydration capability within the Soldier ensemble. Expand individual hydration testing with the incorporation of live agent testing. Funding is required to test materials and final products to assess the effects of eliminating PFAS chemicals.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>		1.242	2.509
			4.160

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S53 / Clothing And Equipment				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 funding increase due to expansion of water treatment program and transitioning into deployment phase of Joint Clothing and Textile Modernization Initiative (JCTMI).												
Accomplishments/Planned Programs Subtotals										4.528	5.959	7.849
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• S60: Clothing & Equipment	3.902	6.218	7.836	-	7.836	-	-	-	-	-	-	
• OMA - CFF-OMA 121018: OMA SCIE 121018	-	-	-	-	-	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
Programs pursue technology maturation and prototype development, culminating in the transition of mature technologies (Technology Readiness Level (TRL) 6-7) to Systems Development and Demonstration. This Project continues to exercise competitively awarded contracts using best value source selection procedures.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S53 / Clothing And Equipment					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	TBD	PM SCIE : Ft. Belvoir, VA	17.537	0.460		0.550		0.764		-		0.764	Continuing	Continuing	Continuing
Subtotal			17.537	0.460		0.550		0.764		-		0.764	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Development Support	MIPR	DEVCOM-SC : Natick, MA	20.749	1.090		1.397		1.996		-		1.996	Continuing	Continuing	Continuing
Development Contracts	C/FFP	Various : Various	39.676	0.953		-		-		-		-	0.000	40.629	-
Subtotal			60.425	2.043		1.397		1.996		-		1.996	Continuing	Continuing	N/A
Remarks															
Previously annotated Development contracts (FY23 and FY24) are being placed in Engineering and Development Support cost element to align with DoD 7000.14-R, Volume 2B, Chapter 5.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Support	MIPR	DEVCOM-SC : Natick, MA	10.545	0.623		1.365		1.636		-		1.636	Continuing	Continuing	Continuing
Subtotal			10.545	0.623		1.365		1.636		-		1.636	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	MIPR	Various : Various	32.300	1.402		2.647		3.453		-		3.453	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development					Project (Number/Name) S53 / Clothing And Equipment				
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			32.300	1.402		2.647		3.453		-		3.453	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			120.807	4.528		5.959		7.849		-		7.849	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development		Project (Number/Name) S53 / Clothing And Equipment	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
UNIFORM CLOTHING																												
Flame Resistant Clothing Improvements																												
Improve Signature and Thermal Management																												
Cold Weather/ Extreme Cold Weather (CW/ECW) Clothing Imp..																												
Cold Weather/ Extreme Cold Weather (CW/ECW) Handwear																												
Clothing Bag upgrades and evaluations																												
Jungle Clothing Improvements																												
INDIVIDUAL EQUIPMENT																												
Novel Materials Development																												
Continuous Improvement of Water Treatment Device																												
Load Carriage Enhancements																												
Arctic Mobility Dismounted																												
Jungle Individual Equipment																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

[illegible]

2040 / 4

[illegible]

PE 0603827A / Soldier Systems - Advanced Development

Project (Number/Name)	Start Date	End Date	Duration (Days)	Project Manager	Status	Notes
101	2023-01-01	2023-01-15	14	John Doe	Completed	Project completed successfully.
102	2023-01-16	2023-02-01	16	Jane Smith	In Progress	Project is currently in progress.
103	2023-02-02	2023-02-15	13	John Doe	Completed	Project completed successfully.
104	2023-02-16	2023-03-01	15	Jane Smith	In Progress	Project is currently in progress.
105	2023-03-02	2023-03-15	13	John Doe	Completed	Project completed successfully.
106	2023-03-16	2023-03-31	15	Jane Smith	In Progress	Project is currently in progress.
107	2023-04-01	2023-04-15	14	John Doe	Completed	Project completed successfully.
108	2023-04-16	2023-05-01	16	Jane Smith	In Progress	Project is currently in progress.
109	2023-05-02	2023-05-15	13	John Doe	Completed	Project completed successfully.
110	2023-05-16	2023-05-31	15	Jane Smith	In Progress	Project is currently in progress.

S53 / Clothing And Equipment

[illegible]

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) S53 / Clothing And Equipment	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
UNIFORM CLOTHING	1	2010	4	2030
Flame Resistant Clothing Improvements	1	2012	4	2025
Improve Signature and Thermal Management	2	2012	4	2030
Cold Weather/ Extreme Cold Weather (CW/ECW) Clothing Improvements	1	2019	3	2026
Cold Weather/ Extreme Cold Weather (CW/ECW) Handwear	1	2020	4	2026
Clothing Bag upgrades and evaluations	1	2026	4	2030
Jungle Clothing Improvements	1	2026	3	2027
INDIVIDUAL EQUIPMENT	1	2016	4	2030
Novel Materials Development	1	2020	4	2030
Continuous Improvement of Water Treatment Device	1	2022	4	2030
Load Carriage Enhancements	1	2020	4	2030
Arctic Mobility Dismounted	2	2024	4	2026
Jungle Individual Equipment	1	2026	2	2028
Joint Clothing and Textile Modernization Initiative	3	2023	4	2029

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>				Project (Number/Name) S54 / <i>Small Arms Improvement</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
S54: <i>Small Arms Improvement</i>	-	22.762	7.971	21.044	-	21.044	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Precision Grenadier Systems (PGS) efforts executed from S54 is part of the Army Transformation Initiative.

A. Mission Description and Budget Item Justification

The Small Arms Improvement Advanced Component Development and Prototypes (ACD&P) program provides funds to mature, demonstrate, test and evaluate emerging technology from Budget Activity (BA) 3 Program Element (PE) 0603607A Joint Service Small Arms Program (JSSAP) Project 627 Defense Advanced Research Projects Agency (DARPA), Department of Energy National Laboratories, Research Development & Engineering Centers (RDECs) and other domestic and foreign sources for small arms weapon systems and technology. Small Arms Improvement supports the Army Modernization priorities through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). Small and medium weapon systems include weapons ranging up to 40 millimeter in caliber, recoilless rifles, remote weapon systems and chain guns. These efforts focus on improving and maturing designs to enhance lethality, target acquisition and tracking, fire control, usability, training effectiveness and reliability improvements to include ammunition and counter unmanned aerial system technologies when developing and/or evaluating standard and non-standard weapon systems. Maturing of technologies through testing and evaluation of sub-system or system prototypes includes lightweight materials, thermal solutions, passive range finders, observation/situational awareness improvements, human-systems integration, robotic armament capability, non-lethal capability, advanced laser protection for optics, and equipment enhancements. Benefits include continuous improvements to small arms weapon systems, remote weapon systems, fire control equipment, optics, gun barrels, training devices, suppressors, component mounts, weapon mounts, ancillary items and weapon/ammunition/fire control interfaces.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: New Weapon Systems	1.000	1.000	16.262
Description: Development of new weapon systems.			
FY 2025 Plans: Assess advanced machine gun technologies, hardware and prototypes developed under previous efforts. Will continue to conduct market research for novel technologies and/or weapon systems that will apply to draft future medium machine gun requirements. Will acquire and develop prototype hardware for test and experimentation against emerging future medium machine gun and precision grenadier system requirements which include counter unmanned aerial system (C-UAS) capabilities. Will continue to conduct evaluations, trade studies, and assessments for new machine gun and grenadier technologies to address capability needs. These technologies may include, but are not limited to, recoil mitigation, alternative lightweight materials, barrel technologies, suppressor technologies, mounting and fire control interfaces.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) S54 / Small Arms Improvement		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
New weapons and enabling technology evaluation and assessments: Continue to perform initial and follow-on evaluations, assessments, and integration of new weapon systems to include various new weapon system platforms. Assess technologies associated with capability to defeat personnel in defilade, personnel in close quarters, and unmanned aerial systems. FY 2026 Plans: Will continue to assess advanced machine gun technologies, hardware and prototypes developed under previous efforts. Will continue to conduct market research for novel technologies and/or weapon systems that will apply to emerging future medium machine gun and precision grenadier system requirements which include counter unmanned aerial system capabilities. Will acquire and develop prototype hardware and continue to conduct evaluations, trade studies, and assessments for new weapon and counter-defilade technologies to address capability needs. These technologies may include, but are not limited to, counter unmanned aerial system, recoil mitigation, thermal development, alternative lightweight materials, barrel technologies, signature mitigation technologies, mounting and fire control interfaces. Will assess technologies with counter unmanned aerial system (CUAS) functionalities and prototypes that provide direct fire capability to defeat defilade and point area targets while reducing collateral damage. Will continue to conduct market research for technologies and/or weapon systems that meet the emerging requirements. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to increased new weapons technologies related to precision grenadier system with counter unmanned aerial system (C-UAS) requirements.				
Title: Small Arms Weapon Systems Enhancements Description: Enhancements and development of small and medium arms weapon systems. FY 2025 Plans: Enhanced system for remote weapon systems and counter-unmanned aerial system weapons will continue to enhance sensor packages to improve target identification range, and software development to integrate counter unmanned aerial system kinetic defeat functionality into the CROWS baseline technology refresh software. New weapons and enabling technology evaluations and assessments: Continue assessing and evaluating selected capabilities and improvements for current and legacy weapon systems. Complete assessment of trivalent chrome barrel to transition a vessel plating system that is capable of multi-barrel plating of ionic trivalent hard chrome on small caliber barrels from 5.56mm up to 0.50 cal with chrome that is higher quality than current industry standards.		4.954	3.615	2.432

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) S54 / <i>Small Arms Improvement</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Continue to conduct assessments of weapon enhancements to inform the requirements community on potential future medium machine gun solutions.			
FY 2026 Plans: Enhanced system for remote weapon systems (RWS) and counter-unmanned aerial system weapons will continue development of enhanced sensor packages to improve target identification range. This program will also continue software development to integrate counter unmanned aerial system kinetic defeat functionality into the CROWS baseline technology refresh software. Conduct assessments of Ultra Lightweight RWS capability needs. CROWS integration work for medium caliber and efforts towards a common controller for remote weapon systems (RWS).			
Next Generation Weapons/Enhancements will continue to support technology development for future next generation weapon variants addressing operational force needs for increased lethality, increased probability of hit, increased soldier acceptance, decreased signature, reduced recoil, reduced soldier aim error, and reduced engagement time. New weapons may be variants or enhancements of the M7 Rifle (NGSW Rifle) and M250 Automatic Rifle, or new weapon platforms to fulfill other roles such as machine guns, sniper rifles, and others.			
New Weapons and Enabling Technology Evaluations and Assessments will continue to assess and evaluate selected capabilities and improvements for all current and legacy weapon systems.			
Will assess technologies associated with capability to defeat personnel in defilade, personnel in close quarters, and unmanned aerial systems. Will continue to conduct market research for technologies and/or weapon systems that meet emerging requirements. Will acquire and develop prototype hardware for testing and conduct evaluations, trade studies, and assessments for counter-defilade technologies to address capability needs.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased to allocate to support efforts related to new weapon systems related to precision grenadier system with counter unmanned aerial system (C-UAS) requirements.			
Title: Combat Optics		0.050	1.400
Description: Improvement of small arms combat optics.			
FY 2025 Plans: Advanced Combat Optics will continue to integrate current and emerging target acquisition, sensing and ballistic calculation component technologies such as, but not limited to rifle optics, binoculars and variable magnification spotting scopes in support of legacy and emerging weapon systems. Will continue to evaluate state of the art advances in optical component technologies for			
			1.400

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) S54 / <i>Small Arms Improvement</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
inclusion in future combat optic products such as lightweight lens technology, lightweight housing material, advanced hazard and threat protection, and others.			
FY 2026 Plans: Advanced Combat Optics will continue to integrate current and emerging target acquisition, sensing and ballistic calculation component technologies such as, but not limited to rifle optics, binoculars and variable magnification spotting scopes in support of legacy and emerging weapon systems. Will continue to evaluate state of the art advances in optical component technologies for inclusion in future combat optic products such as lightweight lens technology, lightweight housing material, advanced hazard and threat protection, and others. The Army is planning to execute a sensor-based weapon sight for machine guns.			
Title: Fire Control Description: Small and medium arms fire control.		2.708	1.906
FY 2025 Plans: Next Generation Weapons/Enhancements will continue to support technology development for future next generation weapon variants addressing operational force needs for increased lethality, increased probability of hit, increased soldier acceptance, decreased signature, reduced recoil, reduced soldier aim error, and reduced engagement time. New weapons may be variants or enhancements of the M7 Rifle and M250 Automatic Rifle, or new weapon platforms to fulfill other roles such as machine guns, sniper rifles, and others. Next Generation Fire Control Technology Enhancements will continue to support technology integration with next generation weapons addressing soldier aim error, engagement time, probability of hit, situational awareness, lethality, and soldier acceptance. Iterative prototyping will be utilized to develop component technologies to support future variants of the Next Generation Squad Weapons. Technology may include enhanced camera based technology, target tracking, automatic target detection, increased networked lethality, reduced signature, increased user acceptance, along with other emerging weapon, ammunition, and fire control technologies that will increase the lethality of the next generation squad weapons. Plan to incentivize and garner interest from industry partners to create market space and develop system solutions to achieve NGSW Fire Control Module-X (NGSW-FC M-X) requirements. Small Arms Fire Control Enhancements: Continued to assess the development and demonstration of an internally integrated optically transparent device for the XM157 Next Generation Squad Weapon Fire Control. Preventing eye and/or sensor damage from emerging laser threats requires rapid and radical advances in fire control applications to operate in peer/near peer battlespace.			0.900

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) S54 / <i>Small Arms Improvement</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Will evaluate state of the art advances in optical component technologies for inclusion in future fire control systems such as lightweight lens technology, lightweight housing materials, munition programming, projectile tracking, advanced hazard and threat protection, and others.</p> <p>FY 2026 Plans:</p> <p>Will continue to support technology development for future next generation weapon variants addressing operational force needs for increased lethality, increased probability of hit, increased soldier acceptance, decreased signature, reduced recoil, reduced soldier aim error, and reduced engagement time. New weapons may be variants or enhancements of the M7 Rifle and M250 Automatic Rifle, or new weapon platforms to fulfill other roles such as machine guns, sniper rifles, and others.</p> <p>Will continue to support technology integration with next generation weapons addressing soldier aim error, engagement time, probability of hit, situational awareness, lethality, and soldier acceptance. Iterative prototyping will be utilized to develop component technologies to support future variants of the Next Generation Squad Weapon. Technology may include enhanced camera-based technology, target tracking, automatic target detection, increased networked lethality, passive ranging technology, reduced signature, increased user acceptance, and other emerging weapon, ammunition, and fire control technologies that will increase the lethality of the next generation weapons. Plan to incentivize and garner interest from industry partners to create market space and develop system solutions to achieve NGSW Fire Control Module-X (NGSW-FC M-X) requirements.</p> <p>Will evaluate state of the art advances in optical component technologies for inclusion in future fire control systems such as lightweight lens technology, lightweight housing materials, munition programming, projectile tracking, advanced hazard and threat protection, and others.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>Funding decreased to allocate to support efforts related to new weapon systems related to precision grenadier system with counter unmanned aerial system (C-UAS) requirements.</p>			
<p>Title: Research and Analysis</p> <p>Description: Research and analysis of small and medium arms.</p> <p>FY 2025 Plans:</p> <p>Will continue research and analysis of new weapons and enabling technologies. Evaluations and assessments will include, but not limited to 360 degree situational awareness, active stabilization, advanced kinetic weapons, low flying drone engagement, and other small arms research to include new technologies in emerging robotic and aerial armaments.</p> <p>FY 2026 Plans:</p>		0.050	0.050

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army								Date: June 2025					
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S54 / Small Arms Improvement					
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2024		FY 2025		FY 2026	
Will continue research and analysis of new weapons and enabling technologies. Evaluations and assessments will include, but not limited to 360 degree situational awareness, active stabilization, advanced kinetic weapons, low flying drone engagement, and other small arms research to include new technologies in emerging robotic and aerial armaments.													
Accomplishments/Planned Programs Subtotals								8.762		7.971		21.044	
								FY 2024		FY 2025			
Congressional Add: Development of Fully Integrated Sight								5.000		-			
FY 2024 Accomplishments: Conducted development of a fully integrated sight. Development included increasing user interface display technologies, system integration, and optimization of day/night sensors into advanced fire control platforms. Test and evaluation included reliability, environmental ruggedization, optical and sensor performance, user acceptance, and characterization of increased engagement capability.													
Congressional Add: Laser Range Finder								4.000		-			
FY 2024 Accomplishments: Conducted development and testing of modular low size, weight, and power, laser range finder for use in dismounted operations. Development included system integration and optimization laser range finder for low size and weight for integration into advanced fire control platforms. Test and Evaluation included reliability, environmental ruggedization, and user acceptance.													
Congressional Add: Rifle Integrated Controller								5.000		-			
FY 2024 Accomplishments: Conducted custom integration of Rifle Accessory Control Unit (RACU) to communicate with weapon mounted enablers. Development included system integration with currently fielded optics, fire controls, and/or aiming devices to provide a common button interface on a dismounted soldiers primary weapon. Test and Evaluation included user acceptance, reliability, environmental ruggedization, and impact on mission effectiveness.													
Congressional Adds Subtotals								14.000		-			
C. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost		
• EW4: Crew Served Weapons Engineering Development	19.643	3.685	3.677	-	3.677	-	-	-	-	-	-		
• FF2: Small Arms Fire Control	16.683	3.350	4.694	-	4.694	-	-	-	-	-	-		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S54 / Small Arms Improvement			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• FM4: Next Generation Squad Weapons	8.552	10.805	4.557	-	4.557	-	-	-	-	-	-
• S63: Individual Weapons Engineering Development	3.419	3.430	1.481	-	1.481	-	-	-	-	-	-
• FL4: Small Caliber Ammo for Next Gen Squad Weapons	26.659	20.955	23.081	-	23.081	-	-	-	-	-	-
• E06002: NEXT GENERATION COMBAT ROUND	161.115	20.020	94.491	-	94.491	-	-	-	-	-	-
• GM1: Future Medium Machine Gun	-	-	-	-	-	-	-	-	-	-	-
Remarks											
In support of Small Arms Initial Capability and Capability Development Requirements, advanced technology of small arms weapon systems is transitioned from Joint Service Small Arms Program (JSSAP), Project 627, Program Element 0603607A, (Budget Activity 3) to Small Arms Improvement, Project S54, Program Element 0603827A, (Budget Activity 4). After the technology is demonstrated and/or validated, the program transitions to Infantry Support Weapons, Program Element 0604601A, (Budget Activity 5) for engineering and manufacturing development.											
D. Acquisition Strategy											
Primary strategy is to study, develop, demonstrate and evaluate emerging technologies that ultimately lead to modernizing, enhancing and/or improving the small arms inventory.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025				
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) S54 / Small Arms Improvement						
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management	Allot	PM Soldier Lethality : Picatinny Arsenal	9.083	0.300	Mar 2024	0.305	Mar 2025	0.632	Mar 2026	-		0.632	Continuing	Continuing	Continuing	
Subtotal			9.083	0.300		0.305		0.632		-		0.632	Continuing	Continuing	N/A	
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Hardware Development and Integration	C/TBD	TBD: Multiple : Multiple	70.631	5.640	Mar 2024	4.841	Mar 2025	17.197	Jul 2026	-		17.197	Continuing	Continuing	Continuing	
Congressional Add: Development of Fully Integrated Sight	TBD	TBD : Maztech, California	-	5.000	Sep 2024	-		-		-		-	0.000	5.000	-	
Congressional Add: Laser Range Finder	TBD	TBD : Maztech, California	-	4.000	Sep 2024	-		-		-		-	0.000	4.000	-	
Congressional Add: Rifle Integrated Controller	TBD	TBD : VA and UT	-	5.000	Sep 2024	-		-		-		-	0.000	5.000	-	
Subtotal			70.631	19.640		4.841		17.197		-		17.197	Continuing	Continuing	N/A	
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Engineering	MIPR	DEVCOM AC : Multiple	35.014	1.450	Mar 2024	1.450	Mar 2025	2.715	Mar 2026	-		2.715	Continuing	Continuing	Continuing	
Subtotal			35.014	1.450		1.450		2.715		-		2.715	Continuing	Continuing	N/A	

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)					Project (Number/Name)				
2040 / 4						PE 0603827A / Soldier Systems - Advanced Development					S54 / Small Arms Improvement				
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Testing	MIPR	Army Test and Evaluation Centers, : Multiple	23.852	1.372	Mar 2024	1.375	Mar 2025	0.500	Mar 2026	-		0.500	Continuing	Continuing	Continuing
Subtotal			23.852	1.372		1.375		0.500		-		0.500	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			138.580	22.762		7.971		21.044		-		21.044	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development								Project (Number/Name) S54 / Small Arms Improvement										
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NEW WEAPON SYSTEMS																												
Advanced Technologies for Machine Gun																												
New Weapons and Enabling Technology Evaluation and Ass																												
SMALL ARMS WEAPON SYSTEMS ENHANCEMENTS																												
Weapon Enhancements for Improved Ammunition																												
Smart Rail System Controller and Remote																												
Power and Data Enabled Rail (PDER)																												
Formerly Power and Data Integration onto Open Architecture Accessory Rails																												
Enhanced System for Remote Weapon Stations & Kinetic Co																												
Small Business Innovative Research																												
New Weapons and Enabling Technology Evaluations and Ass																												
COMBAT OPTICS																												
Advanced Combat Optics																												
FIRE CONTROL																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development								Project (Number/Name) S54 / Small Arms Improvement										
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Small Arms Fire Control Enhancements																												
	Formerly Small Arms Fire Control -Precision/Enhancements																											
Next Generation and Fire Control Technology Enhancements																												
RESEARCH AND ANALYSIS																												
Research and Analysis of Small Arms																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) S54 / Small Arms Improvement	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
NEW WEAPON SYSTEMS	1	2008	4	2030
Advanced Technologies for Machine Gun	1	2022	4	2030
New Weapons and Enabling Technology Evaluation and Assessments	1	2020	4	2030
SMALL ARMS WEAPON SYSTEMS ENHANCEMENTS	1	2008	4	2030
Weapon Enhancements for Improved Ammunition	1	2023	4	2024
Smart Rail System Controller and Remote	1	2021	4	2024
Power and Data Enabled Rail (PDER)	1	2021	4	2024
Enhanced System for Remote Weapon Stations & Kinetic Counter-UAS Weapons	1	2020	4	2030
Small Business Innovative Research	1	2015	4	2030
New Weapons and Enabling Technology Evaluations and Assessments	1	2020	4	2030
COMBAT OPTICS	1	2008	4	2027
Advanced Combat Optics	1	2020	4	2027
FIRE CONTROL	1	2008	4	2030
Small Arms Fire Control Enhancements	1	2017	4	2027
Next Generation and Fire Control Technology Enhancements	1	2019	4	2030
RESEARCH AND ANALYSIS	1	2012	4	2030
Research and Analysis of Small Arms	1	2015	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) VS4 / Soldier Protective Equipment			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
VS4: Soldier Protective Equipment	-	8.580	5.801	7.455	-	7.455	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this project supports the Army Modernization priority. This Project supports efforts to evaluate integrated technologies and representative or prototype systems that help expedite Personal Protective Equipment (PPE) technology transition from the laboratory to operational use. This project will transition capabilities from our Science and Technology partners to increase performance and safety of Soldier protective equipment. This project will continue to support cross-Services initiatives to increase commonality.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Soldier Protective Equipment (SPE)	5.580	5.801	7.455
Description: Effort to increase Warfighter survivability and mobility by optimizing Soldier protection while effectively managing all life cycle aspects of Personal Protective Equipment (PPE).			
FY 2025 Plans: The VS4 project will build on previously developed Technology/Maturation and risk reduction efforts across the PPE portfolio to support SPS requirements. The project will facilitate the exploration and optimization of alternative materials for use against emerging Vital Torso Protection threats. The project will explore other technologies such as higher performing ballistic defeating materials and new construction methods to address weight reduction and emerging threats. This project will facilitate test method refinement and improve surveillance testing capabilities to update lifecycle estimates, refine risk injury criteria, and continue mass reduction.			
The project will evaluate material and processing upgrades to inform stakeholders of new operational capabilities. The project will conduct technical testing on body armor designed to defeat multiple threats with low weight and develop and test ceramic materials for improved hard armor ballistic performance to defeat emerging threats. Head Protection efforts will include testing eye protection and blunt force trauma capabilities transitioning from the Science and Technology community such as anti-scratch coating, active light technology that detects laser threats, and improved blunt impact protection.			
FY 2026 Plans: The VS4 project will continue to build on previously developed technologies and improved materials for Vital Torso Protection (VTP) and Integrated Head Protection (IHPS) to reduce mass and increase protections with test methods and injury criteria links to these methods. The project will complete the testing procedures for Adaptable Testing and Load Assessment System			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603827A / <i>Soldier Systems - Advanced Development</i>	Project (Number/Name) VS4 / <i>Soldier Protective Equipment</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>(ATLAS) Torso and Head. This project will address identified defect limits with the goal of conforming lower performance levels. This lower performance data will be used to analyze optimization for Torso and Head protection. This project will facilitate the development of consistent and repeatable test methods to measure concealability of Personal Protective Equipment (PPE) to include improvements in fitment and explore alternative materials for use against emerging VTP Threats. The project will facilitate test method refinement and improve surveillance testing capabilities to update life cycle estimates, refine risk injury criteria, and continued mass reductions.</p> <p>The project will evaluate current and future material, processing upgrades, and inform stakeholders of new operational capabilities. The project will conduct technical testing on body armor designed to defeat multiple threats with low weight and develop and test materials for improved hard armor ballistic performance to defeat emerging threats. Head Protection efforts will include testing eye protection and blunt force trauma capabilities transitioning from the Science and Technology community such as anti-scratch coating, active light technology that detects laser threats, and improved blunt impact protection.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase supports completing ATLAS testing, developing improved test methods for PPE, and refining surveillance testing. Additionally, it will fund the evaluation of new materials and processing upgrades, as well as improvements in hard armor and head protection. This funding is essential for advancing protective technologies that are transitioning from DEVCOM Soldier Center.</p>			
Accomplishments/Planned Programs Subtotals		5.580	5.801
		FY 2024	FY 2025
Congressional Add: Tactical Hearing Protection Congressional Add		3.000	-
<p>FY 2024 Accomplishments: This effort identified potential solutions providing tactical communications, hearing protection, and auditory situational awareness for soldiers.</p> <p>The end goal after the initial prototypes are manufactured; and test procedures for evaluating those solutions are developed, is an improved hearing protection system integrated with Army ballistic helmets, universal connection points for interoperability where feasible, and working toward a modified commercial solution for production.</p>			
Congressional Adds Subtotals		3.000	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) VS4 / Soldier Protective Equipment			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• VS5: Soldier Protective Equipment	7.853	8.510	7.153	-	7.153	-	-	-	-	-	-
• OMA - 121 - 12101700/	-	-	-	-	-	-	-	-	-	-	-
RJSI: Soldier Modernization											
- Soldier Protection Systems											
Remarks											
D. Acquisition Strategy											
The projects pursue technology transition from science and technology, and prototype development, culminating in the transition of mature technologies (Technology Readiness Levels (TRL) 6-7) to Engineering and Manufacturing Development. This Project continues to exercise competitively awarded contracts using best value source selection procedures where applicable.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development				Project (Number/Name) VS4 / Soldier Protective Equipment					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Allot	PM SSV Various : Various	5.485	1.594		0.750		0.838		-		0.838	Continuing	Continuing	Continuing
Subtotal			5.485	1.594		0.750		0.838		-		0.838	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev/Sys Engineering Spt	MIPR	CCDC-SC : Natick, MA	12.101	1.522		1.324		1.689		-		1.689	Continuing	Continuing	Continuing
Dev/Integ Contracts	TBD	CCDC-SC : Natick, MA	83.096	3.500		1.862		2.398		-		2.398	Continuing	Continuing	Continuing
Subtotal			95.197	5.022		3.186		4.087		-		4.087	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ballistic/Blast/Nonballistic Testing	MIPR	Various : Various	21.774	1.964		1.865		2.530		-		2.530	Continuing	Continuing	Continuing
Subtotal			21.774	1.964		1.865		2.530		-		2.530	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			122.456	8.580		5.801		7.455		-		7.455	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development		Project (Number/Name) VS4 / Soldier Protective Equipment	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SPS Technology Upgrade Insertion																												
VTP Technology Upgrade Insertion																												
TEP Technology Upgrade Insertion																												
Military Protective Eyewear Systems Improvement																												
Helmet Technology Upgrade Insertion																												
Sensory Protection Improvement																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603827A / Soldier Systems - Advanced Development	Project (Number/Name) VS4 / Soldier Protective Equipment	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
SPS Technology Upgrade Insertion	1	2018	4	2030
VTP Technology Upgrade Insertion	1	2021	4	2030
TEP Technology Upgrade Insertion	1	2021	4	2030
Military Protective Eyewear Systems Improvement	1	2023	4	2030
Helmet Technology Upgrade Insertion	1	2021	4	2030
Sensory Protection Improvement	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
---	------------------------

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	PE 0604017A / <i>Robotics Development</i>											
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	2.912	13.039	35.082	-	35.082	-	-	-	-	-	-
FD9: <i>Robotics Systems</i>	-	2.912	13.039	35.082	-	35.082	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

FD9: Robotics Development improves the autonomous robotic systems portfolio by maturing cutting edge emergent commercial technology for transition, creating a virtual test capability to support evaluation, developmental test, system safety testing and operational force-on-force execution for Concept of Operations (CONOP) and Tactics, Techniques and Procedures (TTP) development, development of prototypes and to support infrastructure needs such as cloud-based tools for development and deployment of Autonomy and Artificial Intelligence (AI) Machine Learning (ML) software and tools to support automated testing in a Development, Security and Operations (DEVSECOPS) process. FD9 will also be used in support of developing Milestone Decision activities for emerging Programs.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	3.024	3.039	3.043	-	3.043
Current President's Budget	2.912	13.039	35.082	-	35.082
Total Adjustments	-0.112	10.000	32.039	-	32.039
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.002	-			
• SBIR/STTR Transfer	-0.110	-			
• Adjustments to Budget Years	-	10.000	32.039	-	32.039

Change Summary Explanation

Increase in FY 2026 funding is attributed to the consolidation of the Robotics efforts to increase efficiency as directed in the Army Transformation Initiative.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>				Project (Number/Name) FD9 / <i>Robotics Systems</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FD9: <i>Robotics Systems</i>	-	2.912	13.039	35.082	-	35.082	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Robotics Development funding is to demonstrate new capabilities to meet current and future military needs and to determine integration potential across the Army Ground Robotics portfolio by testing and evaluating a variety of emerging technologies.

Robotics Development (RD) improves robotic and autonomous program acquisition schedules by supporting the development of integrated and synchronized capability documents (e.g. JCIDS, Department Directed, etc.) and by maturing / transitioning technology. Research, Development, Test & Evaluation (RDT&E) funds enable support to capability development of emerging requirements. Activities include collaboration with industry and government, studies, assessments, and document development such as Technology Readiness Levels, Manufacturing Readiness Levels, Analysis of Alternatives / Letter of Sufficiency determinations, draft acquisition documents, and draft contract documents.

RD also supports the Army modernization strategy of the current Ground Robotic fleets and current Army vehicles by investigating technology insertions including, but not limited to condition-based maintenance, vetronics, autonomous operations and other ground robotics technologies.

FY 2026 Base RDTE funds in the amount of \$35.082 million will continue to demonstrate and explore technologies that support the Army's Transformation Initiative published in 2025. Funding will also support expansion of the virtual test and evaluation capabilities for autonomous software and electronic warfare.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Emerging Robotics Systems	2.912	3.039	-
Description: Validation and verification of incremental system software capability upgrades for emerging robotic requirements through M&S Software-in-the-loop (SITL) and Hardware-in-the-loop (HITL) allowing for transition into Program of Record.			
FY 2025 Plans: FY 2025 plans continue efforts from FY 2024 to fund Modeling and Simulation (M&S) to support the development and test of autonomous systems. Funding addresses Manned/Unmanned Teams capabilities including Live/Virtual testing to reduce the number of needed physical assets and to increase safety on the test range/course. Funding will also be used to evaluate and mature Artificial Intelligence and Machine Learning (AI/ML) algorithms for potential use in future robotic programs. Funding supports systems engineering activities for emerging programs.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>	Project (Number/Name) FD9 / <i>Robotics Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Decrease in funding from FY 2025 to FY 2026 is due to further definition to capabilities in the Army Transformation Initiative. Requirements are captured in Advanced Ground Robotics Systems Development and Advanced Ground Robotics Software/Autonomy Development.					
Title: Autonomy Formation			-	10.000	15.110
FY 2025 Plans: Autonomy Formation accelerates the fielding of robotic formations in order to leverage machines to offload risk and provide Soldiers with additional information for decision making for Armored and Infantry Formations. Autonomous formations will include ground and air systems and enablers to aid in the human decision-making process to find, fix and engage enemy targets. Rapid Capabilities and Critical Technologies Office (RCCTO) Autonomy Formations prototype development supports existing and future robotic capabilities by mitigating risk associated with enabling capabilities such as the common architecture, communications and network capabilities and mitigation of safety risks hindering operational employment. In addition to ground platforms, autonomous formations will be integrated with UAS, enablers, and a variety of payloads from existing capability sets or developed and transitioned to future robotic and autonomous capability portfolios.					
FY 2026 Plans: Funding realigned: Autonomy Formations funding from Rapid Capabilities and Critical Technology Office (RCCTO) PE: 0605054/FI3 to Robotics Systems, PE: 0604017A/FD9 This funding continues the development and integration for Armored and Infantry Formations. Autonomy is designed to enhance Soldiers' decision-making capabilities by leveraging machines to provide additional information and reduce cognitive load. This is achieved through the integration of ground robotic systems, key enablers, Unmanned Aerial Systems (UAS), and a variety of payloads. This funding supports issuance of critical technologies for Soldier Touchpoints and experiments through software productization, payload integration, training package finalization, and other related tasks. These activities are essential to mitigate risks associated with enabling capabilities such as common architecture, communications and network capabilities, and safety risks that may hinder operational employment.					
Increment 1 (Security and Reconnaissance) success in delivering reconnaissance capabilities will inform the suppression capabilities being developed, ensuring program continuity, extensibility and scalability.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 Increase: \$15.110M increase from realigning funding from Rapid Capabilities and Critical Technology Office (RCCTO) PE: 0605054/FI3 to Robotics Systems, PE: 0604017A/FD9					
Title: Advanced Ground Robotics Systems Development			-	-	11.706

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>	Project (Number/Name) FD9 / <i>Robotics Systems</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: Procurement of Commercial Off-The-Shelf (COTS) or Government Off-The-Shelf (GOTS) hardware solutions to support emerging requirements and emerging technology for evaluation.</p> <p>FY 2026 Plans: FY 2026 RDTE funding will procure hardware to enhance the mobility, survivability, signature management, supportability, reliability and maintainability, and SWAP-C (size, weight, power, and cost) of Ground Robotics. Hardware solutions include payloads and integration onto current Robotic platforms.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase in funding from FY 2025 to FY 2026 is due to the Army Transformation Initiative streamlining systems in the Robotics portfolio.</p>			
<p>Title: Advanced Ground Robotics Software/ Autonomy Development</p> <p>Description: Establish infrastructure to support cloud-based tools for development and deployment of AI/ML software, tools to support automated testing of Autonomy Software. Funding supports validation and verification of incremental system software capability upgrades for emerging robotic requirements through M&S Software-in-the-loop (SITL) and Hardware-in-the-loop (HITL) allowing for transition into Program of Record.</p> <p>FY 2026 Plans: FY 2026 RDTE funding will be used to partner with industry and create standardized software for the next generation of autonomous systems. Goals for FY 2026 are to reduce operator workload by developing software that lessens the cognitive demands on users controlling robots and Modular Mission Payloads (MMPs). Funding will also improve command and control with a focus on how information is shared and integrated.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase in funding from FY 2025 to FY 2026 is due to the Army Transformation Initiative streamlining systems in the Robotics portfolio.</p>		-	-
		8.266	
Accomplishments/Planned Programs Subtotals		2.912	13.039
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Robotics Development (RD) is designed to facilitate the transition of robotics and autonomous systems technology to capability set solutions. It informs the acquisition process early in the development cycle allowing key stakeholders the ability to make integration decisions and affordability trades while writing requirements.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>	Project (Number/Name) FD9 / <i>Robotics Systems</i>
<p>Efforts include Capabilities Document input, capturing technical and test data, close analysis of activities that feed cost estimates, provide test support, develop Modeling and Simulation (M&S) capabilities, and develop a Software Integration Lab (SIL). Efforts will support Rapid Prototyping to inform emerging requirements and other Army systems. A "buy/lease, try and inform" methodology may be used to evaluate Government Off the Shelf (GOTS), Commercial Off the Shelf (COTS), and Non-Developmental Item (NDI) robotics products that have the potential to enhance Soldier combat effectiveness. Actual operational user feedback and evaluation results obtained will inform emerging capabilities and requirements documents in support of a return on investment to support future Army decision making.</p> <p>The Army will build and test prototype systems for safety release, Soldier use, and further technology maturation. Funds will be used to rapidly mature demonstrated capabilities and to create training and maintenance documentation for insertion into capability sets.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>				Project (Number/Name) FD9 / <i>Robotics Systems</i>					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RCCTO Management Services	Various	Various : Various	-	-		-		1.141	Nov 2025	-		1.141	0.000	1.141	-
Project Management of Modeling and Simulation	TBD	Various : Various	-	-		-		0.300	Nov 2025	-		0.300	0.000	0.300	-
Subtotal			-	-		-		1.441		-		1.441	0.000	1.441	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Integration Lab / Modeling & Simulation	MIPR	Multiple : Various	1.266	0.300		0.300	Dec 2024	-		-		-	0.000	1.866	-
Virtual Autonomous Navigation Environment (VANE) Development Support	MIPR	Army Corp of Engineer (ERDC) : Vicksburg, Mississippi	0.462	0.200	Sep 2024	0.080	Jan 2025	-		-		-	0.000	0.742	-
Accreditation Support Plan and Validation	MIPR	Data Analysis Center (DEVCOM) : Aberdeen Proving Grounds, MD	0.519	0.147	Jun 2024	0.200	Feb 2025	-		-		-	0.000	0.866	-
Future small robot payloads	MIPR	Software Engineering Center (GVSC) : Warren, MI	0.406	0.262	Sep 2024	0.367	Mar 2025	-		-		-	0.000	1.035	-
Continuous Autonomy Simulation Test Lab Environment Automated Testing Development	MIPR	Software Engineering Center (GVSC) : Warren, MI	0.246	-		0.576	Mar 2025	-		-		-	0.000	0.822	-
Automated Testing of Manned/Unmanned Teaming Ops Development	MIPR	Software Engineering Center (GVSC) : Warren, MI	-	0.235	Dec 2024	-		-		-		-	0.000	0.235	-
Vender Intergration to Association of Science and Tech Centers (ASTC)	MIPR	Army Test and Evaluation Command (ATEC) :	-	0.124		-		-		-		-	0.000	0.124	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>				Project (Number/Name) FD9 / <i>Robotics Systems</i>					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Aberdeen Proving Ground, Maryland													
Autonomy Formations Product Development	TBD	Various : Various	-	-		-		8.613	Apr 2026	-		8.613	0.000	8.613	-
Sandia Labs Fog Chamber	TBD	Sandia Labs : Albuquerque, New Mexico	-	-		0.089		-		-		-	0.000	0.089	-
Advanced Ground Robotics Systems Development	TBD	TBD : TBD	-	-		-		6.701	Nov 2025	-		6.701	0.000	6.701	-
Advanced Ground Robotics Software/ Autonomy Development	TBD	TBD : TBD	-	-		-		8.829	Nov 2025	-		8.829	0.000	8.829	-
Subtotal			2.899	1.268		1.612		24.143		-		24.143	0.000	29.922	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support / Historical Efforts	MIPR	Various : Multiple locations	13.631	1.644	Oct 2023	1.427	Oct 2024	0.985	Oct 2025	-		0.985	0.000	17.687	-
Autonomy Formations Support	TBD	Various : Various	-	-		10.000		5.062	May 2026	-		5.062	0.000	15.062	-
Subtotal			13.631	1.644		11.427		6.047		-		6.047	0.000	32.749	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Autonomy Formations Test & Evaluation	TBD	Various : Various	-	-		-		0.302	Mar 2026	-		0.302	0.000	0.302	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604017A / Robotics Development				Project (Number/Name) FD9 / Robotics Systems					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Ground Robotics Systems Development	MIPR	TBD : TBD	-	-		-		2.565	Apr 2026	-		2.565	0.000	2.565	-
Advanced Ground Robotics Software/ Autonomy Development	TBD	TBD : TBD	-	-		-		0.584	Mar 2026	-		0.584	0.000	0.584	-
Subtotal			-	-		-		3.451		-		3.451	0.000	3.451	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			16.530	2.912		13.039		35.082		-		35.082	0.000	67.563	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army															Date: June 2025				
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604017A / Robotics Development					Project (Number/Name) FD9 / Robotics Systems				

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Robotics Development																												
CASTLE / VANE Accreditation Support Plan and Validation																												
VANE Development Support																												
CASTLE Immersive Simulation Support																												
CASTLE Automated Testing Development																												
Automated Testing of Manned/Unmanned Teaming Ops Development																												
Autonomy Formations Increment 1																												
Autonomy Formations Increment 1 Prototype / Build / Subc...																												
Autonomy Formations Increment 1 Testing																												
Autonomy Formations Increment 1 Delivery																												
Acquire and Evaluate Emerging Technologies																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604017A / <i>Robotics Development</i>	Project (Number/Name) FD9 / <i>Robotics Systems</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Robotics Development	1	2025	4	2030
CASTLE / VANE Accreditation Support Plan and Validation	1	2025	4	2025
VANE Development Support	1	2025	4	2025
CASTLE Immersive Simulation Support	1	2025	4	2025
CASTLE Automated Testing Development	1	2025	4	2025
Automated Testing of Manned/Unmanned Teaming Ops Development	1	2025	4	2025
Autonomy Formations Increment 1	1	2025	1	2029
Autonomy Formations Increment 1 Prototype / Build / Subcomponent Test	1	2025	2	2027
Autonomy Formations Increment 1 Testing	2	2027	2	2028
Autonomy Formations Increment 1 Delivery	2	2027	1	2029
Acquire and Evaluate Emerging Technologies	1	2026	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army **Date:** June 2025

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Missile (EMAM)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	109.752	83.516	178.137	-	178.137	-	-	-	-	-	-
B1A: Joint Laser Weapon System - Army (JLWS-A)*	-	-	-	-	-	0.000	-	-	-	-	-	-
BU9: IFPC High Energy Laser	-	58.993	19.485	16.416	-	16.416	-	-	-	-	-	-
CO6: IFPC High Power Microwave (HPM)	-	50.759	34.031	11.773	-	11.773	-	-	-	-	-	-
DJ5: Multi-Domain Artillery Cannon System (MDACS)	-	-	30.000	149.948	-	149.948	-	-	-	-	-	-

*This project's R-2a exhibit has been suppressed due to funding not beginning until after FY 2026

A. Mission Description and Budget Item Justification

These funding lines are directly aligned to the Army Air and Missile Defense Modernization Priority. Work in this PE, the Expanded Mission Area Missile (EMAM) program, supports the Integrated Air and Missile Defense (IAMD) architecture and provides Directed Energy Integrated Fires Protection Capability (DE-IFPC) systems to defeat Cruise Missiles (CM); single and swarming Unmanned Aircraft System (UAS); Rocket, Artillery, and Mortar (RAM) threats; Fixed Wing (FW); and Rotary Wing (RW) manned aircraft. This EMAM program element is made up of Joint Laser Weapon System - Army (JLWS-A), DE-IFPC, which is an Air Defense capability consisting of the High Energy Laser (IFPC-HEL) and the High Power Microwave (IFPC-HPM), as well as the Multi-Domain Artillery Cannon System (MDACS).

Project B1A: JLWS is a partnered Army-Navy High Energy Laser (HEL) effort that will provide an Air Defense capability against cruise missile threats.

Project BU9: IFPC-HEL will provide a ground-based weapon system designed to acquire, track, engage, and defeat the CM, UAS, RAM, FW and RW threats. The IFPC-HEL requirement consists of a standard military prime mover, high energy laser subsystem, power and thermal subsystem, and a beam control subsystem integrated with battle management command, control and communication (BMC3) software. IFPC-HEL provides much needed protection against adversarial threat systems capable of targeting U.S. and Allied forward operating bases and other critical assets. IFPC-HEL will inform Joint Laser Weapon System (JLWS), which begins in FY 2026 and represents the next step in the evolution of counter-cruise missile laser weapons.

Project CO6: IFPC-HPM will provide a ground-based weapon system designed to acquire, track, engage, and defeat single and swarming UAS. The IFPC-HPM requirement consists of a HPM effector, that is interoperable with BMC3 software. IFPC-HPM provides much needed protection against adversarial single and swarming UAS.

Project DJ5: MDACS will provide a cannon based Air and Missile Defense (AMD) system to complement and integrate with existing AMD systems in the IAMD architecture enabling cost-effective and flexible options to defend fixed and semi-fixed sites against attack by CM, UAS, and advanced threats and provides a capability with a high rate of fire and a deep magazine to defeat threats in raid scenarios.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604019A I Expanded Mission Area Missile (EMAM)				
The FY 2026 request for Expanded Mission Area Missile (EMAM) includes \$178,137 thousand of discretionary and \$99,000 thousand of mandatory (reconciliation) for a total of \$277,137 thousand. The mandatory (reconciliation) funds support Multi-Domain Artillery Cannon System (MDACS) \$48,000 thousand initial contract award, long lead hardware purchase and industrial base activation; and Joint Laser Weapon System (JLWS) \$51,000 thousand initial contract award, risk reduction technology transfer and program management in support of DoD;s overarching Golden Dome for America strategy. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		97.018	102.589	278.773	-	278.773
Current President's Budget		109.752	83.516	178.137	-	178.137
Total Adjustments		12.734	-19.073	-100.636	-	-100.636
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-24.624	-79.073			
• Congressional Rescissions		-	-			
• Congressional Adds		40.000	30.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		0.001	-			
• SBIR/STTR Transfer		-2.643	-			
• Adjustments to Budget Years		-	30.000	-100.636	-	-100.636
Congressional Add Details (\$ in Millions, and Includes General Reductions)					FY 2024	FY 2025
Project: CO6: IFPC High Power Microwave (HPM)						
Congressional Add: IFPC- HPM					40.000	-
Congressional Add: counter-unmanned aerial system swarm technology acceleration					-	30.000
Congressional Add Subtotals for Project: CO6					40.000	30.000
Congressional Add Totals for all Projects					40.000	30.000
Change Summary Explanation						
Decrease in FY 2026 funding from the previous PB to the current PB due to contract cost reductions in the Multi-domain Artillery Cannon System (MDACS) and Integrated Fires Protection Capability IFPC) programs.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) BU9 / IFPC High Energy Laser			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BU9: IFPC High Energy Laser	-	58.993	19.485	16.416	-	16.416	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

The Directed Energy Integrated Fires Protection Capability (DE-IFPC) High Energy Laser (HEL) is an Air Defense capability consisting of an IFPC-HEL prototype with residual combat capability at the IFPC Battery Level in support of Multi-Domain Operations (MDO). IFPC-HEL will provide the Army prototype weapon system for defense of fixed and semi-fixed sites from Cruise Missiles (CM); Unmanned Aircraft Systems (UAS); Rocket, Artillery, and Mortar (RAM); Fixed Wing (FW); and Rotary Wing (RW) threats. This project will deliver an operationally effective rapid prototype capability in the near term. IFPC-HEL funds an improved mechanism to effectively confront emerging threats and advance the United States' military dominance in accordance with the National Defense Strategy. Efforts include development, acquisition, test and evaluation, assessment, maturation, and potential future transition of the prototype technology to an acquisition program.

This PE supports transitioning the High Energy Laser Tactical Vehicle Demonstration S&T effort to manufacturing a combat ready rapid prototype system for delivery in FY 2026 and potential future transition to Program of Record.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: IFPC-High Energy Laser	58.993	19.485	16.416
Description: This effort will provide planning, prototype manufacturing, and testing for the IFPC-HEL prototype with residual combat capability to support the IFPC mission. The IFPC-HEL is a modularized laser weapon system that can be integrated onto a standard military prime mover to defend fixed and semi-fixed sites from CM, UAS, RAM, FW and RW threats delivered with residual combat capability in FY 2026 as part of the IFPC Battery in support of MDO. IFPC-HEL builds on the technology maturation and demonstration from PE 0602150A (Air and Missile Defense Technology) / Project AC9 (High Energy Laser Tactical Vehicle Demonstrator Technology) and PE 0603466A (Air and Missile Defense Advanced Technology) / Project AD1 (High Energy Laser Tactical Vehicle Demo Advanced Technology).			
FY 2025 Plans: Complete prototype fabrication, lab acceptance and Continuous Soldier Integration.			
FY 2026 Plans: FY 2026 funds will support final prototype test and integration and assessment for delivery in FY 2026 and begin CONUS/ OCONUS Contractor Logistic Support (CLS).			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / <i>Expanded Mission Area Missile (EMAM)</i>	Project (Number/Name) BU9 / <i>IFPC High Energy Laser</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 funding decrease due to progression from hardware purchase, systems integration, testing and delivery to CLS and potential future transition to a Program of Record.			
Accomplishments/Planned Programs Subtotals		58.993	19.485
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The IFPC-HEL prototype weapon system will be delivered with residual combat capability in FY 2026 as part of the IFPC Battery in support of Multi-Domain Operations (MDO). Continuous soldier integration will be conducted to provide feedback in support of Army requirements generation/soldier centered design, prototype maturation, fielding, and future capability development. Performance characteristics measured in test, evaluation and assessment will inform future acquisition activities and a potential future transition to a Program of Record with PEO Missiles and Space.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) BU9 / IFPC High Energy Laser					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFPC-HEL Program Management Support	Various	Various : Various	6.177	7.509	Dec 2023	5.911	Dec 2024	6.341	Dec 2025	-		6.341	Continuing	Continuing	-
IFPC-HEL Facilities, IT/ Supplies, Travel, Training, Shipping	Various	Various : Various	-	0.360		0.410		0.360	Nov 2025	-		0.360	Continuing	Continuing	-
Subtotal			6.177	7.869		6.321		6.701		-		6.701	Continuing	Continuing	N/A
Remarks															
These costs include both government and contractor support.															
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFPC-HEL Systems, Development: Integrated Fires Protection Capability High Energy Laser (IFPC- HEL)	C/CPFF	Lockheed Martin : Huntsville, AL	164.804	45.961	Nov 2023	4.890	Jun 2025	-		-		-	0.000	215.655	-
IFPC-HEL GFE	Various	Various : Various	-	1.224		0.015		-		-		-	0.000	1.239	-
IFPC-HEL Software Development	MIPR	Various : Various	-	0.032	Nov 2023	0.405	Nov 2024	-		-		-	0.000	0.437	-
Subtotal			164.804	47.217		5.310		-		-		-	0.000	217.331	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFPC-HEL Contractor Logistics Support (CLS)	C/CPFF	Lockheed Martin : Huntsville, AL	-	-		-		6.239	Mar 2026	-		6.239	Continuing	Continuing	-
Subtotal			-	-		-		6.239		-		6.239	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Missile (EMAM)						Project (Number/Name) BU9 / IFPC High Energy Laser			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFPC-HEL Test and Evaluation	Various	Various : Various	2.435	3.907		7.854		3.476		-		3.476	Continuing	Continuing	-
Subtotal			2.435	3.907		7.854		3.476		-		3.476	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			173.416	58.993		19.485		16.416		-		16.416	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)		Project (Number/Name) BU9 / IFPC High Energy Laser	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
IFPC-HEL Prototype Fabrication																												
IIFPC-HEL Continuous Soldier Integration																												
IFPC-HEL Lab Acceptance Testing																												
IFPC-HEL Final Integration Testing																												
IFPC-HEL Acceptance Testing																												
IFPC-HEL Prototype Delivery																												
IFPC-HEL Mobility & Transportability Testing																												
IFPC-HEL Capability Demonstration with Soldiers																												
IFPC-HEL Contractor Logistics Support																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)	Project (Number/Name) BU9 / IFPC High Energy Laser	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
IFPC-HEL Prototype Fabrication	4	2023	4	2025
IIFPC-HEL Continuous Soldier Integration	4	2025	4	2025
IFPC-HEL Lab Acceptance Testing	4	2025	4	2025
IFPC-HEL Final Integration Testing	4	2025	2	2026
IFPC-HEL Acceptance Testing	2	2026	2	2026
IFPC-HEL Prototype Delivery	2	2026	2	2026
IFPC-HEL Mobility & Transportability Testing	2	2026	3	2026
IFPC-HEL Capability Demonstration with Soldiers	4	2026	4	2026
IFPC-HEL Contractor Logistics Support	2	2026	2	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) CO6 / IFPC High Power Microwave (HPM)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CO6: IFPC High Power Microwave (HPM)	-	50.759	34.031	11.773	-	11.773	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

The Directed Energy Integrated Fires Protection Capability (DE-IFPC) High Power Microwave (HPM) is an Air Defense capability consisting of the IFPC-HPM prototype with residual combat capability at the IFPC Battery Level in support of Multi-Domain Operations (MDO). The IFPC-HPM program will provide the Army with HPM prototype weapon systems for the short-range defense of fixed and semi-fixed sites from a single Unmanned Aircraft System (UAS) and swarms. This project will deliver an operationally effective rapid prototype capability in the near term. IFPC-HPM funds an improved mechanism to effectively confront emerging threats and advance the United States' military dominance in accordance with the National Defense Strategy. Efforts include development, acquisition, test and evaluation, assessment, maturation, and future transition of prototype technologies to an acquisition program.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: IFPC-High Power Microwave	10.759	4.031	11.773
Description: This effort will provide development, planning, prototype manufacturing, and testing of four (4) Generation 1 and up to two (2) Generation 2 IFPC-HPM rapid prototypes with residual combat capability to support the IFPC mission. The IFPC-HPM is a weapon system that can be transported by common brigade combat team equipment to defend fixed and semi-fixed sites against Group 1-2 UAS swarms. IFPC-HPM is common with other Services and the Joint Counter-UAS Office (JCO) HPM effectors for countering UAS. IFPC-HPM leverages previous HPM technology demonstrations and facilitates continued operational assessment.			
FY 2025 Plans: Will support issuance of the residual combat capability to a unit, new threat target software updates, and Contractor Logistics Support (CLS) which facilitates continued operational assessment and a potential future transition to an acquisition program.			
FY 2026 Plans: FY 2026 funds will support evaluation, demonstration and assessment for employed systems; to include the addition of up to two (2) Generation 2 systems; continue CONUS/OCONUS CLS; and prepare for a potential transition of prototype technologies to an acquisition program.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / <i>Expanded Mission Area Mi ssile (EMAM)</i>	Project (Number/Name) CO6 / <i>IFPC High Power Microwave (HPM)</i>	
B. Accomplishments/Planned Programs (\$ in Millions) FY 2026 funding increase due to progression from systems integration and delivery to CONUS/OCONUS CLS, program management and future acquisition activities.		FY 2024	FY 2025
		FY 2026	
Accomplishments/Planned Programs Subtotals		10.759	4.031
		11.773	
		FY 2024	FY 2025
Congressional Add: IFPC- HPM FY 2024 Accomplishments: This effort utilizes lessons learned to improve the Integrated Fires Protection Capability High Power Microwave (IFPC-HPM) system's lethality by implementing hardware and software enhancements and conduct associated testing necessary for acceptance. Additionally, funding will be used to provide CONUS/OCONUS Contractor Logistics Support (CLS) for prototypes 1 through 4.		40.000	-
Congressional Add: counter-unmanned aerial system swarm technology acceleration FY 2025 Plans: FY 2025 efforts utilize lessons learned to develop the Generation 2 IFPC-HPM system for enhanced lethality and to conduct associated testing necessary for government acceptance. Additionally, funding will be used for continued program support and operational assessments.		-	30.000
Congressional Adds Subtotals		40.000	30.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy IFPC-HPM will utilize streamlined acquisition methods, processes and techniques to rapidly prototype the capability. The RCCTO awarded a Prototype Other Transaction Agreement (pOTA) which delivered four (4) Generation 1 prototype systems in FY 2024 and will deliver up to two (2) Generation 2 HPM rapid prototypes to soldiers in FY 2026. Continuous soldier integration events will be conducted to provide feedback in support of Army requirements generation, prototype maturation, fielding residual combat capability to a unit of action, and potential future capability development.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) CO6 / IFPC High Power Microwave (HPM)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Various	Various : Various	4.169	1.681	Dec 2023	2.035	Dec 2024	4.374	Dec 2025	-		4.374	0.000	12.259	-
Facilities, IT/Supplies, Travel, Training, Shipping	TBD	Various : Various	-	0.991		1.971		0.551	Nov 2025	-		0.551	0.000	3.513	-
Program Increase: Program Management Support	Various	Various : Various	-	0.124		-		-		-		-	0.000	0.124	-
Subtotal			4.169	2.796		4.006		4.925		-		4.925	0.000	15.896	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Fires Protection Capability High Power Microwave (IFPC-HPM)	C/FFP	Epirus : Los Angeles, CA	51.816	4.503	Dec 2023	-		-		-		-	0.000	56.319	-
Program Increase: IFPC- HPM Gen2 Prototype	SS/FFP	Epirus : Los Angeles, CA	-	20.337	May 2025	28.000	May 2025	-		-		-	0.000	48.337	-
Software Development	MIPR	Various : Various	-	0.400	May 2024	-		-		-		-	0.000	0.400	-
GFE	Various	Various : Various	-	0.050		0.025		-		-		-	0.000	0.075	-
Program Increase: IFPC- HPM Prototype	C/FFP	Epirus : Los Angeles, CA	-	10.106	Sep 2024	-		-		-		-	0.000	10.106	-
Subtotal			51.816	35.396		28.025		-		-		-	0.000	115.237	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Logistics Support (CLS)	SS/CPFF	Epirus : Los Angeles, CA	-	-		-		4.330	Jun 2026	-		4.330	7.774	12.104	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Missile (EMAM)						Project (Number/Name) CO6 / IFPC High Power Microwave (HPM)			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Increase: CONUS/OCONUS Contractor Logistics Support (CLS)	C/FFP	Epirus : Los Angeles, CA	-	5.061	Mar 2025	-		-		-		-	0.000	5.061	-
Program Increase: Spares	C/FFP	Epirus : Los Angeles, CA	-	2.427	Oct 2024	-		-		-		-	0.000	2.427	-
IFPC-HPM Gen2 NET	SS/FFP	Epirus : Los Angeles, CA	-	-		-		0.225	Mar 2026	-		0.225	0.000	0.225	-
Subtotal			-	7.488		-		4.555		-		4.555	7.774	19.817	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	MIPR	Various : Various	0.700	2.831	Dec 2023	-		2.293	Jan 2026	-		2.293	1.000	6.824	-
Program Increase: Test Support	Various	Various : Various	-	1.696		2.000	Dec 2025	-		-		-	0.000	3.696	-
Targets	MIPR	Various : Various	-	0.302		-		-		-		-	0.000	0.302	-
Program Increase: Targets	Various	Various : Various	-	0.250		-		-		-		-	0.000	0.250	-
Subtotal			0.700	5.079		2.000		2.293		-		2.293	1.000	11.072	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			56.685	50.759		34.031		11.773		-		11.773	8.774	162.022	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Missile (EMAM)		Project (Number/Name) CO6 / IFPC High Power Microwave (HPM)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
IFPC-HPM Unit 1 Prototype Delivery	1																											
IFPC-HPM Unit 2 Prototype Delivery	2																											
IFPC-HPM Unit 3 Prototype Delivery		3																										
IFPC-HPM Unit 4 Prototype Delivery		4																										
IFPC-HPM GEN2 Prototype Fabrication																												
IFPC-HPM GEN2 Delivery																												
IFPC-HPM GEN2 Acceptance Test																												
IFPC-HPM GEN2 Developmental Test																												
IFPC-HPM Contractor Logistic Support (CONUS/OCONUS)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Missile (EMAM)	Project (Number/Name) CO6 / IFPC High Power Microwave (HPM)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
IFPC-HPM Contract Award	1	2023	1	2023
IFPC-HPM Unit 1 Prototype Delivery	1	2024	1	2024
IFPC-HPM Unit 2 Prototype Delivery	1	2024	1	2024
IFPC-HPM Unit 3 Prototype Delivery	2	2024	2	2024
IFPC-HPM Unit 4 Prototype Delivery	2	2024	2	2024
IFPC-HPM GEN2 Prototype Fabrication	3	2025	1	2026
IFPC-HPM GEN2 Delivery	1	2026	1	2026
IFPC-HPM GEN2 Acceptance Test	1	2026	1	2026
IFPC-HPM GEN2 Developmental Test	2	2026	3	2026
IFPC-HPM Contractor Logistic Support (CONUS/OCONUS)	3	2024	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) DJ5 / Multi-Domain Artillery Cannon System (MDACS)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DJ5: Multi-Domain Artillery Cannon System (MDACS)	-	-	30.000	149.948	-	149.948	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Multi-Domain Artillery Cannon System (MDACS) is within the Expanded Mission Area Missile (EMAM) program in FY 2026.

A. Mission Description and Budget Item Justification

The Multi-Domain Artillery Cannon System (MDACS) mission is to defend Joint Force fixed and semi-fixed locations against attack by a broad spectrum of Unmanned Aerial Systems (UASs), Cruise Missiles (CMs), Fixed Wing (FW), Rotary Wing (RW), and other advanced air and missile threats and to complement existing air and missile defenses by operating in integrated or stand-alone operational scenarios. Additionally, MDACS may provide a future surface-to-surface long-range precision fires capability. As a potential component of Golden Dome of America, the Army will consider static deployment as part of the design.

MDACS is a rapid prototype and Integrated Air and Missile Defense (IAMD) Battle Command System (IBCS) integrated system consisting of a Multi-Domain Artillery Cannon (MDAC), Multi-Function Precision Radar (MFPR), Multi-Domain Battle Manager (MDBM), Hypervelocity Projectiles (HVP), and ammunition handling vehicles.

MDACS will build onto the Army Integrated Air and Missile Defense (AIAMD) open systems architecture allowing seamless sensor and shooter connectivity for a layered defense with a mission command structure integrated into the IAMD Battle Command System (IBCS). MDACS will increase battlefield flexibility and raid capacity, resulting in increased AMD effectiveness and efficiency and reduced attrition of advanced interceptor missiles in the Army's inventory.

The Army will leverage current Office of the Secretary of Defense (OSD) Strategic Capabilities Office (SCO) investments in the Hypervelocity Gun Weapon System (HGWS) to develop an Army design tailored to address Army requirements and assess MDACS at a Battery level in FY 2030. The prototype will inform an enduring capability requirement.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2024	FY 2025	FY 2026
Title: Multi Domain Artillery Cannon System (MDACS)	-	30.000	149.948
Description: This effort will leverage SCO investments in HGWS but develop an Army design tailored to address Army requirement, manufacture the prototypes, integrated and test the System of Systems, and conduct an Operational Assessment (OA) of the Battery formation NLT FY30 providing a residual combat capability. . . The MDACS prototype Battery delivered to the Army post-Operational Assessment consists of up to:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / <i>Expanded Mission Area Missile (EMAM)</i>	Project (Number/Name) DJ5 / <i>Multi-Domain Artillery Cannon System (MDACS)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>1) 8 Multi-Domain Artillery Cannons (MDAC) - 155 mm / 58 caliber automated cannon systems mounted onto a wheeled tactical vehicle</p> <p>2) 4 Multifunction Precision Radar (MFPR) - High precision multifunctioning radar mounted onto a wheeled tactical vehicle</p> <p>3) 2 Multi-Domain Battle Manager (MDBM) -Fire control and Command & Control (C2) center mounted onto a wheeled tactical vehicle</p> <p>4) 144 HVPs - radar guided, cannon-fire projectiles</p> <p>5) 8 ammunition handling vehicles</p> <p>.</p> <p>FY 2025 Plans: Establish a program office, initiate program management functions, initiate system design and development, purchase long lead items, and commence prototype fabrication.</p> <p>FY 2026 Plans: Gaps resulting from the SCO Hypervelocity Gun Weapon System (HGWS) effort include the current design does not meet all necessary functional performance requirements (SCO's or Army's), including systems engineering, cybersecurity, electronic protection, reliability, or survivability. The current HGWS prime items have no established or validated allocated requirements, are not integrated on tactical mobility platforms, and will be delivered with ICDs that are not fully implemented (defined only). This effort will continue prototype development by re-baselining and finalizing designs through technical reviews, including component qualification; purchasing the remaining prototype material, to include tactical vehicles for each subsystem, purchasing or fabricating the testing consumables necessary for cannon and projectile development and safety testing, initiating developmental and safety test planning, and initiating hardware and software integration and testing; and completing qualification of all prime items. Additionally, continue Integrated Battle Command System (IBCS) integration, test and verify subsystem software and performance against threats through the use of Hardware-in-the-Loop (HWIL) and Modeling and Simulations (M&S), and further planning efforts for New Equipment Training (NET), Developmental Test and Evaluation (DT&E) and the Operational Assessment (OA).</p> <p>FY 2025 Accomplishments: A program office was established, program management functions were initiated, and system design and development efforts were initiated. Market research to support Other Transaction Authority for Prototyping (OTAP) contracts for the Multi-Domain Artillery Cannon/Hypervelocity Projectile (MDAC/HVP) and Multi-Function Precision Radar (MFPR) was completed and the program office began developing the contract packages.</p> <p>.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			
		FY 2026	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / <i>Expanded Mission Area Missile (EMAM)</i>	Project (Number/Name) DJ5 / <i>Multi-Domain Artillery Cannon System (MDACS)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>FY 2026 significant funding increase due to start of program, Army-specific requirements/design re-baselining for systems engineering, cybersecurity, electronic protection, reliability, and survivability, and vendors purchasing the remaining prototype material for up to 8 155 mm/58 caliber automated cannon systems, up to 4 radar systems, to include up to 12 tactical vehicles needed to complete the MDAC and MFPR systems, over 200 HVPs for testing and leave behind, and the remaining hardware for the 2 MDBMs and all tactical Army communication systems for each system. The Army must conduct significant S&T-level development to the delivered HGWS subsystems to overcome the lack of technical maturity following the sudden end of the SCO's effort. Additionally, vendors will begin purchasing or fabricating over a thousand HVP simulators and "slugs" for testing, over a thousand MDAC-unique propellant charges and casings for testing, and other cannon and projectile testing consumables, vendors ramping up MDAC, HVP, MFPR, and MDBM prototype fabrication and integration upon completion of design reviews, vendors initiating developmental and safety testing, and vendors purchasing the material for and making necessary modifications to the Strategic Capability Office (SCO) investments in the HGWS turned over to the Army in FY26, to included conducting component and prime qualification. Furthermore, USG-led efforts will continue for IBCS integration and the development of and verification of radar and MDBM software, initiation of performance and threat modeling at the Hardware-in-the-Loop (HWIL), the continuation of program management activities such as planning efforts for New Equipment Training (NET), Developmental Test and Evaluation (DT&E) and the Operational Assessment (OA).</p> <p>.</p>			
Accomplishments/Planned Programs Subtotals		-	30.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
N/A			
D. Acquisition Strategy			
<p>The program is pursuing two separate Middle Tier of Acquisition for Rapid Prototyping (MTA-RP) pathways with alignment to potential transition Program Executive Offices (PEO): One for the MDACs and HVPs under a single Other Transaction Authority for Prototyping (OTAP) aligned for transition to Joint Program Executive Office Armaments & Ammunition (JPEO A&A) and the other for the MFPRs and MDBMs aligned for transition to Program Executive Office for Missiles and Space (PEO MS). The MFPRs will be procured under a single OTAP while the MDBMs are government-developed systems and software. The ammunition handling vehicles are government furnished equipment from existing inventory.</p> <p>As of June 2025, the program office is proactively pursuing a sole source OTAP with BAE Systems for the MDAC and HVPs and a competitive OTAP for the MFPR, with the intent to award contracts only upon Congressional appropriation. BAE Systems will serve as the Systems of System Lead Integrator. The MDACS requirement</p>			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)	Project (Number/Name) DJ5 / Multi-Domain Artillery Cannon System (MDACS)
<p>document, an Abbreviated Capability Development Document (A-CDD) is in staffing with the Army Requirements Oversight Council (AROC) with pending approval estimated in September 2025. Upon approval of the A-CDD, both MTA-RPs will be initiated and contracts awarded (assuming Congressional appropriations are received).</p> <p>Throughout the duration of the RCCTO MDACS effort, Contractor Logistics Support (CLS) will be provided to maintain and sustain MDACS, ensuring the system remains operational and effective throughout the effort Period of Performance (PoP). Upon formal transition of the RCCTO program to PEO MS and JPEO A&A, each PEO will provide product support for and manage sustainment of their MDACS subsystem components, maximizing remote logistics where possible to maintain and modernize subsystems to improve efficiency and combat readiness.</p>		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)				Project (Number/Name) DJ5 / Multi-Domain Artillery Cannon System (MDACS)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	TBD	Various : Various	-	-		4.315		18.829		-		18.829	Continuing	Continuing	Continuing
Subtotal			-	-		4.315		18.829		-		18.829	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Multi-Domain Artillery Cannon System (MDACS) and Hypervelocity Projectile OTAp / C	C/TBD	TBD : TBD	-	-		25.435		68.980		-		68.980	Continuing	Continuing	Continuing
Multifunction Precision Radar (MFPR) OTAp / C	C/TBD	TBD : TBD	-	-		-		24.473		-		24.473	Continuing	Continuing	Continuing
Other Government Activities (OGA)	C/TBD	TBD : TBD	-	-		0.250		33.366		-		33.366	Continuing	Continuing	Continuing
Subtotal			-	-		25.685		126.819		-		126.819	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation Support	TBD	Various : Various	-	-		-		4.300		-		4.300	Continuing	Continuing	Continuing
Subtotal			-	-		-		4.300		-		4.300	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		30.000		149.948		-		149.948	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604019A / Expanded Mission Area Mi ssile (EMAM)		Project (Number/Name) DJ5 / Multi-Domain Artillery Cannon System (MDACS)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MDACS Contracts																												
MDAC and HVP Request for Proposal																												
MDAC and HVP Contract Award																												
MFPR Request for Proposal																												
MFPR Contract Award																												
Systems Development																												
Developmental Test and Evaluation																												
Safety Test and Evaluation																												
Hardware Delivery and System of Systems Integration																												
New Equipment Training																												
Operational Assessment																												
Contractor Logistics Support																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604019A / <i>Expanded Mission Area Missile (EMAM)</i>	Project (Number/Name) DJ5 / <i>Multi-Domain Artillery Cannon System (MDACS)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MDACS Contracts	4	2025	2	2026
MDAC and HVP Request for Proposal	4	2025	4	2025
MDAC and HVP Contract Award	4	2025	4	2025
MFPR Request for Proposal	1	2026	2	2026
MFPR Contract Award	2	2026	2	2026
Systems Development	1	2026	4	2029
Developmental Test and Evaluation	2	2027	3	2029
Safety Test and Evaluation	4	2027	4	2029
Hardware Delivery and System of Systems Integration	1	2028	4	2029
New Equipment Training	1	2030	1	2030
Operational Assessment	2	2030	2	2030
Contractor Logistics Support	1	2030	2	2030