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

June 2025



Army

Justification Book Volume 4b of 4

Research, Development, Test & Evaluation, Army

Budget Activity 7

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Army • Budget Estimates FY 2026 • RDT&E Program

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**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.

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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><i>Budget Activity</i></u>	<u><i>OSDPE / Project</i></u>	<u><i>Project Title</i></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.

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program							
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	-	13.937	14.188	14.639	-	14.639	-	-	-	-	-	-
093: Multi-Launch Rocket System (MLRS)	-	9.859	9.947	7.751	-	7.751	-	-	-	-	-	-
DX8: HIMARS Product Improvement Program	-	4.078	4.241	6.888	-	6.888	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Program element 0603778A supports development and testing of the Army's rocket launcher fleet, including the M270A1 and M270A2 Multiple Launch Rocket System (MLRS) launcher and the M142 High Mobility Artillery Rocket System (M142 HIMARS) launcher. MLRS and M142 HIMARS launchers support the Army's Long Range Precision Fires modernization effort. Updated launchers are required to fire current and future munitions such as the Precision Strike Missile (PrSM) and Extended Range (ER) Guided Multiple Launch Rocket System (GMLRS). Funding from both Projects 093 and DX8 contributes to common efforts between both launcher platforms such as Assured Positioning, Navigation and Timing (APNT) integration and rocket launcher software development effort by the US Army Combat Capabilities Development Command (DEVCOM). Supports the Army's goal to develop common solutions applicable to both MLRS and M142 HIMARS launchers. HIMARS and MLRS are part of the Army Transformation Initiative.

This funding line is a key enabler of the Army Modernization Priorities in support of the Multiple Launch Rocket System (MLRS) and the M142 High Mobility Artillery Rocket System (M142 HIMARS) programs. The MLRS and M142 HIMARS programs are components of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries.

Funding from both Projects 093 and DX8 contributes to common efforts between both launcher platforms such as Anti-Jam (AJ) integration, Assured Positioning, Navigation and Timing (APNT) integration and rocket launcher software. The Next Generation APNT Receiver development will replace the M-Code receiver with an upgraded receiver that addresses the evolving threat environment. Potential advancements include efforts such as: Alternative Navigation (ALTNAV), timing holdover, Network Assisted Assured (NA2), Other Signals of Opportunity, Advanced Anti-Jam, or Beamforming. Supports the Army's goal to develop common solutions applicable to both MLRS and M142 HIMARS launchers.

Project 093. The M270A2 Multiple Launch Rocket System (MLRS) launcher is a full-spectrum, combat-proven, all-weather, 24/7 lethal and responsive, precision strike weapon system. MLRS launchers support the Army's Long Range Precision Fires modernization effort. MLRS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. MLRS is a tracked, indirect fire, rocket/missile launcher capable of firing two pods of precision rockets/missiles from the current Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) including the Guided Multiple Launch Rocket System (GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM), and future MFOM to include the Extended Range GMLRS (ER-GMLRS). MLRS launchers support Integrated Fires and Multi-Domain Operations. Funds software development, training updates, Assured Positioning, Navigation and Timing (APNT) technology implementation, integration of satellite communications, integration of evolving cybersecurity requirements, and nonrecurring engineering for

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0603778A I MLRS Product Improvement Program				
the MLRS launcher. Funds development related to maintaining capability associated with the current and evolving threat. Funds non-recurring engineering for system hardware and software modernization to the MLRS chassis, launcher loader module, and fire control system. MLRS is part of the Army Transformation Initiative.						
Project DX8. The M142 High Mobility Artillery Rocket System (M142 HIMARS) launcher is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system. M142 HIMARS launchers support the Army's Long Range Precision Fires modernization effort. M142 HIMARS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. M142 HIMARS is a C-130 or C-17 transportable, wheeled, indirect fire, rocket/missile launcher capable of firing one pod of precision rockets/missiles from the current Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) including the Guided MLRS (GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM), and future MFOM to include the Extended Range GMLRS (ER-GMLRS). M142 HIMARS launchers support Integrated Fires and Multi-Domain Operations. Funds software development, training updates, Assured Positioning, Navigation and Timing (APNT) technology implementation, integration of satellite communications, integration of evolving cybersecurity requirements, and nonrecurring engineering for the M142 HIMARS launcher. Funds development related to maintaining capability associated with the current and evolving threat. HIMARS is part of the Army Transformation Initiative.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		14.465	14.188	9.356	-	9.356
Current President's Budget		13.937	14.188	14.639	-	14.639
Total Adjustments		-0.528	0.000	5.283	-	5.283
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.528	-			
• Adjustments to Budget Years		-	-	5.283	-	5.283
Change Summary Explanation						
Increase of \$0.453 million from FY2025 to FY 2026 funds integration and testing of the M-Code receiver capability. This capability enables MLRS and HIMARS launchers to operate effectively in contested and/or GPS-denied environments and achieves compliance with National Defense Authorization Act for Fiscal Year 2016 (Public Law 111-383, Section 913) which mandates M-code.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program				Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)			
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
093: Multi-Launch Rocket System (MLRS)	-	9.859	9.947	7.751	-	7.751	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 093. The M270A2 Multiple Launch Rocket System (MLRS) launcher is a full-spectrum, combat-proven, all-weather, 24/7 lethal and responsive, precision strike weapon system. MLRS launchers support the Army's Long Range Precision Fires modernization effort. MLRS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. MLRS is a tracked, indirect fire, rocket/missile launcher capable of firing two pods of precision rockets/missiles from the current Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) including the Guided Multiple Launch Rocket System (GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM), and future MFOM to include the Extended Range GMLRS (ER-GMLRS). MLRS launchers support Integrated Fires and Multi-Domain Operations. Funds software development, training updates, Assured Positioning, Navigation and Timing (APNT) technology implementation, integration of satellite communications, integration of evolving cybersecurity requirements, and nonrecurring engineering for the MLRS launcher. Funds development related to maintaining capability associated with the current and evolving threat. Funds non-recurring engineering for system hardware and software modernization to the MLRS chassis, launcher loader module, and fire control system. MLRS is part of the Army Transformation Initiative.

Funding for Project 093 contributes to common efforts such as Assured Positioning, Navigation and Timing (APNT) integration and rocket launcher software development. The Next Generation APNT Receiver effort will replace the Increment 1 M-code receiver. Next Generation APNT Receiver development will replace the obsolete Increment 1 receiver with an Increment 2 receiver as well as address the evolving threat environment. Potential advancements such as: Alternative Navigation (ALTNAV), timing holdover, Network Assisted Assured (NA2), Other Signals of Opportunity, Advanced Anti-Jam, or Beamforming. Supports the Army's goal to develop common solutions applicable to both M270A2 MLRS and M142 HIMARS launchers.

Justification:

FY2026 Base funding in the amount of \$7.751 million for Project 093 completes the integration of M-Code into the rocket launcher allowing MLRS to effectively operate in near-peer and peer-threat environments, integration of Anti-Jam (AJ) capabilities, and integration of satellite communications. Continues tactical launcher software development, qualification, and materiel release. These efforts support the fire control system (FCS) electronic obsolescence mitigation hardware upgrade required to operate the launcher and field additional launchers. Initiates Next Generation APNT Receiver development which will replace the M-code receiver with an upgraded receiver that addresses the evolving threat environment.

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

	FY 2024	FY 2025	FY 2026
Title: MLRS Product Improvement Program	9.859	9.578	7.751
Description: Description: The MLRS Product Improvement Program provides the preservation of platform viability and readiness to accept technology insertion as capability enhancements are developed and to mitigate electronic obsolescence. Support			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program		Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
efforts include: obsolescence mitigation and enhancements for the M993 carrier, fire control system, launcher loader module and enhanced command and control; development and updating the fire control system software to keep pace with changes to the munitions; and performing Command, Control, Communications, Computers and Intelligence (C4I), interoperability and Information Assurance compliance certification and network interoperability testing. Perform technical assessments and concept studies for the following: electronic obsolescence mitigation, Assured Positioning, Navigation and Timing (APNT), crew protection, automotive and hardware/software enhancements, improving operational timelines and risk reduction.					
FY 2025 Plans: Continue tactical launcher software development to incorporate updates from Functional Qualification Test (FQT) and Post System Integration Test (SIT) qualification to support the fire control system (FCS). Integrate and test the improved Assured Positioning, Navigation and Timing (APNT) capabilities and integration of satellite communications, to include M-Code and Anti-Jam (AJ) capabilities. Update software to integrate evolving cybersecurity requirements.					
FY 2026 Plans: Completes the integration of the Increment 1 M-Code Receiver. Continues the tactical launcher software development to incorporate updates from Functional Qualification Test (FQT) and Post System Integration Test (SIT) qualification to support the fire control system (FCS), integrates and tests the improved Assured Positioning, Navigation and Timing (APNT) capabilities and satellite communications; including M-Code and Anti-Jam (AJ) capabilities. Updates software to integrate evolving cybersecurity requirements. Develop, integrate, and test rocket launcher solutions, including test planning to support test events. Initiates Increment 2, Next Generation APNT Receiver development which will replace the obsolete Increment 1 M-code receiver. Also initiates the design of the receiver electronics for the Increment 2 M-code application specific integrated circuit (ASIC) developed by Space Force. The design, testing, and qualification of the ASIC receiver is expected to take approximately four years followed by integration testing and qualification at the system level. The Increment 2 APNT Receiver effort will replace the NavStrike M receiver due to obsolescence. The Increment 2 APNT Receiver addresses the evolving threat environment. Potential advancements include efforts such as: Alternative Navigation (ALTNAV), timing holdover, Network Assisted Assured (NA2), Other Signals of Opportunity, Advanced Anti-Jam, and Beamforming.					
FY 2025 to FY 2026 Increase/Decrease Statement: Decreased funding due to planned life cycle of the program.					
Title: SBIR/STTR Transfer			-	0.369	-
Description: Funding transferred in accordance with Title 15 USC §638.					
FY 2025 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program				Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
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										9.859	9.947	7.751
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	
• C67500: MLRS Mods	168.198	185.839	243.470	-	243.470	-	-	-	-	-	-	
Remarks												
C67500 is Budget Line-Item Number (BLIN) 26 funded in the Missiles Procurement Army appropriation.												
D. Acquisition Strategy												
The MLRS Product Improvement Program performs development efforts required to address emerging requirements. Emerging requirements include, but are not limited to, updates to address emerging threats to the launcher organic software, reacting to system changes driven by policy and emerging requirements, and maintaining architectural compatibility with other Army ground-based systems reducing sustainability costs. Update software and hardware for communications and munitions to maintain compatibility and operational viability against near-peer adversaries. The MLRS program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program				Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)					
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	-	-		0.369		-		-		-	0.000	0.369	-
Subtotal			-	-		0.369		-		-		-	0.000	0.369	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
Organic Software Development	MIPR	CCDC AvMC : Redstone Arsenal, AL	25.619	4.279	Nov 2023	4.297	Nov 2024	4.255	Nov 2025	-		4.255	Continuing	Continuing	Continuing
Assured Positioning, Navigation and Timing (APNT) Integration	SS/CPFF	LMMFC : Grand Prairie, TX	7.302	5.175	Nov 2023	4.678	Nov 2024	0.310	Apr 2026	-		0.310	0.000	17.465	-
Next Gen APNT Receiver Development	SS/CPFF	BAE : Cedar Rapids, IA	-	-		-		2.663	Apr 2026	-		2.663	Continuing	Continuing	Continuing
Subtotal			32.921	9.454		8.975		7.228		-		7.228	Continuing	Continuing	N/A
Remarks															
Organic (government developed, maintained, and owned) software development includes additional research and development related to fire control system obsolescence.															
Assured Positioning, Navigation and Timing (APNT) includes activities such as Global Positioning System (GPS) Anti-Jam, Anti-Spoofing capabilities, and integration of satellite communications.															
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	Ft Cavazos, TX, ATEC, APG, MD, WSMR, RTC, : RSA: Various	2.188	0.405	Nov 2023	0.603	Nov 2024	0.523	Apr 2026	-		0.523	Continuing	Continuing	Continuing
Subtotal			2.188	0.405		0.603		0.523		-		0.523	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025					
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program						Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)					
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		
Remarks																	
Test support includes software qualification for the fire control system as well as the qualification and testing of the Assured Positioning, Navigation and Timing (APNT) solution.																	
			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			35.109	9.859		9.947		7.751		-		7.751	Continuing	Continuing	N/A		
Remarks																	
Acronyms: APNT: Assured Positioning, Navigation and Timing ATEC - US Army Test and Evaluation Command; AvMC: Aviation and Missile Center; APG MD - Aberdeen Proving Ground, Maryland; DEVCOM: Combat Capabilities Development Command; RTC RSA - Redstone Test Center, Redstone Arsenal; STORM - Strategic and Operational Rockets and Missiles WSMR - White Sands Missile Range;																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program	Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)	

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
Software Development & Support																												
Software Development																												
APNT DIGAR/PNA-M Hardware Integration																												
APNT DIGAR/PNA-M Integration																												
APNT DIGAR/PNA-M Hardware EDT Testing/Analysis																												
APNT DIGAR/PNA-M Hardware Test/Analysis																												
APNT DIGAR Production Cut-In																												
APNT DIGAR Production Cut-In																												
Next Gen APNT Receiver Development																												
Next Gen APNT Receiver Development																												
Next Gen Receiver Requirements Development																												
Next Gen Receiver Requirements Development																												
Receive USAF Increment 2 M-Code ASIC																												
Receive USAF Increment 2 M-Code ASIC																												
Receiver Increment 2 M-Code Design Addressing APNT Evolving Threat																												
Receiver Increment 2 M-Code Design Addressing APNT Evolving Threat																												
Subcomponent Qualification and Testing																												
Subcomponent Qualification and Testing																												
System Integration, Qualification, and Testing																												
System Integration, Qualification, and Testing																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program	Project (Number/Name) 093 / Multi-Launch Rocket System (MLRS)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Development & Support	1	2018	4	2030
APNT DIGAR/PNA-M Hardware Integration	3	2023	2	2025
APNT DIGAR/PNA-M Hardware EDT Testing/Analysis	4	2024	2	2026
APNT DIGAR Production Cut-In	3	2026	3	2026
Next Gen APNT Receiver Development	1	2026	4	2030
Next Gen Receiver Requirements Development	1	2026	4	2026
Receive USAF Increment 2 M-Code ASIC	1	2027	1	2027
Receiver Increment 2 M-Code Design Addressing APNT Evolving Threat	4	2026	2	2029
Subcomponent Qualification and Testing	4	2028	1	2030
System Integration, Qualification, and Testing	4	2029	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program				Project (Number/Name) DX8 / HIMARS Product Improvement Program			
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
DX8: HIMARS Product Improvement Program	-	4.078	4.241	6.888	-	6.888	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project DX8. The M142 High Mobility Artillery Rocket System (M142 HIMARS) launcher is a full spectrum, combat proven, all weather, 24/7 lethal and responsive, precision strike weapon system. M142 HIMARS launchers support the Army's Long Range Precision Fires modernization effort. M142 HIMARS provides critical missile precision strike, operational shaping fires, counterfire, and close support destructive and suppressive fires. M142 HIMARS is a C-130 or C-17 transportable, wheeled, indirect fire, rocket/missile launcher capable of firing one pod of precision rockets/missiles from the current Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM) including the Guided MLRS (GMLRS), the Army Tactical Missile System (ATACMS), and the Precision Strike Missile (PrSM), and future MFOM to include the Extended Range GMLRS (ER-GMLRS). M142 HIMARS launchers support Integrated Fires and Multi-Domain Operations. Funds software development, training updates, Assured Positioning, Navigation and Timing (APNT) technology implementation, integration of satellite communications, integration of evolving cybersecurity requirements, and nonrecurring engineering for the M142 HIMARS launcher. Funds development related to maintaining capability associated with the current and evolving threat. HIMARS is part of the Army Transformation Initiative.

Funding for Project DX8 contributes to common efforts such as Assured Positioning, Navigation and Timing (APNT) integration and rocket launcher software development. The Next Generation APNT Receiver effort will replace the Increment 1 M-code receiver. Next Generation APNT Receiver development will replace the obsolete Increment 1 receiver with an Increment 2 receiver as well as address the evolving threat environment. Potential advancements include efforts such as: Alternative Navigation (ALTNAV), timing holdover, Network Assisted Assured (NA2), Other Signals of Opportunity, Advanced Anti-Jam, and Beamforming. Supports the Army's goal to develop common solutions applicable to both M270A2 MLRS and M142 HIMARS launchers.

Justification:

FY2026 Base funding in the amount of \$6.888 million for Project DX8 completes the integration of Increment 1 M-Code and Anti-Jam (AJ) capabilities into the rocket launcher, Assured Positioning, Navigation and Timing (APNT) capabilities, and integration of satellite communications; allowing HIMARS to effectively operate in near-peer and peer-threat environments. It continues CFCS software development, qualification, and materiel release. These efforts support the fire control system (FCS) electronic obsolescence mitigation hardware upgrade required to operate an HIMARS launcher. The tactical software is required to field additional launchers, maintain backward compatibility for current fleet sustainment, and is the first release of government developed software common to both the M270A2 MLRS and M142 HIMARS launcher. Initiates Next Generation APNT Receiver development which will replace the obsolete Increment 1 M-code receiver, advancing the APNT posture to address the evolving threat environment.

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

	FY 2024	FY 2025	FY 2026
Title: MLRS Production Improvement Program (PIP)-HIMARS PIP	4.078	4.084	6.888

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program		Project (Number/Name) DX8 / HIMARS Product Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: Description: The HIMARS Product Improvement Program provides the preservation of platform viability and readiness to accept technology insertion. As capability enhancements are developed, technology is inserted to mitigate obsolescence. Support efforts include: obsolescence mitigation and enhancements for the Family of Medium Tactical Vehicles (FMTV) Carrier, fire control system, launcher loader module and Enhanced Command and Control; development and updating the Fire Control System software to keep pace with changes to the munitions; and performing Command, Control, Communications, Computers and Intelligence (C4I)/interoperability and Information Assurance compliance certification and network interoperability testing. Perform technical assessments and concept studies for the following: electronic obsolescence mitigation and redesign to keep pace with the evolving threat, Assured Positioning Navigation and Timing (APNT), crew protection, automotive and hardware/software enhancements, improving operational timelines, leader-follower technology and risk reduction.</p> <p>FY 2025 Plans: Continue tactical launcher software development, risk reduction, and qualification to support the fire control system (FCS) electronic obsolescence mitigation hardware upgrade required to operate a M142 HIMARS launcher. Integrate and test the improved Assured Positioning, Navigation and Timing (APNT) capabilities and satellite communications, to include M-Code and Anti-Jam (AJ) capabilities for CFCS-equipped M142 HIMARS launchers. Complete Digital Anti-Jam Receiver (DIGAR) testing for UFCS-equipped M142 HIMARS launchers.</p> <p>FY 2026 Plans: Completes the integration of the Increment 1 M-Code Receiver. Continues the tactical launcher software development to incorporate updates from Functional Qualification Test (FQT) and Post System Integration Test (SIT) qualification to support the fire control system (FCS), integrates and tests the improved Assured Positioning, Navigation and Timing (APNT) capabilities and satellite communications; including M-Code and Anti-Jam (AJ) capabilities. Updates software to integrate evolving cybersecurity requirements. Develop, integrate, and test rocket launcher solutions, including test planning to support test events. Initiates Increment 2, Next Generation APNT Receiver development which will replace the obsolete Increment 1 M-code receiver. Also initiates the design of the receiver electronics for the Increment 2 M-code application specific integrated circuit (ASIC) developed by Space Force. The design, testing, and qualification of the ASIC receiver is expected to take approximately four years followed by integration testing and qualification at the system level. The Increment 2 APNT Receiver effort will replace the NavStrike M receiver due to obsolescence. The Increment 2 APNT Receiver addresses the evolving threat environment. Potential advancements include efforts such as: Alternative Navigation (ALTNAV), timing holdover, Network Assisted Assured (NA2), Other Signals of Opportunity, Advanced Anti-Jam, and Beamforming.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increased funding due to planned life cycle of the program.</p>					
Title: SBIR/STTR Transfer			-	0.157	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 7			R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program			Project (Number/Name) DX8 / HIMARS Product Improvement Program					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
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							4.078	4.241	6.888		
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2026</u>	<u>FY 2026</u>	<u>FY 2026</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Base</u>	<u>OOB</u>	<u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Complete</u>	<u>Total Cost</u>
• C67501: HIMARS Modifications	76.266	49.581	54.005	-	54.005	-	-	-	-	-	-
• C02901: High Mobility Artillery Rocket System (HIMARS)	187.972	79.387	61.503	-	61.503	-	-	-	-	-	-
Remarks C67501 (Budget Line Item Number 27) and C02901 (Budget Line Item Number 18) are funded in the Missiles Procurement Army appropriation.											
D. Acquisition Strategy The M142 HIMARS Product Improvement Program performs development efforts required to address emerging requirements. Emerging requirements include, but are not limited to, updates to address emerging threats to the launcher organic fire control system software, reacting to system changes driven by policy and emerging requirements, and maintaining architectural compatibility with other Army ground-based systems reducing sustainability costs. Update software and hardware for communications and munitions to maintain compatibility and operational viability against near-peer adversaries. The M142 HIMARS program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program						Project (Number/Name) DX8 / HIMARS Product Improvement Program			
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	-	-		0.157		-		-		-	0.000	0.157	-
Subtotal			-	-		0.157		-		-		-	0.000	0.157	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
Organic Software Development	MIPR	CCDC AvMC : Redstone Arsenal, AL	33.805	2.166	Apr 2024	2.948	Apr 2025	3.392	Nov 2025	-		3.392	Continuing	Continuing	Continuing
Assured Positioning, Navigation and Timing (APNT) Integration	SS/CPFF	LMMFC : Grand Prairie, TX	5.618	1.507	Nov 2023	0.624	Nov 2024	0.311	Apr 2026	-		0.311	0.000	8.060	-
Next Gen APNT Receiver Development	SS/CPFF	BAE : Cedar Rapids, IA	-	-		-		2.662	Apr 2026	-		2.662	Continuing	Continuing	Continuing
Subtotal			39.423	3.673		3.572		6.365		-		6.365	Continuing	Continuing	N/A
Remarks															
Organic (government developed, maintained, and owned) software development includes additional research and development related to fire control system electronic obsolescence.															
Assured Positioning, Navigation and Timing (APNT) activities includes integration of Global Positioning System (GPS) Anti-Jam, Anti-Spoofing capabilities, and integration of satellite communications.															
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	Ft Cavazos, TX, ATEC, APG, MD, WSMR, RTC, RSA : Various	5.700	0.405	Nov 2023	0.512	Nov 2024	0.523	Apr 2026	-		0.523	Continuing	Continuing	Continuing
Subtotal			5.700	0.405		0.512		0.523		-		0.523	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program				Project (Number/Name) DX8 / HIMARS Product Improvement Program					
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
Remarks Test support includes software qualification for the fire control system as well as the qualification and testing of the Assured Positioning, Navigation and Timing (APNT) solution.															
			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			45.123	4.078		4.241		6.888		-		6.888	Continuing	Continuing	N/A
Remarks Acronyms: APG MD - Aberdeen Proving Ground, Maryland APNT - Assured Positioning, Navigation and Timing ATEC - US Army Test and Evaluation Command AvMC - Aviation and Missile Center DEVCOM - Combat Capabilities Development Command DIGAR - Digital Anti-Jam (AJ) Receiver RTC RSA - Redstone Test Center, Redstone Arsenal, Alabama STORM - Strategic and Operational Rockets and Missiles WSMR - White Sands Missile Range															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program		Project (Number/Name) DX8 / HIMARS Product Improvement Program	

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
Software Development & Support																												
Software Development																												
APNT DIGAR/PNA-M Hardware Integration																												
APNT DIGAR/PNA-M Hardware Integration																												
APNT DIGAR/PNA-M Hardware EDT Testing/Analysis																												
APNT DIGAR/PNA-M Hardware EDT Testing/Analysis																												
APNT DIGAR Production Cut-In																												
APNT DIGAR Production Cut-In																												
Next Gen APNT Receiver Development																												
Next Gen APNT Receiver Development																												
Next Gen Receiver Requirements Development																												
Next Gen Receiver Requirements Development																												
Receive USAF Increment 2 M-Code ASIC																												
Receive USAF Increment 2 M-Code ASIC																												
Receiver Increment 2 M-Code Design Addressing APNT Evolv...																												
Receiver Increment 2 M-Code Design Addressing APNT Evolving Threat																												
Subcomponent Qualification and Testing																												
Subcomponent Qualification and Testing																												
System Integration, Qualification, and Testing																												
System Integration, Qualification																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0603778A / MLRS Product Improvement Program	Project (Number/Name) DX8 / HIMARS Product Improvement Program	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Development & Support	1	2019	4	2030
APNT DIGAR/PNA-M Hardware Integration	1	2022	1	2025
APNT DIGAR/PNA-M Hardware EDT Testing/Analysis	3	2022	2	2026
APNT DIGAR Production Cut-In	3	2026	3	2026
Next Gen APNT Receiver Development	1	2026	4	2030
Next Gen Receiver Requirements Development	1	2026	4	2026
Receive USAF Increment 2 M-Code ASIC	1	2027	1	2027
Receiver Increment 2 M-Code Design Addressing APNT Evolving Threat	4	2026	2	2029
Subcomponent Qualification and Testing	4	2028	1	2030
System Integration, Qualification, and Testing	4	2029	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>	PE 0605024A / <i>Anti-Tamper Technology Support</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	-	7.274	7.489	6.449	-	6.449	-	-	-	-	-	-
FB1: <i>Anti-Tamper Technology Support</i>	-	7.274	7.489	6.449	-	6.449	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Anti-Tamper (AT) Technology Support. The Protective Technologies (PT) organization is the Army's Lead Technical Agent for the DoD AT program, which is focused on preventing exploitation reverse engineering (RE) of U.S. systems lost or captured on the battlefield or sold via Foreign Military Sales (FMS) or Direct Commercial Sales (DCS). In support of this mission, PT's classified efforts are focused on independent AT Validation and Verification (V&V) activities with Army programs, AT/RE Lab facilities and equipment and AT/RE Lab assessments. This program element funds these efforts for the U.S. Army.

Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM), Aviation & Missile Center (AvMC), Redstone Arsenal, AL.

The FY 2026 request was reduced by \$0.772 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	7.472	7.489	7.497	-	7.497
Current President's Budget	7.274	7.489	6.449	-	6.449
Total Adjustments	-0.198	0.000	-1.048	-	-1.048
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.198	-			
• Adjustments to Budget Years	-	-	-1.048	-	-1.048

Change Summary Explanation

Decrease in FY 2026 funding from previous President's Budget is due to new PB26 submission..

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0605024A / Anti-Tamper Technology Support				Project (Number/Name) FB1 / Anti-Tamper Technology Support			
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
FB1: Anti-Tamper Technology Support	-	7.274	7.489	6.449	-	6.449	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Anti-Tamper (AT) Technology Support. The Protective Technologies (PT) organization is the Army's Lead Technical Agent for the DoD AT program, which is focused on preventing exploitation/reverse engineering (RE) of U.S. systems lost or captured on the battlefield or sold via Foreign Military Sales (FMS) or Direct Commercial Sales (DCS). In support of this mission, PT's classified efforts are focused on independent AT Validation and Verification (V&V) activities with Army programs, AT/RE Lab facilities and equipment and AT/RE Lab assessments. This project funds these efforts for the U.S. Army.

Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM), Aviation & Missile Center (AvMC), Redstone Arsenal, AL.

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

	FY 2024	FY 2025	FY 2026
Title: Anti-Tamper (AT) Technology Support	7.274	7.489	6.449
Description: AT is a DoD program that encompasses the systems engineering activities intended to prevent and/or delay exploitation of critical technologies in U.S. weapon systems. These activities involve the entire life-cycle of systems acquisition, including research, development, implementation, and testing of AT measures.			
FY 2025 Plans: Will continue to build and maintain the Protective Technologies (PT) core team of SMEs available for this ongoing mission to support the development and fielding of Army programs through the technical evaluation of their AT architectures. In support of that primary mission, PT must and will continue to build and maintain state-of-the-art RE capabilities to facilitate technical assessments to evaluate the vulnerabilities of micro-electronic components used in the electronic designs of Army weapons systems with CPI that requires protection.			
FY 2026 Plans: Will continue to maintain the Protective Technologies (PT) core team of SMEs available for this ongoing mission to support the development and fielding of Army programs through the technical evaluation of their AT architectures as allocated funding allows. In support of its primary mission, PT must continue to build and maintain state-of-the-art reverse engineering (RE) capabilities to facilitate technical assessments to evaluate the vulnerabilities of micro-electronic components used in the electronic designs of Army weapons systems with critical program information (CPI) that requires protection.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0605024A / Anti-Tamper Technology Support	Project (Number/Name) FB1 / Anti-Tamper Technology Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Reduced funding reflects decreased civilian pay requirement resulting from workforce optimization and efficiencies including reduction in advisory and assistance services contracts.				
Accomplishments/Planned Programs Subtotals		7.274	7.489	6.449
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
N/A				
D. Acquisition Strategy				
N/A				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0605024A / Anti-Tamper Technology Support				Project (Number/Name) FB1 / Anti-Tamper Technology 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
AT V&V Activities	Various	Redstone Arsenal & Prime Contract locations : Redstone Arsenal	14.536	2.650	Oct 2023	2.717	Oct 2024	2.358	Oct 2025	-		2.358	0.000	22.261	-
Subtotal			14.536	2.650		2.717		2.358		-		2.358	0.000	22.261	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
AT/RE Lab Facilities & Equipment	Various	Redstone Arsenal, AL : Redstone Arsenal, AL	14.970	2.756	Oct 2023	2.838	Oct 2024	2.413	Oct 2025	-		2.413	0.000	22.977	-
Subtotal			14.970	2.756		2.838		2.413		-		2.413	0.000	22.977	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
AT/RE Laboratory Assessments	Various	Redstone Arsenal, AL : Redstone Arsenal, AL	8.801	1.868	Oct 2023	1.934	Oct 2024	1.678	Oct 2025	-		1.678	0.000	14.281	-
Subtotal			8.801	1.868		1.934		1.678		-		1.678	0.000	14.281	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			38.307	7.274		7.489		6.449		-		6.449	0.000	59.519	N/A
Remarks															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 7

R-1 Program Element (Number/Name)

PE 0605024A / Anti-Tamper Technology Support

Project (Number/Name)

FB1 / Anti-Tamper Technology Support

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0605024A / Anti-Tamper Technology Support	Project (Number/Name) FB1 / Anti-Tamper Technology Support	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
AT V&V Activities	1	2017	4	2030
AT/RE Lab Facilities and Equipment	1	2017	4	2030
AT/RE Laboratory Assessments	1	2017	4	2030
AT Congressional Add - New Novel Tech Solutions	2	2019	4	2019

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement							
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	-	-	0.271	0.115	-	0.115	-	-	-	-	-	-
DJ7: Radiological Detection System Development	-	-	0.271	0.115	-	0.115	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Combating Weapons of Mass Destruction Product Improvement (CWMD) line supports obsolescence management efforts for overall chemical, radiological, and biological detection and protection for the warfighter for multiple programs of record, including the Radiological Detection System (RDS).

FY2026 Base amount of \$0.115 million supports RDS.

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	0.271	0.000	-	0.000
Current President's Budget	0.000	0.271	0.115	-	0.115
Total Adjustments	0.000	0.000	0.115	-	0.115
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	0.115	-	0.115

Change Summary Explanation

Decrease in funding supports scope of test activities scheduled for RDS in FY26.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement				Project (Number/Name) DJ7 / Radiological Detection System 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
DJ7: Radiological Detection System Development	-	-	0.271	0.115	-	0.115	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Combating Weapons of Mass Destruction Product Improvement (CWMD) line supports obsolescence management efforts for overall chemical, radiological, and biological detection and protection for the warfighter for multiple programs of record.												
Radiological Detection System (RDS) will replace the current radiation detection, indication, and computation (RADIAC) systems used by the Joint Services and will consolidate the capabilities into one joint solution. RDS consists of a handheld base unit with beta/gamma detection capability and six probes. RDS incorporates geolocation data- Global Positioning System interface capability, Network Ready data and lessons learned from Operation TOMODACHI which includes common measurements, common equipment, and adequate sensitivity. RDS benefits the warfighter by providing a common Joint capability to detect, identify, and compute total exposure to multiple radiation types, and reduces the acquisition as well as sustainment costs across the Joint Services by taking advantage of economies of scale.												
FY26 funding will resource mandatory testing to validate the interoperability of the RDS with Army Radios - achieving KPP 3 of Net Ready.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: RDS Obsolescence Management									-	0.271	0.115	
FY 2025 Plans: RDS new RDTE funding will use FY25 (\$0.271 million) funding for the following activities: Addressing radio interoperability.												
FY 2026 Plans: RDS will use FY26 (\$0.115M) funding for the addressing radio interoperability to support the Net Ready KPP and continue activities to support follow-on operational test and evaluation (FOT&E).												
FY 2025 to FY 2026 Increase/Decrease Statement: FY26 funds decrease supports scope of requirements for testing in FY26, completing scheduled interoperability activities.												
Accomplishments/Planned Programs Subtotals									-	0.271	0.115	
C. Other Program Funding Summary (\$ in Millions)												
N/A												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement	Project (Number/Name) DJ7 / Radiological Detection System Development

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

Remarks

D. Acquisition Strategy

The Radiological Detection System (RDS) will utilize funding through Other Government Agency (OGA) support via MIPR to accomplish test and interoperability requirements consistent with the program schedule.

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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 / 7				PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement						DJ7 / Radiological Detection System 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 Support	TBD	TBD : TBD	-	-		0.026	Dec 2024	0.013	Dec 2025	-		0.013	0.000	0.039	-
Subtotal			-	-		0.026		0.013		-		0.013	0.000	0.039	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
Government Team Labor	MIPR	CCBC CBC : APG, MD	-	-		0.055	Apr 2025	-		-		-	0.000	0.055	-
Subtotal			-	-		0.055		-		-		-	0.000	0.055	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
T&E Interoperability (RDS)	MIPR	Operational Test Command (OTC) : TBD	-	-		0.190	Apr 2025	0.102	Dec 2025	-		0.102	0.000	0.292	-
Subtotal			-	-		0.190		0.102		-		0.102	0.000	0.292	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			-	-		0.271		0.115		-		0.115	0.000	0.386	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement		Project (Number/Name) DJ7 / Radiological Detection System 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
Interoperability - RDS																												
Follow-On Test and Evaluation (FOT&E) - RDS																												
Defense Advanced GPS Receiver (DAGR) Replacement - RDS																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607101A / Combating Weapons of Mass Destruction (CWMD) Product Improvement	Project (Number/Name) DJ7 / Radiological Detection System Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Interoperability - RDS	2	2025	2	2026
Follow-On Test and Evaluation (FOT&E) - RDS	2	2025	4	2026
Defense Advanced GPS Reciever (DAGR) Replacement - RDS	1	2027	4	2027

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs							
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	-	61.735	31.563	13.687	-	13.687	-	-	-	-	-	-
CP2: Precision Fire Technology Improvements	-	3.325	10.949	3.630	-	3.630	-	-	-	-	-	-
ER2: Close Combat Technology	-	2.780	1.754	4.707	-	4.707	-	-	-	-	-	-
ER5: Indirect Fire and Fuze Technology	-	14.144	7.106	2.302	-	2.302	-	-	-	-	-	-
ER6: Direct Fire Technology	-	41.486	11.754	3.048	-	3.048	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Project CP2 / Precision Fire Technology Improvements, supports required Precision Guided Munitions (PGMs), and Precision Fuze and Fuze Setter assessment and improvement initiatives to support increased rates of fire for items that have been fielded or in full rate production, such as the M1155 Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS), Excalibur and Precision Guidance Kit (PGK). Efforts will identify, characterize, study, analyze, test, and develop PGM and Fuze technologies to increase range, lethality, effectiveness, survivability, and accuracy in support of the Army's Cannon Transformation Strategy.

Project ER2 / Close Combat Technology includes development efforts to upgrade Close Combat technologies, energetics, and munitions, such as counter explosives, grenades, demolitions, shoulder launched munitions, pyrotechnic simulators, countermeasure flares, non-lethal ammunition/systems, and networked munitions and mines, that have been fielded or have received approval for full rate production. Funding will allow the project to identify, characterize, study, analyze, test and develop technologies to resolve close combat munition reliability, safety, environmental, storage, standardization, obsolescence and manufacturing/producibility issues.

Project ER5 / The Indirect Fire and Fuze Technology Project includes product improvement, and development efforts to upgrade indirect fire weapon systems and munitions that are fielded and/or are in production. Initiatives include improved target engagement, increased reliability, availability, maintainability, and safety, standardization and interoperability with weapons and munitions of Allied Nations, defense exportability features, reduction of failure mechanisms, and supply chain risk through introduction of new and alternative technology and materiel solutions, improvement of manufacturing methods and their associated production and life cycle support processes, new capabilities in response to the evolving and emerging threats and countermeasures, and reduction/elimination of potential environmental and health risks associated with these products. The Indirect Fire and Fuze Technology Project will enhance the Department of Defense's (DoD) portfolio.

Project ER6 / The Direct Fire Technology funding will be used to support direct fire ammunition from small caliber ammunition, medium caliber ammunition and large caliber ammunition enhancements to lethality, effectiveness, survivability, accuracy and general product improvements. Funding supports a number of small caliber ammunition projects including improvements to training ammunition; improvements to make small caliber primers more environmentally friendly; optimization of handgun ammunition; exploring precision sniper improvements and continuing the effort to reduce Soldier load by developing lightweight ammunition. Improvements to medium caliber ammunition include lethality and safety enhancements including Counter Unmanned Aircraft System (C-UAS) technology. Improvements to 105mm and 120mm

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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 7: Operational Systems Development		PE 0607131A I Weapons and Munitions Product Improvement Programs				
tank ammunition include examination and implementation of performance enhancement and improvements to tracer, combustible cartridge case and 105mm Advanced Multipurpose (AMP).						
The FY 2026 request was reduced by \$0.03 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		8.425	9.363	9.454	-	9.454
Current President's Budget		61.735	31.563	13.687	-	13.687
Total Adjustments		53.310	22.200	4.233	-	4.233
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		51.500	27.200			
• Congressional Directed Transfers		-	-			
• Reprogrammings		2.117	-			
• SBIR/STTR Transfer		-0.307	-			
• Adjustments to Budget Years		-	-5.000	4.233	-	4.233
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: CP2: Precision Fire Technology Improvements						
Congressional Add: Development and testing software for 155 mm round production						
Congressional Add: Munitions production research						
Congressional Add Subtotals for Project: CP2						
Project: ER5: Indirect Fire and Fuze Technology						
Congressional Add: Development and Testing Software for 155 mm Round Production						
Congressional Add: Advanced thermal batteries						
Congressional Add Subtotals for Project: ER5						
Project: ER6: Direct Fire Technology						
Congressional Add: Stibnite and Antimony for Ammunition Production						
Congressional Add: Lightweight Ammunition Manufacturing Resilience						

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0607131A I Weapons and Munitions Product Improvement Programs	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add: Refractory Metal Alloys for Hypersonics		10.000	-
Congressional Add: Smart Manufacturing for Armaments		5.000	-
Congressional Add: Printed Electronics		9.000	-
Congressional Add Subtotals for Project: ER6		39.500	10.000
Congressional Add Totals for all Projects		51.500	22.200
Change Summary Explanation Decrease in FY 2026 funding from the previous PB to the current PB due to decreased resources for Direct Fire Technology used to support direct fire ammunition from small caliber ammunition, medium caliber ammunition, and large caliber ammunition enhancements to lethality, effectiveness, survivability, accuracy and general product improvements.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) CP2 / Precision Fire Technology Improvements			
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
CP2: Precision Fire Technology Improvements	-	3.325	10.949	3.630	-	3.630	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project supports required Precision Guided Munitions (PGMs), and Precision Fuze and Fuze Setter assessment and improvement initiatives to support increased rates of fire for items that have been fielded or in full rate production, such as the M1155 Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS), Excalibur and Precision Guidance Kit (PGK). Efforts will identify, characterize, study, analyze, test, and develop PGM and Fuze technologies to increase range, lethality, effectiveness, survivability, and accuracy in support of the Army's Cannon Transformation Strategy.

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

	FY 2024	FY 2025	FY 2026
Title: Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS) Modernization	3.325	3.549	3.630
Description: The effort supports fuze setting system requirements based on legacy and developmental platforms and munitions for 155mm Artillery systems. Efforts support development of comprehensive technology plan in support of the Army's Artillery Modernization Strategy.			
FY 2025 Plans: Fiscal Year (FY) 2025 funding will support software development and integration activities as well as continued monitoring of upgrade strategies and requirements of interfacing PGMs and Fuzes in support of Artillery ammunition and platform modernization. FY 2025 funding will also support fuze setter integration activities required for compatibility with PGMs and all Self-Propelled Howitzer (SPH) systems equipped with cannon lengths greater than or equal to 52-caliber.			
FY 2026 Plans: Fiscal Year (FY) 2026 funding will support software development and integration activities as well as continued monitoring of upgrade strategies and requirements of interfacing PGMs and Fuzes in support of artillery ammunition and platform modernization. Funding will also support fuze setter development activities necessary for compatibility with PGMs and increased power and data handling capabilities.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to increase in contract costs associated with fuze setter modernization efforts.			
Accomplishments/Planned Programs Subtotals	3.325	3.549	3.630

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) CP2 / <i>Precision Fire Technology Improvements</i>

	FY 2024	FY 2025
Congressional Add: Development and testing software for 155 mm round production FY 2025 Plans: FY 2025 funding will perform Risk and Analysis mitigation, re-configuration of large bore CT scanner, and initial subassembly of vendor equipment. The Contractor will deliver update the project schedule, purchase long lead items for horizontal configuration of CT scanner, and submit system design documentation for an interim design review. The contractor will perform initial subassembly of vendor equipment, and if time permits, begin installation and integration at NSWC in Dahlgren, VA	-	3.000
Congressional Add: Munitions production research FY 2025 Plans: FY 2025 funding will support production research and development efforts focused on modernizing infrastructure, improving efficiency, developing new technologies for ammunition production, and developing new armament and ammunition capabilities in support of the National Defense Strategy.	-	4.400
Congressional Adds Subtotals	-	7.400

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

Remarks

D. Acquisition Strategy
The EPIAFS Modernization effort is utilizing US Government labor and development capabilities to accomplish trade studies and Other Transaction Agreement (OTA) contracts for development of modernized fuze setting concepts and model development. Upon completion, efforts will transition to production as Engineering Change Proposals (ECPs) to be integrated into existing Federal Acquisition Regulation (FAR) production contracts.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) CP2 / Precision Fire Technology Improvements					
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
EPIAFS Modernization Development and Hardware	Various	To Be Determined : TBD	0.932	1.233	Jun 2024	1.300	Jun 2025	1.359	Jun 2026	-		1.359	0.000	4.824	-
CONG Add - Munitions Production Research	TBD	TBD : TBD	-	-		4.400	Jul 2025	-		-		-	0.000	4.400	-
CONG Add - Development and Software Testing for 155mm Production	TBD	TBD : TBD	-	-		3.000	Jul 2025	-		-		-	0.000	3.000	-
Subtotal			0.932	1.233		8.700		1.359		-		1.359	0.000	12.224	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
EPIAFS Modernization Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	2.000	1.692	Nov 2023	1.849	Nov 2024	1.871	Nov 2025	-		1.871	0.000	7.412	-
EPIAFS Modernization Platform/Fire Control Integration Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	0.100	0.100	Nov 2023	0.100	Nov 2024	0.100	Nov 2025	-		0.100	0.000	0.400	-
EPIAFS Modernization Cybersecurity Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	0.100	0.100	Nov 2023	0.100	Nov 2024	0.100	Nov 2025	-		0.100	0.000	0.400	-
Subtotal			2.200	1.892		2.049		2.071		-		2.071	0.000	8.212	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) CP2 / Precision Fire Technology Improvements					
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
EPIAFS Modernization Environmental Testing	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	0.100	0.100	Aug 2024	0.100	Aug 2025	0.100	Aug 2026	-		0.100	0.000	0.400	-
EPIAFS Modernization Firing Testing	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	0.100	0.100	Aug 2024	0.100	Aug 2025	0.100	Aug 2026	-		0.100	0.000	0.400	-
Subtotal			0.200	0.200		0.200		0.200		-		0.200	0.000	0.800	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			3.332	3.325		10.949		3.630		-		3.630	0.000	21.236	N/A
Remarks EPIAFS = Enhanced Portable Inductive Artillery Fuze Setter															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) CP2 / Precision Fire Technology Improvements	

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
EPIAFS Modernization																												
Configuration Management																												
Setter / Software Development																												
Requirements & Architecture Development																												
Power / Data Transmission Trade Studies																												
Developmental Projectile & Fuze Setting Integration																												
Platform/IPIK Setting Integration																												
Direct Set Interface Fabrication for Precision Guided Mu...																												
EPIAFS Gen 2 Setter Platform Integration																												
Excalibur Ib Modernization																												
Development & Testing																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) CP2 / <i>Precision Fire Technology Improvements</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EPIAFS Modernization	1	2022	4	2030
Configuration Management	1	2022	4	2030
Setter / Software Development	3	2022	4	2029
Requirements & Architecture Development	1	2022	4	2027
Power / Data Transmission Trade Studies	1	2023	4	2026
Developmental Projectile & Fuze Setting Integration	1	2023	2	2029
Platform/iPIK Setting Integration	3	2022	3	2027
Direct Set Interface Fabrication for Precision Guided Munition (PGM) Qualification	4	2024	2	2025
EPIAFS Gen 2 Setter Platform Integration	4	2025	3	2028
Excalibur Ib Modernization	4	2023	4	2024
Development & Testing	4	2023	3	2024

Note

EPIAFS = Enhanced Portable Inductive Artillery Fuze Setter

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER2 / Close Combat Technology			
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
ER2: Close Combat Technology	-	2.780	1.754	4.707	-	4.707	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Project ER2 Close Combat Technology includes development efforts to upgrade Close Combat technologies, energetics, and munitions, such as counter explosives, grenades, demolitions, shoulder launched munitions, pyrotechnic simulators, countermeasure flares, non-lethal ammunition/systems, and networked munitions and mines, that have been fielded or have received approval for full rate production. Funding will allow the project to identify, characterize, study, analyze, test and develop technologies to resolve close combat munition reliability, safety, environmental, storage, standardization, obsolescence and manufacturing/producibility issues.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: M330 Obscuration Grenade									2.636	1.090	0.300	
Description: The M330 Hand Grenade Smoke Screening (HGSS) produces a dense cloud of non-colored smoke for 90 to 150 seconds in the visual spectrum for screening and concealment of the tactical small unit. The environmentally friendly M330 is the approved replacement for the highly toxic AN-M8 HC Smoke hand grenade currently restricted for contingency operations. The interim solution, the M83 TA "Practice" smoke hand grenade, is not suitable and sustainable for combat operations as it requires a 3:1 ratio when compared to the AN-M8 HC or M330 for tactical obscuration. The M83 TA "Practice" smoke hand grenade will serve as the M330 HGSS trainer. The M330 enables the Soldier Lethality modernization priority by providing the Soldier with a tactical replacement for the AN-M8 that provides effective obscuration capability to support Soldier Maneuver under enemy fire while reducing toxicity to the Soldiers and Environment. The M330 also reduces Soldier load and the associated logistics burden as Soldiers can now use a single M330 in lieu of 3 M83s currently needed in tactical operations.												
FY 2025 Plans: FY 2025 funding supports engineering efforts required to support Type Classification Standard and Full Materiel Release.												
FY 2026 Plans: FY 2026 funding continues to supports engineering efforts required to support Type Classification Standard and Full Materiel Release.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to M330 achieving FMR and moving to production in FY 2027.												
Title: M67 (G881) Fragmentation Hand Grenade									0.102	0.250	-	
Description: The M67 Hand Grenade uses the M213 fuze which does not meet Insensitive Munitions (IM) requirements. The M67 E1 program is a modernization effort that will replace the legacy M67 with a more IM compliant system which greatly increases												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) ER2 / <i>Close Combat Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>the safety of the warfighter as it will make the M67 less susceptible to inadvertent detonation. This effort will integrate the Israeli M840 IM compliant foreign fuze as a replacement to the current M213 fuze and incorporate an IM compliant explosive fill. The new IM compliant fuze and explosive fill will be qualified for incorporation into the M67 design and the TDP will be updated. The M67 is an enabler for Soldier Lethality as it provides Soldiers with a highly effective capability that is easy to throw and can produce casualties to enemy combatants via a 15 meter fragmentation radius. This capability enables the soldier lethality Army modernization priority by providing increased lethality while increasing soldier survivability due to safety benefits of the more IM compliant grenade.</p> <p>FY 2025 Plans: FY 2025 funding supports the completion of the qualification build, reliability testing and final close out report.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to effort completion.</p>			
<p>Title: M112 Demolition Block - Alternate Fill</p> <p>Description: This effort will qualify an alternative explosive fill (PAX-52) for the M112 demolition block that is a more reliable demolition for use in cold and extreme cold conditions and more environmentally friendly in manufacture and use. It also eliminates the need for Polyisobutylene (PIB) a current OCONUS single point failure within the production of the M112 Demolition Block.</p> <p>FY 2025 Plans: FY 2025 funding supports Insensitive Munition (IM), Final Hazard Classification (FHC), and EOD Render Safe Procedure (RSP) Testing in support of production decision.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to testing completion and moving into procurement LRIP production in FY 2026</p>		0.042	0.250
<p>Title: Volcano Modernization</p> <p>Description: This effort will develop improvements to the Volcano anti-vehicular scatterable mine delivery system and associated mine canisters. The focus will be on robotic control, remote canister deployment, and tactical canister improvements.</p> <p>FY 2025 Plans:</p>		-	1.416

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) ER2 / <i>Close Combat Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>The M87A1 Volcano Canister has not been produced in several decades, leading to several obsolescence challenges impacting producibility. This funding will support a study to evaluate M87A1 producibility and potential enhancements to support this critical munition's production in future budget requests.</p> <p>FY 2026 Plans: FY 2026 funding will continue to evaluate the M87A1 Canister and implement improvements to enhance capability. Funding will also address Volcano system roboticization and remote canister delivery solutions.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to engineering efforts associated with product improvements.</p>			
<p>Title: Airborne Expendable Countermeasure Modernization</p> <p>Description: FY25 funding supports combining the legacy countermeasures into a single cartridge to optimize Size, Weight, and Power (SWAP) and increase the number of countermeasure solutions.</p> <p>FY 2026 Plans: FY 2026 funding will support Infrared feasibility study, modeling and simulation, RF countermeasure prototyping and begin countermeasure development testing efforts.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to countermeasure testing efforts ramping up.</p>		-	-
			2.091
<p>Title: MICLIC Trainer</p> <p>Description: This effort will develop a replacement for the current M68 Mine Clearing Line Charge (MICLIC) training round which has proven to be expensive and difficult to utilize. The M68 trainer is designed to be fired 3 times but repacking the inert line charge into its "tub" after a firing event is a manpower intensive and time consuming endeavor, which leads to an ineffective training experience for soldiers. This effort will explore concepts and qualify a solution that provides a realistic training experience for the soldier, reduces the scope of or eliminates the repacking task, and is more cost effective than the current system.</p> <p>FY 2026 Plans: FY 2026 funding will support support an analysis of alternatives, select a design solution, and establish a qualification plan in order to procure.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 is the first year of funding for this effort.</p>		-	-
			0.400
<p>Title: M82 Electronic Delay</p>		-	-
			0.300

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER2 / Close Combat Technology		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: M82 is the practice smoke round for the family of 66mm vehicle launched smoke grenades. This effort is to qualify and replace the current pyrotechnic delay mix with an electronic delay circuit. Historically, there have been performance issues and failures at cold temperatures that have been attributed to the pyrotechnic delay mix. This effort will improve the performance of the M82 (and eventually, the M81) during extreme temperatures.</p> <p>FY 2026 Plans: FY 2026 funding will be used to begin building prototypes, conducting functionality and environmental survivability testing and developing test reports.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 is the first year of funding for this effort.</p>				
<p>Title: Shoulder Launched Munition Improvements</p> <p>Description: This effort will improve Army Multipurpose Anti-Armor Anti-Personnel Weapon System (MAAWS) ammunition communication capability with M3A1 Carl Gustaf Recoilless Rifle Fire Control System. The improvements will enable the M3A1 Carl Gustaf rifle's fire control system to recognize the ballistic trajectories and energetic profile automatically enabling the Soldier to focus on the mission and reducing time to engage adversaries. This increases accuracy and improves Soldier Lethality. Effort will also add improvements to other soldier launched capabilities.</p> <p>FY 2026 Plans: FY 2026 funding will support software integration and verification testing for Multipurpose Anti-Armor Anti-Personnel Weapon System (MAAWS) ammunition communication capability.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 is the first year of funding for this effort.</p>		-	-	0.200
<p>Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)</p> <p>Description: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)</p> <p>FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638</p>		-	0.064	-
Accomplishments/Planned Programs Subtotals		2.780	1.754	4.707

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER2 / Close Combat Technology			
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
• E31911: GRENADE, HAND:SMOKE, SCREENING, M330	2.968	0.100	3.033	-	3.033	-	-	-	-	-	-
• E32000: GRENADE, Hand, Frag, Delay, M67	8.717	0.104	10.643	-	10.643	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
M330 Obscuration Grenade: qualify an alternative fill as the legacy AN-M8 grenade is restricted for use in contingency operations due to its toxicity. Development of the M330 will ensure the Warfighter has tactical smoke obscuration that is more environmentally friendly. Once the smoke fill is qualified, the plan is to conduct Design Verification Testing, product qualification testing, implement the final design into the technical data package, and prepare for LRIP and production.											
M67 E1 Fragmentation Hand Grenade: replace the legacy M67 with a more IM compliant system which greatly increases the safety of the warfighter as it will make the M67 less susceptible to inadvertent detonation. This involves integrating an IM compliant fuze along with an IM compliant explosive fill into the M67 offensive hand grenade. The new design will be tested and qualified in order to mitigate the insensitive munition hazards associated with the explosive fill and the fuze technology. Follow-on procurement efforts will be competitive pending market research.											
M112 Demolition Block: Alternate Fill: upon qualification of PAX-52 as a bulk explosive and qualification for use in the M112 as an alternative to C4, it will be incorporated into the M112 TDP via an Engineering Change Proposal (ECP). Starting in FY 2027, a new contract for M112 will be established. M112 orders will be placed for the alternate (PAX-52) fill configuration, unless the current C4 configuration is specifically requested.											
Volcano Modernization: Conduct a study to determine obsolescence issues to be addressed in the M87A1 producibility effort and determine modernization requirements to address capability gaps. Leverage existing robotics capabilities to integrate into the Volcano system to develop a remotely controlled and initiated canister deployment capability.											
Airborne Expendable Countermeasure Modernization: use Other Transaction Authority (OTA) to produce test samples for flight testing and verification testing.											
MICLIC Trainer: An analysis of alternatives will evaluate options to modify or replace the current MICLIC M68A2 inert line charge and MK22Mod4 rocket. The selected solution will determine how to proceed with implementation and acquisition.											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER2 / Close Combat Technology
<p>M82 Simulant Smoke Practice Grenade: modernize the design of specific parts to address reliability issues and to make it more producible. The new design will be validated through testing. The Technical Data Package (TDP) will be updated to implement the changes. The program will utilize an Other Transaction Authority (OTA) contract to demonstrate the design improvements.</p> <p>Shoulder Launched Improvements: improve ammunition communication capability with M3A1 Carl Gustaf Recoilless Rifle Fire Control System. Conduct software integration and verification testing of rounds with updated electronic cartridge and complete Full Materiel Release.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER2 / Close Combat Technology					
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	-	-		0.064		-		-		-	0.000	0.064	-
Subtotal			-	-		0.064		-		-		-	0.000	0.064	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
M330 Enhanced Obscuration Grenade	Option/ FFP	Tool Masters Inc. : Tescumbria, AL	-	0.015	Sep 2024	-		-		-		-	0.000	0.015	-
M330 Enhanced Obscuration Grenade	MIPR	Battelle : Columbus, OH	-	0.279	Oct 2024	-		-		-		-	0.000	0.279	-
Subtotal			-	0.294		-		-		-		-	0.000	0.294	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
M330 Enhanced Obscuration Grenade	MIPR	DEVCOM Chemical Biological Center : Edgewood, MD	2.195	0.010	Apr 2024	0.408	May 2025	-		-		-	0.000	2.613	-
M330 Enhanced Obscuration Grenade	MIPR	Pine Bluff Arsenal : Pine Bluff, AK	2.794	2.078	Aug 2024	0.170	May 2025	-		-		-	0.000	5.042	-
M330 Enhanced Obscuration Grenade	MIPR	Yuma Proving Ground : Yuma, AZ	-	-		0.342	Apr 2025	-		-		-	0.000	0.342	-
M330 Enhanced Obscuration Grenade	MIPR	Naval Surface Warfare Center Indian Head : Indian Head, MD	-	-		0.030	Sep 2025	-		-		-	0.000	0.030	-
M330 Enhanced Obscuration Grenade	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	0.254	Feb 2025	0.140	Jul 2025	0.300		-		0.300	0.000	0.694	-

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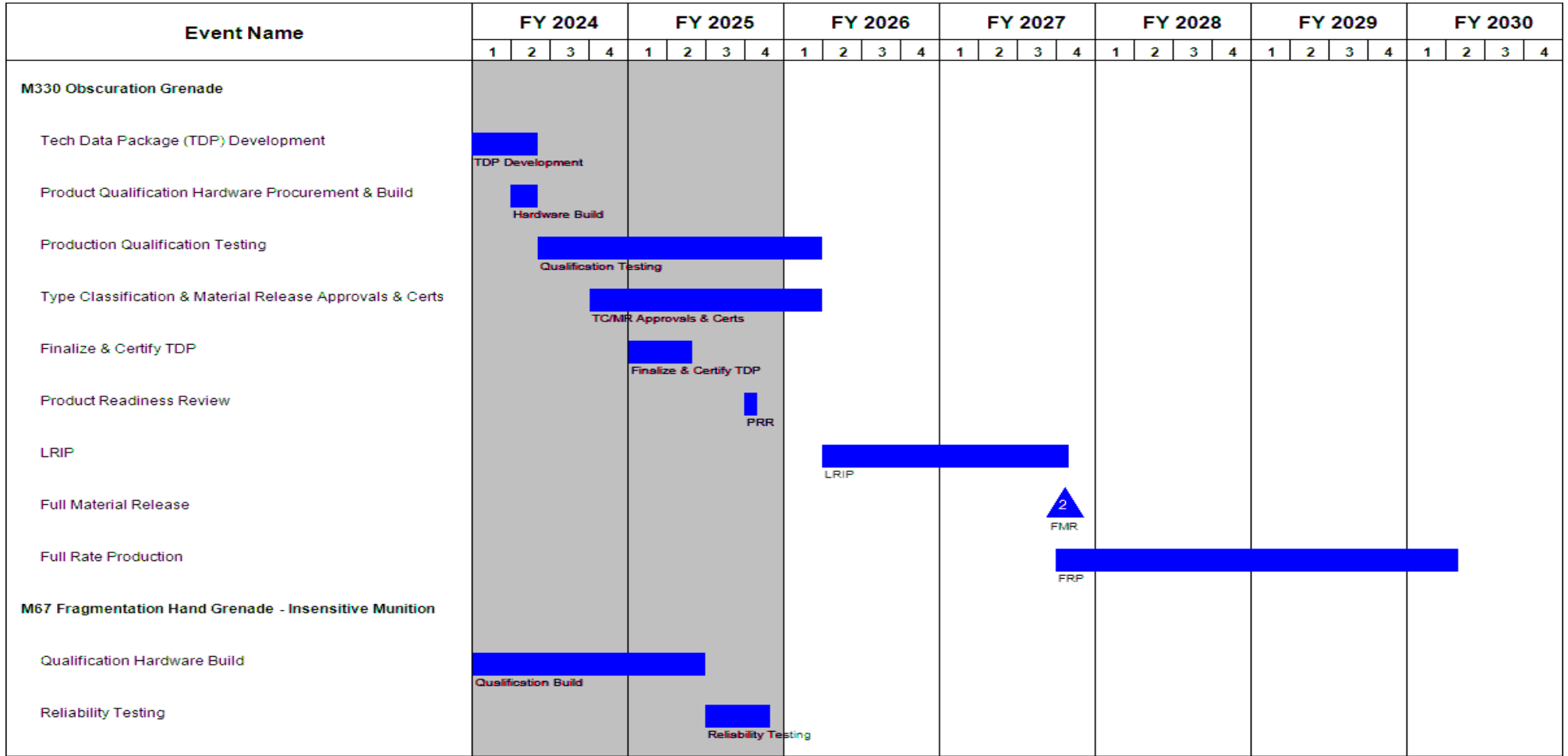
Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>						Project (Number/Name) ER2 / <i>Close Combat Technology</i>			
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
M67 (G881) Fragmentation Hand Grenade	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	1.868	0.102	Aug 2024	0.250	Apr 2025	-		-		-	Continuing	Continuing	-
M112 Demolition Block - Alternate Fill	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	0.656	0.042	Oct 2024	0.250	Jan 2025	-		-		-	Continuing	Continuing	-
Volcano Modernization	MIPR	Various : Various	-	-		0.100	Apr 2025	1.417	Jan 2026	-		1.417	Continuing	Continuing	-
M82 Electronic Delay	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.300	Jan 2026	-		0.300	0.000	0.300	-
Countermeasure Modernization Feasibility Study	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.350	Oct 2025	-		0.350	0.000	0.350	-
MICLIC Trainer	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.300	Oct 2025	-		0.300	0.000	0.300	-
MICLIC Trainer	MIPR	Naval Surface Warfare Center Indian Head : Indian Head, MD	-	-		-		0.100	Oct 2025	-		0.100	0.000	0.100	-
Shoulder Launched Improvements	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.200	Oct 2025	-		0.200	0.000	0.200	-
Subtotal			7.513	2.486		1.690		2.967		-		2.967	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
Countermeasure Modernization M&S	MIPR	TBD : TBD	-	-		-		0.500	Jan 2026	-		0.500	0.000	0.500	-
Countermeasure Modernization Testing	TBD	Various : Various	-	-		-		1.240	Mar 2026	-		1.240	0.000	1.240	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER2 / Close Combat Technology					
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			-	-		-		1.740		-		1.740	0.000	1.740	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			7.513	2.780		1.754		4.707		-		4.707	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) ER2 / Close Combat Technology

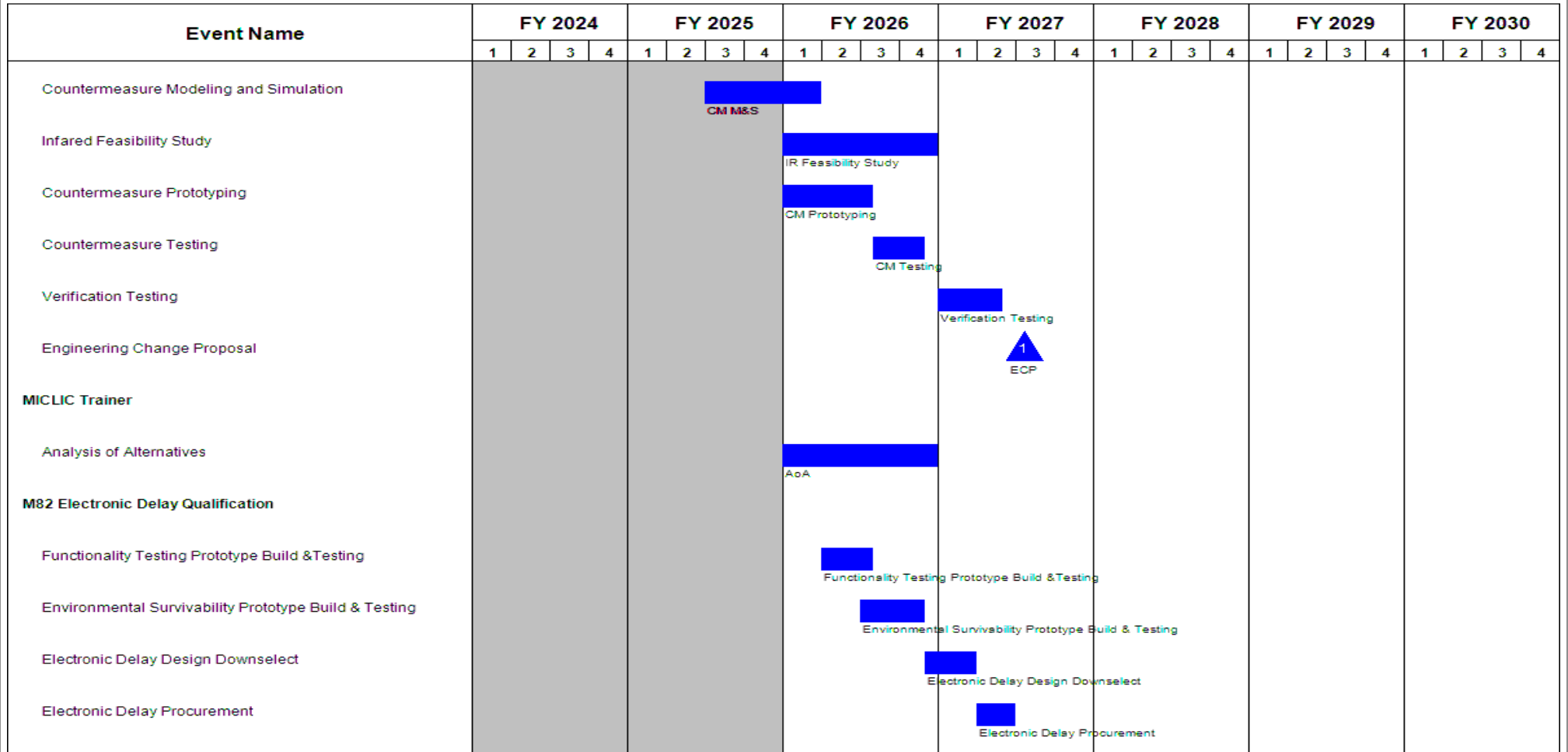


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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs								Project (Number/Name) ER2 / Close Combat Technology												
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
Close Out Report																												
M112 Demolition Block – Alternate Fill																												
TSE EMQB																												
Contract/Mfg block																												
Delta EMQB/ M112Test																												
Production Verification Testing																												
M112 ECP																												
Contract Award																												
Produce 4-12 blocks/ mo																												
Volcano Modernization																												
Volcano Canister Study and Modernization																												
Volcano System Roboticization and Remote Deployment																												
Airborne Expendable Countermeasure (CM) Modernization																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) ER2 / Close Combat Technology	



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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																				
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs								Project (Number/Name) ER2 / Close Combat Technology																				
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								
Electronic Delay Qualification Testing													[Redacted]				Electronic Delay Qualification Testing																			
Update Technical Data Packages (TDP)													[Redacted]				Update TDP																			
Shoulder Launched Improvements																																				
Software Integration													[Redacted]				Software Integration																			
MAAWS Verification Testing																	[Redacted]												MAAWS Verification Testing							

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) ER2 / <i>Close Combat Technology</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
M330 Obscuration Grenade	1	2017	4	2025
Engineering Tests	1	2022	1	2023
Tech Data Package (TDP) Development	4	2021	2	2024
Product Qualification Hardware Procurement & Build	1	2023	2	2024
Production Qualification Testing	2	2024	1	2026
Type Classification & Material Release Approvals & Certs	4	2024	1	2026
Finalize & Certify TDP	1	2025	2	2025
Product Readiness Review	4	2025	4	2025
LRIP	2	2026	4	2027
Full Material Release	4	2027	4	2027
Full Rate Production	4	2027	2	2030
M67 Fragmentation Hand Grenade - Insensitive Munition	1	2021	4	2027
Test/Evaluation	1	2021	4	2023
Qualification Hardware Build	1	2024	2	2025
Reliability Testing	3	2025	4	2025
Close Out Report	4	2025	4	2025
M112 Demolition Block - Alternate Fill	4	2021	1	2027
TSE EMQB	1	2025	2	2025
Contract/Mfg block	1	2025	3	2025
Delta EMQB/ M112Test	1	2025	4	2025
Production Verification Testing	4	2025	1	2027
M112 ECP	1	2027	3	2027

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) ER2 / Close Combat Technology	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER5 / Indirect Fire and Fuze Technology			
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
ER5: Indirect Fire and Fuze Technology	-	14.144	7.106	2.302	-	2.302	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Indirect Fire and Fuze Technology Project includes product improvement, and development efforts to upgrade indirect fire weapon systems and munitions that are fielded and/or are in production. Initiatives include improved target engagement, increased reliability, availability, maintainability, and safety, standardization and interoperability with weapons and munitions of Allied Nations, defense exportability features, reduction of failure mechanisms, and supply chain risk through introduction of new and alternative technology and materiel solutions, improvement of manufacturing methods and their associated production and life cycle support processes, new capabilities in response to the evolving and emerging threats and countermeasures, and reduction/elimination of potential environmental and health risks associated with these products. The Indirect Fire and Fuze Technology Project will enhance the Department of Defense's (DoD) portfolio.

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

	FY 2024	FY 2025	FY 2026
Title: Fuze Technology Integration (FTI)	2.144	2.306	2.302
Description: This project implements new and mature technologies into fuzing systems to preclude obsolescence, maximize standardization, enhance performance, and improve the safety and exportability of existing munitions. The FTI project addresses two major areas: (1) analysis/risk mitigation and (2) block upgrades. Analysis efforts will identify second sources for fuzing systems that may reduce costs by providing competition and maintain production when sources or parts are no longer available. It will also allow for the performance enhancement of current ammunition items by conducting studies of major fuze components to detect, identify, and correct latent defects. The second major area is block upgrades, which will identify and perform studies on improvements to fuzes, increase commonality of fuze components and requirements. Block upgrades will enable the introduction of the latest technologies into fuzing, keep the fuzing design current to avoid obsolescence issues and add capabilities.			
FY 2025 Plans: Analysis/Risk Mitigation: Expand and refine the fuze critical components database to identify and mitigate obsolescence as well as single point components and processes; complete the proximity sensor Hardware-in-the-loop (HWIL) countermeasures testing infrastructure; and continue to integrate miniature reserve cell batteries for use in 30mm to 40mm medium caliber fuzes. Block Upgrade: Complete extended duration artillery fuze power sources; investigate M734A1 signal processor product improvement; continue to integrate electronic and energetic technologies into the M213 hand grenade fuze to increase fuze and explosive safety; completes updating the M82 66mm smoke grenade with an electronic delay.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) ER5 / Indirect Fire and Fuze Technology		
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Analysis/Risk Mitigation: Expand and refine the fuze critical components database to identify and mitigate obsolescence as well as single point components and processes; continue to integrate miniature reserve cell batteries for use in 30mm to 40mm medium caliber fuzes; complete the proximity sensor Hardware-in-the-loop (HWIL) countermeasures testing infrastructure; continue setback generator tester infrastructure; continue hand grenade fuze modeling; and develop a second source mortar and medium caliber signal processor Application-Specific Integrated Circuit (ASIC) chip. Block Upgrade: Complete integrating into the M213 hand grenade fuze an electronic timer and new energetics technologies to increase fuze and explosive safety; start extended duration M782 artillery fuze thermal battery integration; and start M739A1 spinlock spring redesign. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to revised economic assumptions.						
Accomplishments/Planned Programs Subtotals				2.144	2.306	2.302
				FY 2024	FY 2025	
Congressional Add: Development and Testing Software for 155 mm Round Production FY 2024 Accomplishments: FY 2024 funding will perform Risk and Analysis mitigation, initial subassembly of vendor equipment, and begin initial installation of the overall. The Contractor will deliver a project schedule, purchase long lead items, and submit system design documentation for a preliminary design review. The contractor will perform initial subassembly of vendor equipment, and begin installation and integration at NSWC in Dahlgren, VA				12.000	-	
Congressional Add: Advanced thermal batteries FY 2025 Plans: FY 2025 funding will research and advance four distinct tasks to meet the desired objectives of increasing run times and power output using novel electrochemical technologies in reliable thermal reserve batteries.				-	4.800	
Congressional Adds Subtotals				12.000	4.800	
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER5 / Indirect Fire and Fuze Technology
<p>D. Acquisition Strategy</p> <p>Fuze Technology Integration (FTI) will improve current production munitions by exploiting available fuzing technologies and integrating them into current fielded and/or production fuzes, providing safer, more producible, and more lethal fuzing solutions. FTI develops second source suppliers and resolves component obsolescence issues to mitigate risk and prevent production interruptions in order to continue to provide safer, more reliable munitions for the Warfighter with significant risk reduction to production fuzes also benefiting the U.S. Taxpayer. The effort is a continuation of studies, analysis, evaluations, and insertion of fuzing technologies and safe and arm devices in production and fielded fuzes. This program will implement these technologies into fuzing systems to preclude component obsolescence, maximize standardization, enhance performance, and improve the safety, producibility, reliability, and exportability of existing munitions. FTI utilizes both the competitively awarded DoD Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) to produce prototypes of the fuze technologies and devices, and Federal Acquisition Regulation (FAR) based contracts to implement proven efforts into production fuzes.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER5 / Indirect Fire and Fuze Technology					
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
Fuze Technology Integration Development	MIPR	DoD Ordnance Technology Consortium (DOTC) : Various	7.925	1.753	Nov 2023	1.321	Oct 2024	0.863	Oct 2025	-		0.863	0.000	11.862	-
FRAG-CT	MIPR	Leidos, Inc (Compotech) : Reston, VA	-	10.272	Nov 2024	2.700	Apr 2025	-		-		-	0.000	12.972	-
Advanced Thermal Batteries	Various	OTA : Various	-	-		1.800	Apr 2025	-		-		-	0.000	1.800	-
Subtotal			7.925	12.025		5.821		0.863		-		0.863	0.000	26.634	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
Fuze Technology Integration Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	7.949	0.341	Nov 2023	0.935	Oct 2024	1.389	Oct 2025	-		1.389	0.000	10.614	-
FRAG-CT Engineering and Contract Support	MIPR	Combat Capabilities Development Command Soldier Center (DEVCOM SC) : Natick, MA	-	0.300	Nov 2024	0.050	Apr 2025	-		-		-	0.000	0.350	-
FRAG-CT Engineering and Contract Support	MIPR	Combat Capabilities Development Command Armament Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	0.820	Nov 2024	0.200	Apr 2025	-		-		-	0.000	1.020	-
FRAG-CT Engineering and Contract Support	MIPR	Naval Surface Warfare Center	-	0.608	Nov 2025	0.050	Apr 2025	-		-		-	0.000	0.658	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs						Project (Number/Name) ER5 / Indirect Fire and Fuze Technology			
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
		Dahlgren Division (NSWCDD) : Dahlgren, VA													
Subtotal			7.949	2.069		1.235		1.389		-		1.389	0.000	12.642	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
Fuze Technology Integration Ballistic Testing	MIPR	Army Test and Evaluation Command (ATEC) : Yuma Proving Ground, AZ	0.738	0.050	May 2024	0.050	May 2025	0.050	Mar 2026	-		0.050	0.000	0.888	-
Subtotal			0.738	0.050		0.050		0.050		-		0.050	0.000	0.888	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			16.612	14.144		7.106		2.302		-		2.302	0.000	40.164	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army				Date: June 2025			
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs			
				Project (Number/Name) ER5 / Indirect Fire and Fuze Technology			

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
Fuze Technology Integration																												
Alternate Suppliers for Critical Fuzing Components																												
Proximity Sensor HWIL Countermeasures Testing Infrastructure																												
Electronic Time M213 Hand Grenade																												
M739A1 Spinlock Spring Redesigned for Automation																												
Medium Caliber Miniature Power Sources																												
Hand Grenade Fuze Modeling																												
Proximity Signal Processor ASIC Second Source - Mortar																												
Proximity Signal Processor ASIC Second Source - Medium Caliber																												
Extended Range Thermal MOFA Artillery Battery																												
Artillery Common ESAD																												
Tracking Proximity Technology																												
Hand Emplace/Grenade RM/BU Fuze																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs		Project (Number/Name) ER5 / Indirect Fire and Fuze Technology

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
Highly Configurable Munition (HIESAD/MEMS SAD)																												
XM1208 Setback Lock Upgrade																												
Medium Caliber Fuze Electronics Update																												
Cluster Munition Safety Improvements																												
Droppable Munition Safety & Reliability Improvements																												
Setback Generator Tester (SGT)																												
FRAG-CT Congressional Add																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) ER5 / <i>Indirect Fire and Fuze Technology</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Fuze Technology Integration	1	2017	4	2031
Alternate Suppliers for Critical Fuzing Components	1	2022	4	2031
Proximity Sensor HWIL Countermeasures Testing Infrastructure	1	2024	4	2026
Electronic Time M213 Hand Grenade	1	2023	4	2026
M739A1 Spinlock Spring Redesigned for Automation	1	2026	4	2027
Medium Caliber Miniature Power Sources	1	2024	4	2027
Hand Grenade Fuze Modeling	1	2026	4	2027
Proximity Signal Processor ASIC Second Source - Mortar	1	2026	4	2028
Proximity Signal Processor ASIC Second Source - Medium Caliber	1	2026	4	2028
Extended Range Thermal MOFA Artillery Battery	1	2027	4	2030
Artillery Common ESAD	1	2028	4	2030
Tracking Proximity Technology	1	2028	4	2030
Hand Emplace/Grenade RM/BU Fuze	1	2030	4	2031
Highly Configurable Munition (HIESAD/MEMS SAD)	1	2031	4	2031
XM1208 Setback Lock Upgrade	1	2029	4	2031
Medium Caliber Fuze Electronics Update	1	2031	4	2031
Cluster Munition Safety Improvements	1	2031	4	2031
Droppable Munition Safety & Reliability Improvements	1	2030	4	2031
Setback Generator Tester (SGT)	1	2026	4	2027
FRAG-CT Congressional Add	4	2024	2	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER6 / Direct Fire Technology			
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
ER6: Direct Fire Technology	-	41.486	11.754	3.048	-	3.048	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Direct Fire Technology funding will be used to support direct fire ammunition from small caliber ammunition, medium caliber ammunition and large caliber ammunition enhancements to lethality, effectiveness, survivability, accuracy and general product improvements. Fiscal Year (FY) 2026 funding supports a number of small caliber ammunition projects including improvements to training ammunition; improvements to make small caliber primers more environmentally friendly; optimization of handgun ammunition; exploring precision sniper improvements and continuing the effort to reduce Soldier load by developing lightweight ammunition. Improvements to medium caliber ammunition include lethality and safety enhancements including Counter Unmanned Aircraft System (C-UAS) technology. Improvements to 105mm and 120mm tank ammunition include examination and implementation of performance enhancement and improvements to tracer, combustible cartridge case and 105mm Advanced Multipurpose (AMP).

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

	FY 2024	FY 2025	FY 2026
Title: Small Caliber Ammunition Product Improvements	1.011	0.754	1.293
Description: Develop, demonstrate, and qualify improvements for 5.56mm, 7.62mm, .50 cal, Next Generation Squad Weapon ammunition, Precision Sniper ammunition and Handgun ammunition to achieve an increase in overall lethality and effectiveness.			
FY 2025 Plans: FY 2025 request supports development efforts for lightweight case .50 Caliber variant, continue material assessment, continue finalizing design, procure qualification sample, conduct qualification test.			
FY 2025 request supports an interim metallic solution development effort while developing the polymer case solution for lightweight case 7.62mm ammunition variant. FY 2025 will down-select to a single metallic solution, test polymer data, perform polymer aging study and material analysis, and conduct Lake City Army Ammunition Plant (LCAAP) impact study.			
FY 2026 Plans: FY 2026 request will support development efforts for polymer lightweight case .50 Caliber variant, conduct qualification test, and prepare fielding documentation.			
FY 2026 request will support an interim metallic solution development effort while developing the polymer case solution for lightweight case 7.62mm ammunition variant. FY 2026 will conduct Lake City Army Ammunition Plant (LCAAP) impact study and procure qualification sample.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER6 / Direct Fire Technology		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2026 will support 6.8mm steel case technology.				
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to increased opportunities to insert technical advancements into small caliber products.				
Title: Medium Caliber Ammunition Product Improvements Description: Develop, demonstrate, and qualify improvements for 20mm, 25mm, 30mm, and 40mm ammunition. 40mm M433E1 will improve lethality (fragmentation) of the M433 grenade. The 40mm M550 fuze replacement will replace the single stage fuze with a dual spinlock fuze to improve safety and performance reliability. Improve safety, performance and reliability issues on the 20mm M940 ammunition. FY 2025 Plans: FY 2025 funding supports continuing various 20mm, 30mm, 40mm ammunition improvement efforts, such as investigating safety, performance, reliability issues, and reducing barrel wear. Develop and demonstrate methods for increasing range, increasing system effectiveness through velocity correction, and improving point detonation sensitivity of the XM1166 cartridge. Develop, demonstrate and qualify an improved 40mm Smoke munition, including assessing current formulations compliance with environmental regulations and evaluating producibility of 40mm smoke munitions. Assess the potential to include a capability to obscure heat and Infra-Red (IR) signatures. FY 2026 Plans: FY 2026 funding supports continuing various 20mm, 30mm, 40mm ammunition improvement efforts, such as investigating safety, performance, reliability issues, and reducing barrel wear. Develop and demonstrate methods for increasing range, increasing system effectiveness through velocity correction, and improving point detonation sensitivity of the XM1166 cartridge. Develop, demonstrate and qualify an improved 40mm Smoke munition, including assessing current formulations compliance with environmental regulations and evaluating producibility of 40mm smoke munitions. Assess the potential to include a capability to obscure heat and Infra-Red (IR) signatures. Continue leveraging proximity technology in order to insert it into medium caliber products. Funding will support reduced ricochet efforts for Cannon Caliber Ammunition. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to increased opportunities to insert mature technical advancements into medium caliber products.		0.975	0.500	1.255
Title: Tank Ammunition Product Improvements Description: Develop and test potential improvements to 105mm and 120mm gun system ammunition. FY 2025 Plans:		-	0.500	0.500

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>		Project (Number/Name) ER6 / <i>Direct Fire Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
FY 2025 funding supports continuing various 105mm and 120mm tank ammunition improvement efforts, including tracer improvements, combustible cartridge case design and fabrication improvements, and continuing efforts to assess the 105mm Advanced Multipurpose (AMP) and 120mm AMP training cartridge/solution. Evaluate 105mm candidate cartridges, perform warhead lethality studies, modeling and simulation, conduct fuze assessment studies, perform propulsion system evaluation, assess fabrication improvements, and perform integration and testing of tank cartridges.					
FY 2026 Plans: FY 2026 funding supports continuing various 105mm and 120mm tank ammunition improvement efforts, including tracer improvements, combustible cartridge case design and fabrication improvements, and continuing efforts to assess the 105mm Advanced Multipurpose (AMP) and 120mm AMP training cartridge/solution. Evaluate 105mm candidate cartridges, perform warhead lethality studies, modeling and simulation, conduct fuze assessment studies, perform propulsion system evaluation, assess fabrication improvements, and perform integration and testing of tank cartridges.					
Accomplishments/Planned Programs Subtotals			1.986	1.754	3.048
			FY 2024	FY 2025	
Congressional Add: Stibnite and Antimony for Ammunition Production			10.500	10.000	
FY 2024 Accomplishments: Starting with ore extracted from a CONUS source, demonstrate an extraction and purification process to produce Antimony Sulfide that meets military specifications (MIL-DTL-159). Using modern extraction and purification technologies design and demonstrate a pilot scale line to produce natural or synthetic stibnite. FY 2024 funds support continuation of pilot scale operation and the creation of the transition and implementation plan for a full scale production line layout within the continental US.					
FY 2025 Plans: Starting with ore extracted from a continental United States source, demonstrate an extraction and purification process to produce Antimony Sulfide that meets military specifications (MIL-DTL-159). Using modern extraction and purification technologies design and demonstrate a pilot scale line to produce natural or synthetic stibnite. FY 2025 funds support continuation of pilot scale operation and the creation of the transition and implementation plan for a full scale production line layout within the continental United States.					
Congressional Add: Lightweight Ammunition Manufacturing Resilience			5.000	-	
FY 2024 Accomplishments: Develop, evaluate and mature manufacturing processes for lightweight munitions.					
Congressional Add: Refractory Metal Alloys for Hypersonics			10.000	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>	Project (Number/Name) ER6 / <i>Direct Fire Technology</i>	
		FY 2024	FY 2025
FY 2024 Accomplishments: Design, develop, and integrate refractory metal alloy (RMA) compositions and processes to meet the unique and challenging requirements of hypersonic applications. Assess meeting current and future application requirements by optimizing quality control of existing materials systems and by exploring new alloy formulations. Material developments will focus on manufacturability and producibility for reduced transition risk to the defense industrial base.			
Congressional Add: Smart Manufacturing for Armaments FY 2024 Accomplishments: Develop non-contact, in-line, automated dimensional inspection to complement the non-contact visual flaw detection developed under the FY23 add for cold and hot inspection of artillery forgings. This will also integrate Artificial Intelligence to make the pass/fail decisions. Develop automated serialization system than can follow the ammunition component through out it's manufacturing process within the production facilities from 155mm projectile forging through Load, Assemble, and Pack (LAP). This will enable the tracking of data associated with each single part tracking from forging through LAP.		5.000	-
Congressional Add: Printed Electronics FY 2024 Accomplishments: Utilize 10 USC 2368 authority to enhance Army's Printed Electronics Energetics Materials and Sensors (PEEMS) Innovation Center to design, develop, and integrate Printed Electronics for Producibility that employs the use of cost-effective prototyping and fabrication techniques for the manufacture of flexible circuits, power sources, sensors, energy harvesting systems, antennas, and electronic components to increase force effectiveness and reduce operations and support costs. Materials, Equipment, Techniques & Processes for effective integration of flexible hybrid & printed electronics with energetics for munition systems. Develop and enhance methodologies for assessing the survivability, effectiveness and reliability of these systems. Reduce manufacturing cost, improved designs and volume optimization, affordable sensors/electronics for munitions.		9.000	-
Congressional Adds Subtotals		39.500	10.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER6 / Direct Fire Technology

D. Acquisition Strategy

The acquisition strategy for small, medium and large caliber product improvements is that all contracts are full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER6 / Direct Fire Technology					
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
Lightweight Ammunition Manufacturing Resilience Contract 1	C/FFP	PCP Tactical, LLC : Vero Beach, Florida	-	2.951	Dec 2024	-		-		-		-	0.000	2.951	-
Lightweight Ammunition Manufacturing Resilience Contract 2	C/FFP	Olin Winchester Lake City Army Ammunition Plant : Independence, Missouri	-	0.285	Jan 2025	-		-		-		-	0.000	0.285	-
Smart Manufacturing for Armaments Contract	C/FFP	Edison Welding Institute : Columbus, Ohio	4.500	4.500	Aug 2024	-		-		-		-	0.000	9.000	-
Refractory Metal Alloys for Hypersonics Manufacturing contract	C/FFP	Elmet Technology : Lewiston, Maine	8.500	8.599	Dec 2024	-		-		-		-	0.000	17.099	-
Refractory Metal Alloys for Hypersonics Prototyping contract	C/FFP	Samyak Solutions, Inc. : Centreville, Virginia	0.500	0.300	Oct 2024	-		-		-		-	0.000	0.800	-
Antimony Sulfide proof of concept contract	C/CPFF	Perpetua Resources : Boise, Idaho	8.000	7.384	Nov 2024	-		-		-		-	0.000	15.384	-
Antimony Sulfide contract	C/CPFF	Perpetua Resources : Boise, Idaho	-	2.844	Mar 2025	9.500	Aug 2025	-		-		-	0.000	12.344	-
Printed Electronics	C/FFP	TBD : TBD	4.500	5.148	Jul 2025	-		-		-		-	0.000	9.648	-
Printed Electronics contract	C/FFP	New Jersey Innovation Institution Collaborative Operationalized Manufacturing Engineering and Training (COMET) : Landing, New Jersey	-	1.500	Jan 2025	-		-		-		-	0.000	1.500	-
Green Primer Contract	C/FFP	Concurrent Technologies Corporation	1.500	0.250	May 2024	-		-		-		-	0.000	1.750	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / <i>Weapons and Munitions Product Improvement Programs</i>						Project (Number/Name) ER6 / <i>Direct Fire Technology</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
		(CTC) : Johnstown, Pennsylvania													
Subtotal			27.500	33.761		9.500		-		-		-	0.000	70.761	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 - Small, Medium & Large Caliber	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	16.719	1.000	Dec 2023	0.754	Nov 2024	1.200	Nov 2025	-		1.200	Continuing	Continuing	Continuing
Engineering Support - Antimony Sulfide	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	2.000	0.273	Oct 2024	0.500	Aug 2025	-		-		-	0.000	2.773	-
Engineering Support - Metal Alloys for Hypersonics	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	1.000	1.070	Aug 2024	-		-		-		-	0.000	2.070	-
Engineering Support - Smart Manufacturing	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	0.500	0.500	Jul 2024	-		-		-		-	0.000	1.000	-
Engineering Support - Printed Electronics	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	0.500	2.250	Jul 2024	-		-		-		-	0.000	2.750	-
Engineering Support - Lightweight Ammunition Manufacturing Resilience	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, New Jersey	-	0.300	Oct 2024	-		-		-		-	0.000	0.300	-
Subtotal			20.719	5.393		1.254		1.200		-		1.200	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs				Project (Number/Name) ER6 / Direct Fire Technology					
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
ARL Test Support Small Medium & Large Caliber	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	6.323	0.130	Nov 2024	0.500	Mar 2025	0.592	Nov 2025	-		0.592	Continuing	Continuing	Continuing
ATC Test Support Small Medium & Large Caliber	MIPR	Aberdeen Test Center (ATC) : Aberdeen, Maryland	4.098	-		0.500	Mar 2025	1.000	Mar 2026	-		1.000	0.000	5.598	-
ATC Test Support - Lightweight Ammunition Manufacturing Resilience	MIPR	Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	1.050	Jul 2025	-		-		-		-	0.000	1.050	-
Dahlgren Test Support - 25mm Proximity Fuze	MIPR	Naval Surface Warfare Center (NSWC) : Dahlgren, Virginia	-	0.367	Oct 2024	-		-		-		-	0.000	0.367	-
Tooele Demilitarization Study .50 cal Lightweight Case	MIPR	Tooele Army Depot : Tooele, Utah	-	0.100	Mar 2024	-		-		-		-	0.000	0.100	-
Developmental Testing - Small & Medium Calibers	MIPR	US Army Maneuver Center of Excellence - Maneuver Battle Lab : Fort Moore, Georgia	-	0.510	Jul 2025	-		0.256	Mar 2026	-		0.256	0.000	0.766	-
Downselect Testing - Lightweight Case for Small Caliber Ammunition	MIPR	Ballistic Support Office at Lake City Army Ammunition Plant (LCAAP) : Independence, Missouri	-	0.175	Oct 2024	-		-		-		-	0.000	0.175	-
Subtotal			10.421	2.332		1.000		1.848		-		1.848	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			58.640	41.486		11.754		3.048		-		3.048	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025													
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs										Project (Number/Name) ER6 / Direct Fire Technology									
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 Caliber Ammunition Product Improvements																													
	Small Caliber Ammunition Product Improvements																												
Medium Caliber Ammunition Product Improvements																													
	Medium Caliber Ammunition Product Improvements																												
Tank Ammunition Product Improvements																													
	Tank Ammunition Product Improvements																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607131A / Weapons and Munitions Product Improvement Programs	Project (Number/Name) ER6 / Direct Fire Technology	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Small Caliber Ammunition Product Improvements	1	2018	4	2033
Medium Caliber Ammunition Product Improvements	1	2018	4	2033
Tank Ammunition Product Improvements	1	2018	4	2033

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					PE 0607136A / Blackhawk Product Improvement Program							
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	-	40.923	125.000	23.998	-	23.998	-	-	-	-	-	-
ES3: Blackhawk Product Improvement Program	-	40.923	125.000	23.998	-	23.998	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This funding line is a key enabler of the Army's development and modernization priorities in support of the H-60 Black Hawk helicopter. The program develops, tests, qualifies, and integrates the next generation capability for integration and implementation to the H-60 fleet to increase combat capability and reduce cognitive workload. The two overarching efforts are digital backbone and airframe enhancements. The digital backbone design supports rapid integration of future capabilities that align with Future Vertical Lift (FVL) Family of Systems (FoS), as well as airframe enhancements aligned with Launched Effects (LE).

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	1.507	25.000	27.000	-	27.000
Current President's Budget	40.923	125.000	23.998	-	23.998
Total Adjustments	39.416	100.000	-3.002	-	-3.002
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	39.507	100.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.036	-			
• SBIR/STTR Transfer	-0.055	-			
• Adjustments to Budget Years	-	-	-3.002	-	-3.002

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: ES3: Blackhawk Product Improvement Program

Congressional Add: UH-60 Black Hawk Main Rotor Blade Modernization

Congressional Add: Blade Integrity

Congressional Add: Block II Development

Congressional Add: Black Hawk Modernization

Congressional Add Subtotals for Project: ES3

FY 2024	FY 2025
10.507	-
7.500	-
21.500	-
-	100.000
39.507	100.000

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0607136A I Blackhawk Product Improvement Program	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add Totals for all Projects		39.507	100.000
Change Summary Explanation FY26 decrease from the previous PB is due to the reduction in the development and fielding of modernization initiatives for the H-60 Black Hawk.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607136A / Blackhawk Product Improvement Program				Project (Number/Name) ES3 / Blackhawk Product Improvement Program			
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
ES3: Blackhawk Product Improvement Program	-	40.923	125.000	23.998	-	23.998	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line is a key enabler of the Army's development and modernization priorities in support of the H-60 Black Hawk helicopter. The program develops, tests, qualifies, and integrates the next generation capability for integration and implementation to the H-60 fleet to increase combat capability and reduce cognitive workload. The two overarching efforts are digital backbone and airframe enhancements. The digital backbone design supports rapid integration of future capabilities that align with Future Vertical Lift (FVL) Family of Systems (FoS), as well as airframe enhancements aligned with Launched Effects (LE).

Fiscal Year 2026 Base funding will be utilized for the digital backbone design and airframe enhancements in support of launched effects.

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

	FY 2024	FY 2025	FY 2026
Title: Programmatic Support	1.361	1.976	1.020
Description: The Utility Helicopter Project Office (UHPO) is responsible for program management activities to include, the execution of all development and modernization efforts in support of the H-60 Black Hawk helicopter.			
FY 2025 Plans: The Utility Helicopters Project Office (UHPO) is funding program management support that includes government agencies, contractor support, and other matrix organizations in support of H-60 Black Hawk platform development, modernization, design, Integrated Logistics Support (ILS), system readiness, airworthiness, and cybersecurity.			
FY 2026 Plans: The Utility Helicopters Project Office (UHPO) is funding program management support that includes government agencies, contractor support, and other matrix organizations in support of H-60 Black Hawk platform development, modernization, design, Integrated Logistics Support (ILS), system readiness, airworthiness, and cybersecurity.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 funding increase due to updated RDTE profile based on Army decision to develop and modernize the H-60 Black Hawk fleet. FY 2026 funding decrease due to changes occurring from the Army Transformation Initiative.			
Title: Digital Backbone	-	5.756	9.848

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607136A / Blackhawk Product Improvement Program		Project (Number/Name) ES3 / Blackhawk Product Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: The Scalable Digital Backbone includes the open standard hardware and software components supporting the modularity, portability, and commonality required to meet U.S. Army MOSA objectives for rapid insertion of capability and component upgrades across legacy and new systems.</p> <p>FY 2025 Plans: The Utility Helicopter Project Office (UHPO) will continue to work the development of the Scalable Digital Backbone with focus on the open standard hardware and software components supporting the modularity, portability, and commonality required to meet U.S. Army MOSA objectives. This effort will support the development of the Product Baseline System Model (PBSM), which includes the Software Requirements Specifications, Component Initial Capabilities Document (ICD), Component Interface Design Description (IDD), Software Design Description, Database Design Description, and Component Interface Requirements Specifications. Funding will continue to move the DBB closer to Preliminary Design Review (PDR) and Critical Design Review (CDR) for the H-60M platform. The digital backbone effort is being accomplished in conjunction with the airframe structural enhancements in support of H-60 modernization and includes a sensitivity analysis to understand key drivers for modernization capabilities and integration with legacy components within the aircraft.</p> <p>FY 2026 Plans: The Utility Helicopter Project Office (UHPO) will continue to work the development of the Scalable Digital Backbone with focus on the open standard hardware and software components supporting the modularity, portability, and commonality required to meet U.S. Army MOSA objectives. This effort will support the development of the Product Baseline System Model (PBSM), which includes the Software Requirements Specifications, Component Initial Capabilities Document (ICD), Component Interface Design Description (IDD), Software Design Description, Database Design Description, and Component Interface Requirements Specifications. Funding will continue to move the DBB closer to Preliminary Design Review (PDR) and Critical Design Review (CDR) for the H-60M platform. The digital backbone effort is being accomplished in conjunction with the airframe structural enhancements in support of H-60 modernization and includes a sensitivity analysis to understand key drivers for modernization capabilities and integration with legacy components within the aircraft.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY2026 funding changes due to updated RDTE profile based on Army guidance.</p>					
<p>Title: Airframe Enhancements For Launched Effects Development/NRE</p> <p>Description: The Airframe Enhancements will perform a sensitivity analysis, design, and qualify the necessary enhancements to support incorporation of the Launched Effects (LE) capability onto the UH-60 platform.</p> <p>FY 2025 Plans:</p>			-	17.268	13.130

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607136A / <i>Blackhawk Product Improvement Program</i>	Project (Number/Name) ES3 / <i>Blackhawk Product Improvement Program</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>The Airframe Enhancements for Launched Effects Development will align with Congressional Intent and current Utility Helicopter Project Office (UHPO) requirements by focusing on the sensitivity analysis and design. This analysis will evaluate the overall design space for aircraft changes that will optimize aircraft Design Gross Weight (DGW) around future growth provisions, including envisioned technology insertion and Launched Effects (LE). This funding will continue to push the design efforts closer to Preliminary Design Review (PDR) and Critical Design Review (CDR) for the H-60M platform. The airframe structural enhancements effort is being accomplished in conjunction with the digital backbone in support of H-60 modernization and includes a sensitivity analysis to understand key drivers for modernization capabilities and integration with legacy components within the aircraft.</p> <p>FY 2026 Plans: The Airframe Enhancements for Launched Effects Development will align with Congressional Intent and current Utility Helicopter Project Office (UHPO) requirements by focusing on the sensitivity analysis and design. This analysis will evaluate the overall design space for aircraft changes that will optimize aircraft Design Gross Weight (DGW) around future growth provisions, including envisioned technology insertion and Launched Effects (LE). This funding will continue to push the design efforts closer to Preliminary Design Review (PDR) and Critical Design Review (CDR) for the H-60M platform. The airframe structural enhancements effort is being accomplished in conjunction with the digital backbone in support of H-60 modernization and includes a sensitivity analysis to understand key drivers for modernization capabilities and integration with legacy components within the aircraft.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY2026 funding changes due to updated RDTE profile based on Army guidance. Reduction in FY26 base funding resulted in decreased scope to this effort.</p>			
<p>Title: SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC §638.</p>		0.055	-
Accomplishments/Planned Programs Subtotals		1.416	25.000
		FY 2024	FY 2025
Congressional Add: UH-60 Black Hawk Main Rotor Blade Modernization		10.507	-
<p>FY 2024 Accomplishments: Aligning with Congressional Intent and current Utility Helicopter Project Office (UHPO) requirements, this program is focused on:</p> <ul style="list-style-type: none"> -Continued development, testing and evaluation of a main rotor blade that will replace the current wide chord main rotor blade -Fabricate tools for production of prototype blades 			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607136A / <i>Blackhawk Product Improvement Program</i>	Project (Number/Name) ES3 / <i>Blackhawk Product Improvement Program</i>	
		FY 2024	FY 2025
-Perform research, development, testing, and evaluation of materials that minimize erosion, corrosion, abrasion and wear on critical aircraft surfaces			
Congressional Add: Blade Integrity FY 2024 Accomplishments: Aligning with Congressional Intent and current Utility Helicopter Project Office (UHPO) requirements, this program is focused on: -Continued development, testing and evaluation of a non-destructive inspection method and device that will replace the current Blade Inspection Method (BIM) system on legacy main rotor blades -Field research related to current H-60 corrosion, erosion and wear. -Perform research, development, testing, and evaluation of materials that minimize erosion, corrosion, abrasion and wear on critical aircraft surfaces.		7.500	-
Congressional Add: Block II Development FY 2024 Accomplishments: In line with Congressional language, the Utility Helicopters Project Office (UHPO) conducted a sensitivity analysis with Sikorsky in order to lay out the foundation for Black Hawk Modernization aimed at design efforts for airframe enhancements in support of Launched Effects (LE) as well as conceptual and preliminary design of Digital Backbone (DB). These airframe enhancements will allow the Black Hawk to launch large LE, increase effective mission loads, and increase fuel capacity. The digital backbone design supports rapid integration of future capabilities that align with Future Vertical Lift (FVL), Family of Systems (FOS), as well as LE.		21.500	-
Congressional Add: Black Hawk Modernization FY 2025 Plans: As a continuation of FY24 efforts, the congressional add plans to accelerate the development and fielding of modernization initiatives for the H-60 Black Hawk. Execute development and modernization efforts in accordance with the Army's goal to integrate emerging technology that enhances the Black Hawk fleet. Prioritizing new and innovative capabilities such as autonomous flight is one of the primary focal points for the H-60 platform. The plan includes executing funding with Sikorsky contracts as well as other supplemental vehicles through Other Transaction Authority (OTA) and MIPRs to various government agencies, to promote innovation, increase flexibility, and obligate funding to meet all funding milestones. The goal for the H-60 Black Hawk team is to field a more advanced fleet while continuously adapting to facilitate emerging technology as well as complementing FLRAA initiatives.		-	100.000
Congressional Adds Subtotals		39.507	100.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607136A / <i>Blackhawk Product Improvement Program</i>	Project (Number/Name) ES3 / <i>Blackhawk Product Improvement Program</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy Digital Backbone and Airframe Enhancements for Launched Effects development/NRE will be developed and qualified through an Engineering Services contract with Lockheed Martin/Sikorsky (Prime Contractor) located in Stratford, Connecticut. Main Rotor Blade Modernization - Work will be performed in Fort Worth, Texas utilizing the Aviation and Missile Technology Consortium (AMTC) Other Transaction Authority (OTA) contract vehicle. Blade Integrity - Work is anticipated to be conducted in Locust, North Carolina utilizing the Aviation and Missile Technology Consortium (AMTC) Other Transaction Authority (OTA) contract vehicle.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607136A / <i>Blackhawk Product Improvement Program</i>						Project (Number/Name) ES3 / <i>Blackhawk Product Improvement Program</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
SBIR/STTR Transfer	TBD	Various : Various	-	0.055		0.913		-		-		-	0.000	0.968	-
Subtotal			-	0.055		0.913		-		-		-	0.000	0.968	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
Airframe Structural Improvements For Launched Effects Development/NRE	Option/ IDIQ	Sikorsky : Stratford, Connecticut	-	-		17.268	Jun 2025	13.130		-		13.130	0.000	30.398	-
UH-60 Black Hawk Main Rotor Blade Modernization	Option/ IDIQ	IAC Limited : Fort Worth, TX	-	10.507		-		-		-		-	0.000	10.507	-
Blade Integrity	Option/ IDIQ	United Protective Technologies : Locust, NC	-	7.500		-		-		-		-	0.000	7.500	-
Digital Backbone	Option/ IDIQ	Sikorsky : Stratford, Connecticut	-	-		5.756	Jun 2025	9.848		-		9.848	0.000	15.604	-
Block II Development	SS/IDIQ	Sikorsky : Stratford, Connecticut	-	21.500		-		-		-		-	0.000	21.500	-
Black Hawk Modernization	Various	Various : Multiple Locations	-	-		100.000		-		-		-	0.000	100.000	-
Subtotal			-	39.507		123.024		22.978		-		22.978	0.000	185.509	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
Programmatic Support	Various	PEO Aviation : Redstone Arsenal, AL	1.414	1.361	Dec 2023	1.063		1.020		-		1.020	0.000	4.858	-
Subtotal			1.414	1.361		1.063		1.020		-		1.020	0.000	4.858	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607136A / Blackhawk Product Improvement Program				Project (Number/Name) ES3 / Blackhawk Product Improvement Program					
		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		1.414	40.923		125.000		23.998		-		23.998	0.000	191.335	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607136A / Blackhawk Product Improvement Program		Project (Number/Name) ES3 / Blackhawk Product Improvement Program	

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
Digital Backbone																												
Airframe Enhancements For Launched Effects Development/NRE																												
UH-60 Black Hawk Main Rotor Blade Modernization																												
Blade Integrity																												
Block II Development																												
Black Hawk Modernization																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607136A / Blackhawk Product Improvement Program	Project (Number/Name) ES3 / Blackhawk Product Improvement Program	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Digital Backbone	4	2024	4	2029
Airframe Enhancements For Launched Effects Development/NRE	4	2024	4	2029
UH-60 Black Hawk Main Rotor Blade Modernization	4	2024	4	2025
Blade Integrity	4	2024	4	2025
Block II Development	4	2024	4	2025
Black Hawk Modernization	4	2025	4	2027

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607137A I Chinook Product Improvement Program							
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	-	20.386	4.816	10.859	-	10.859	-	-	-	-	-	-
ES4: Chinook Product Improvement Program	-	20.386	4.816	10.859	-	10.859	-	-	-	-	-	-
Program MDAP/MAIS Code: 577												
A. Mission Description and Budget Item Justification												
NOTE: The increase in funding from FY2025 to FY2026 is required to complete production configuration flight testing to qualify the CH-47F Block II as described in paragraph three (3) below.												
Program Element (PE) 0607137A Chinook Product Improvement Helicopter Program is critical to achieving heavy lift capability in support of Transformation in Contact (TiC) and Continuous Transformation objectives. The CH-47F Block II helicopter, with an increased payload and operational reach, is the only platform that can lift the Joint Light Tactical Vehicle (JLTV), M777 and medium girder bridge to enable the TiC Forces to Compete, Penetrate, Disintegrate, and Exploit at operationally relevant distances.												
CH-47 Modernization Product Management Office includes the Block II acquisition program that upgrades existing CH-47F aircraft and procures common hardware between the CH-47F and MH-47G aircraft. The CH-47F Block II program reduces Operating and Support (O&S) costs, increases maximum gross weight to 54,000 pounds, provides additional capability to the field with greater reach, and increases payload capability. CH-47F Block II upgrades improve the aircraft's safety and reliability with a strengthened airframe, and improvements to the rotor, fuel and electrical systems. The CH-47F Block II program includes updates to software packages, Common Avionics Architecture System (CAAS), Digital Advanced Flight Control System (DAFCS), and incorporates other avionics changes introduced into the final CH-47F Block I production lots. In addition to providing significant increased capability to the field, the program includes provisions for anticipated future upgrades, and weight and cost savings initiatives. The increased capabilities ensure the TiC has a platform with the flexibility and performance necessary to meet the needs of current and future operations.												
The Cargo Project Management Office awarded the CH-47F Block II Engineering and Manufacturing Development (EMD) contract in July 2017. The EMD phase produced three production representative test articles to support a Production Decision. This phase includes contractor and government led ground and flight system level qualification testing, which requires Electromagnetic Environmental Effects (E3), operation assessments, and aircraft subsystem Live-Fire Test and Evaluation (LFTE). System Level testing is required to complete an Operational Assessment and Material Release (MR).												

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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 7: Operational Systems Development		PE 0607137A I Chinook Product Improvement Program			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	9.265	4.816	12.599	-	12.599
Current President's Budget	20.386	4.816	10.859	-	10.859
Total Adjustments	11.121	0.000	-1.740	-	-1.740
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-3.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	14.500	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.150	-			
• SBIR/STTR Transfer	-0.229	-			
• Adjustments to Budget Years	-	-	-1.740	-	-1.740
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2024	FY 2025
Project: ES4: Chinook Product Improvement Program					
Congressional Add: Reliability, Availability and Maintainability (RAM) Improvements				5.000	-
Congressional Add: CH-47 Qualification				2.000	-
Congressional Add: Engine Enhancement				7.500	-
Congressional Add Subtotals for Project: ES4				14.500	-
Congressional Add Totals for all Projects				14.500	-
Change Summary Explanation					
The increase in funding from FY2025 to FY2026 is required to complete production configuration flight testing in order to qualify the CH-47F Block II.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program				Project (Number/Name) ES4 / Chinook Product Improvement Program			
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
ES4: Chinook Product Improvement Program	-	20.386	4.816	10.859	-	10.859	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

NOTE: The increase in funding from FY2025 to FY2026 is required to complete production configuration flight testing to qualify the CH-47F Block II as described in paragraph three (3) below.

Program Element (PE) 0607137A Chinook Product Improvement Helicopter Program is critical to achieving heavy lift capability in support of Transformation in Contact (TiC) and Continuous Transformation objectives. The CH-47F Block II helicopter, with an increased payload and operational reach, is the only platform that can lift the Joint Light Tactical Vehicle (JLTV), M777 and medium girder bridge to enable the TiC Forces to Compete, Penetrate, Disintegrate, and Exploit at operationally relevant distances.

CH-47 Modernization Product Management Office includes the Block II acquisition program that upgrades existing CH-47F aircraft and procures common hardware between the CH-47F and MH-47G aircraft. The CH-47F Block II program reduces Operating and Support (O&S) costs, increases maximum gross weight to 54,000 pounds, provides additional capability to the field with greater reach, and increases payload capability. CH-47F Block II upgrades improve the aircraft's safety and reliability with a strengthened airframe, and improvements to the rotor, fuel and electrical systems. The CH-47F Block II program includes updates to software packages, Common Avionics Architecture System (CAAS), Digital Advanced Flight Control System (DAFCS), and incorporates other avionics changes introduced into the final CH-47F Block I production lots. In addition to providing significant increased capability to the field, the program includes provisions for anticipated future upgrades, and weight and cost savings initiatives. The increased capabilities ensure the TiC has a platform with the flexibility and performance necessary to meet the needs of current and future operations.

The Cargo Project Management Office awarded the CH-47F Block II Engineering and Manufacturing Development (EMD) contract in July 2017. The EMD phase produced three production representative test articles to support a Production Decision. This phase includes contractor and government led ground and flight system level qualification testing, which requires Electromagnetic Environmental Effects (E3), operation assessments, and aircraft subsystem Live-Fire Test and Evaluation (LFTE). System Level testing is required to complete an Operational Assessment and Material Release (MR).

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

	FY 2024	FY 2025	FY 2026
Title: Matrix and Contractor Support	0.591	-	-
Description: This funding provides support costs for various government agencies, contractor support and matrix organizations supporting the Block II Engineering and Manufacturing Development (EMD) program with systems engineering, test support, airworthiness certification, project management, general engineering, logistics, and business support.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program	Project (Number/Name) ES4 / Chinook Product Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Title: Testing and Evaluation</p> <p>Description: This effort supports component and system level testing to qualify design improvements in the airframe, fuel system, avionics, drive train, and rotor subsystem. Block II improvements are validated through component endurance, testing of Improved Drive Train (IDT), Improved Rotor System (IRS), Live Fire Test and Evaluation (LFTE), Electromagnetic Environmental Effects (E3), and future test activities.</p> <p>FY 2025 Plans: Enter into Safety of Flight (SOF) testing for Aviation Survivability Equipment (ASE) and Aviation Mission Systems and Architecture (AMSA) equipment. Conduct Electromagnetic Environmental Effects (E3) testing on the production representative aircraft followed by handling qualities testing. Provide continued engineering support for any issues or challenges encountered during system level testing.</p> <p>FY 2026 Plans: Finalize all system level qualification testing for the production aircraft. Use engineering support and mitigations for technical challenges discovered during qualification testing and Modification Work Order (MWO) installations. Incorporate mitigation and improvements onto the production aircraft. Finish system level validation and verification of production aircraft configuration. Complete testing of MWOs: ASE, Multi-Anti Jamming GPS Antenna (MAGNA), Eagle M Embedded Global Initial (EGI) navigation system, E3 testing, CAAS and DAFCS software testing, and improved system handling qualities and fielding.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to increased costs associated with the completion of system level validation and verification.</p>		5.295	2.561	10.035
<p>Title: System Support</p> <p>Description: Conduct design, system engineering, fabrication, and Integrated Logistic Support (ILS) to support production aircraft configuration, corrective hardware and software actions that are required to address technical challenges identified in the EMD phase. Conduct publications requirements update and verification efforts resulting from CH-47F Block II system configuration change from Advanced Chinook Rotor Blade (ACRB) to Fiberglass Rotor Blades (FRB). Support test efforts to improve production aircraft operational availability and reduce maintenance costs. Conduct modifications of production aircraft and other test assets to support component and system level testing events. Implement corrective hardware and software actions that are required to address technical challenges identified during testing of the production aircraft. Perform system level verification and validation of production aircraft configuration. Deliver documentation in support of a material release that enables system fielding.</p> <p>FY 2025 Plans:</p>		-	2.255	0.824

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 7			R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program			Project (Number/Name) ES4 / Chinook Product Improvement Program					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
Continued development of the mission planning software to support SIL testing. Qualification of the GFE items for performance improvements to the CH-47 Block II for Lot 3. Provide development and engineering support of Cargo Engineering Analysis Cockpit (CH-EAC) for evaluation of software and avionics impacts affecting pilot workload. FY 2026 Plans: Completion of additional requirements for Contract Data Requirement List (CDRL) document resubmittals and revisions necessary for airworthiness approval of the production aircraft. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to completion of performance improvements.											
Accomplishments/Planned Programs Subtotals							5.886	4.816	10.859		
						FY 2024	FY 2025				
Congressional Add: Reliability, Availability and Maintainability (RAM) Improvements FY 2024 Accomplishments: FY2024 Congressional funding will increase program reliability, availability, and maintainability improvements.						5.000	-				
Congressional Add: CH-47 Qualification FY 2024 Accomplishments: FY2024 Congressional funding will increase program CH-47 qualification.						2.000	-				
Congressional Add: Engine Enhancement FY 2024 Accomplishments: FY2024 Congressional funding will increase program engine enhancements.						7.500	-				
Congressional Adds Subtotals						14.500	-				
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
• A05105: CH-47 SLEP	442.823	699.698	680.219	-	680.219	-	-	-	-	-	-
Remarks											
FY 2020 A05008 OCO is for Army Common MH-47G New Build War Replacement Aircraft Block II procurement.											
FY 2021 A05008 OCO is for CH-47F New Build War Replacement Aircraft Block I procurement.											
FY 2020 A05105 All Funding is for Army Common MH-47G RENEW Aircraft Block II procurement.											
FY 2021 A05105 Funding is for 6 Army Common MH-47G RENEW Aircraft Block II procurement.											
FY 2021 A05105 Funding is for 4 CH-47F RENEW Aircraft Block II procurement.											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607137A / <i>Chinook Product Improvement Program</i>	Project (Number/Name) ES4 / <i>Chinook Product Improvement Program</i>	

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>OOC</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>
FY 2022 A05105 Funding is for 6 Army Common MH-47G RENEW Aircraft Block II procurement.											
FY 2022 A05105 Funding is for 2 CH-47F RENEW Aircraft Block II procurement.											
FY 2023 A05105 Funding is for 4 Army Common MH-47G RENEW Aircraft Block II procurement.											
FY 2023 A05105 Funding is for 3 CH-47F RENEW Aircraft Block II procurement.											
FY 2024 A05105 Funding is for 5 Army Common MH-47G RENEW Aircraft Block II procurement and 1 Congressional add War Replacement Aircraft (WRA).											
FY 2024 A05105 Funding is for 3 CH-47F RENEW Aircraft Block II procurement.											
FY 2025 A05105 Funding is for 5 Army Common MH-47G RENEW Aircraft Block II procurement											
FY 2025 A05105 Funding is for 6 CH-47F RENEW Aircraft Block II procurement.											
FY 2026 A05105 Funding is for 5 Army Common MH-47G RENEW Aircraft Block II procurement											
FY 2026 A05105 Funding is for 6 CH-47F RENEW Aircraft Block II procurement.											

D. Acquisition Strategy

Inducted CH-47F Block I aircraft receive consolidated separate engineering change proposals for a single CH-47F Block II upgrade, which provides an increased maximum gross weight of 54,000 pounds. The CH-47F Block II program provides additional benefits to increase commonality and interoperability between the two platforms, improve design life, lower maintenance cost, enhance reliability, safety, airworthiness, and cybersecurity. The CH-47F Block II program restores payload lost through mission equipment package (MEP) growth. It enhances flight control systems, while providing the most effective procurement alternative to maintain heavy lift capability and reduce Operation and Support (O&S) costs.

Quantity of RDT&E Articles:

FY 2017 - Awarded: 1 - Ground Test Vehicle (GTV) and 3 - CH-47F Block II Prototypes

FY 2019 - Delivered: 1 - GTV and 1 - CH-47F Block II Prototype

FY 2020 - Delivered: 1 - CH-47F Block II Prototype

FY 2023 - Delivered: 1 - CH-47F Block II Prototype

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program				Project (Number/Name) ES4 / Chinook Product Improvement Program					
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 Support	SS/ Various	Boeing : Ridley Park PA and Various Government	34.704	-		2.255	Aug 2025	0.824	Oct 2025	-		0.824	Continuing	Continuing	Continuing
Congressional Add Program Increase Reliability, Availability and Maintainability Improvements RAM	MIPR	Redstone Test Center (RTC); Systems Readiness Division : Redstone Arsenal, AL	-	5.000	Oct 2024	-		-		-		-	0.000	5.000	-
Congressional Add Program Increase CH-47 Qualification	MIPR	Redstone Test Center (RTC); Systems Readiness Division : Redstone Arsenal, AL	-	2.000	Oct 2024	-		-		-		-	0.000	2.000	-
Congressional Add Program Increase Engine Enhancement	MIPR	PEO Aviation, Aviation Turbine Engines Project Office : Redstone Arsenal, AL	-	7.500	Oct 2024	-		-		-		-	0.000	7.500	-
Subtotal			34.704	14.500		2.255		0.824		-		0.824	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 Support	Various	Various Government and Contractor Support : RSA,Huntsville, AL & Aberdeen Proving Ground MD,	47.093	0.591	Oct 2023	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			47.093	0.591		-		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program					Project (Number/Name) ES4 / Chinook Product Improvement Program				
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 and Evaluation	Various	Boeing Ridley : Park PA and Various Government	93.027	5.295	Nov 2023	2.561	Aug 2025	10.035	Jun 2026	-		10.035	Continuing	Continuing	Continuing
Subtotal			93.027	5.295		2.561		10.035		-		10.035	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			174.824	20.386		4.816		10.859		-		10.859	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607137A / Chinook Product Improvement Program		Project (Number/Name) ES4 / Chinook Product Improvement Program	

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
CH-47F Block II EMD																												
CH-47F Block II EMD																												
Program Support																												
Program Support																												
System Support FY25																												
System Support																												
Testing and Evaluation																												
Testing and Evaluation																												
Production Decision																												
Ch-47F Block II																												
Initial Operational Test & Evaluation																												
System Level Test																												
System Level Test																												
First Unit Equipped (FUE)																												
First Unit Equipped																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607137A / <i>Chinook Product Improvement Program</i>	Project (Number/Name) ES4 / <i>Chinook Product Improvement Program</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone B	3	2017	3	2017
Transportable Flight Proficiency Simulator (TFPS)	2	2018	4	2020
Advanced Chinook Rotor Blade (ACRB)	1	2011	4	2021
Improved Drive Train (IDT)	3	2014	4	2021
System Support	3	2022	4	2023
CH-47F Block II EMD	4	2017	4	2024
Program Support	1	2017	4	2024
System Support FY25	1	2025	3	2027
Testing and Evaluation	3	2015	4	2030
Production Decision	4	2025	4	2025
Operational Assessment	1	2026	2	2027
System Level Test	3	2025	4	2026
First Unit Equipped (FUE)	4	2028	4	2028

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607139A I Improved Turbine Engine Program							
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	-	182.204	130.029	-	-	0.000	-	-	-	-	-	-
ES6: Improved Turbine Engine Program	-	182.204	130.029	-	-	-	-	-	-	-	-	-
Program MDAP/MAIS Code: 487												
A. Mission Description and Budget Item Justification												
<p>This funding line is a key enabler of the Army Modernization Priorities in support of the Improved Turbine Engine Program (ITEP). ITEP develops, tests, qualifies, and integrates the next generation turboshaft engine on Black Hawk and Apache aircraft. The Improved Turbine Engine (ITE) replaces the existing T700 engine design originated in the 1970s and meets the operational requirement of 6,000 feet pressure altitude and 95 degrees (6K/95). The ITE will fit inside the existing engine bays of the Black Hawk and Apache Helicopters and provides a significant power enhancement of up to fifty percent (total of 3,000 class shaft horsepower) with increased fuel efficiency. Additional benefits include improved design life, enhanced reliability, lower maintenance cost and restored capability lost due to aircraft weight growth without an increase to the logistics footprint. The program consists of systems engineering and program management, detailed design engineering, design assurance, hardware manufacturing and testing, component and module level development and testing, system level testing and qualification, and platform integration and qualification.</p> <p>Improved Turbine Engine Program is part of the Army Transformation Initiative.</p> <p>The FY 2026 request was reduced by \$0.18 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>												
B. Program Change Summary (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total				
Previous President's Budget				201.247	67.029	84.161	-	84.161				
Current President's Budget				182.204	130.029	0.000	-	0.000				
Total Adjustments				-19.043	63.000	-84.161	-	-84.161				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-12.141	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	63.000							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-6.902	-							
• Adjustments to Budget Years				-	-	-84.161	-	-84.161				

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0607139A I Improved Turbine Engine Program	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Project: ES6: Improved Turbine Engine Program			
Congressional Add: Congressional Interest Item funding provided for Program Increase		-	63.000
Congressional Add Subtotals for Project: ES6		-	63.000
Congressional Add Totals for all Projects		-	63.000
Change Summary Explanation			
The decrease in FY 2026 in the Improved Turbine Engine Program supports the Army Transformation Initiative.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program				Project (Number/Name) ES6 / Improved Turbine Engine Program			
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
ES6: Improved Turbine Engine Program	-	182.204	130.029	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This funding line is a key enabler of the Army Modernization Priorities in support of the Improved Turbine Engine Program (ITEP). ITEP develops, tests, qualifies, and integrates the next generation turboshaft engine on Black Hawk and Apache aircraft. The Improved Turbine Engine (ITE) replaces the existing T700 engine design originated in the 1970s and meets the operational requirement of 6,000 feet pressure altitude and 95 degrees (6K/95). The ITE will fit inside the existing engine bays of the Black Hawk and Apache Helicopters and provides a significant power enhancement of up to fifty percent (total of 3,000 class shaft horsepower) with increased fuel efficiency. Additional benefits include improved design life, enhanced reliability, lower maintenance cost and restored capability lost due to aircraft weight growth without an increase to the logistics footprint. The program consists of systems engineering and program management, detailed design engineering, design assurance, hardware manufacturing and testing, component and module level development and testing, system level testing and qualification, and platform integration and qualification.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: ITEP									182.204	67.029	-	
Description: ITEP - a multi-platform turbine engine development required across existing Army aircraft to fill the capability gaps for Army Aviation Operations												
FY 2025 Plans: FY 2025 continues Preliminary Flight Rating (PFR) testing, continues detailed test planning, provides for delivery of flight test engines and continues Black Hawk aircraft testing activities. Program achieved First Flight on 13 May 2025.												
FY 2025 to FY 2026 Increase/Decrease Statement: The decrease in FY 2026 in the Improved Turbine Engine Program supports the Army Transformation Initiative.												
Accomplishments/Planned Programs Subtotals									182.204	67.029	-	
							FY 2024	FY 2025				
Congressional Add: Congressional Interest Item funding provided for Program Increase							-	63.000				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program	Project (Number/Name) ES6 / Improved Turbine Engine Program	
		FY 2024	FY 2025
FY 2025 Plans: FY 2025 Congressional Plus Up will allow ITEP Program Office to continue Test Cell engine testing as well as to continue Black Hawk Integration testing. Additionally, the funds will allow ITEP to execute in line with Army Transformation Initiative (ATI) decision.			
Congressional Adds Subtotals		-	63.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks For FY 2014 and prior, all funding for ITEP was contained in Program Element (PE) 0203744A - Aircraft Modifications/Product Improvement Programs, Project 504. FY 2015 funding was initially moved to PE 0203744A, Project EB1. Prior to execution, FY 2015 and beyond funding was moved to to PE 0607139A, Project ES6.			
D. Acquisition Strategy Following a successful Milestone B decision, a cost-plus-incentive-fee contract was awarded to GE Aerospace for EMD contractual effort in FY 2019. ITEP Platform Integration Trade Studies Contracts were awarded to the Boeing Company and the Sikorsky Corporation in FY 2015. In FY 2019, two follow-on efforts were awarded to design and develop A-kits to integrate the ITE into both the Apache and Black Hawk platforms. Following the Army Aviation Investment Rebalance of February 2024, the Army has taken a serial approach to integrating the engine onto the two required platforms. FY 2025 Congressional Plus Up will allow ITEP to continue Test Cell engine testing as well as Black Hawk Integration testing. Additionally, this will allow the Army to preserve critical technology.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program				Project (Number/Name) ES6 / Improved Turbine Engine Program					
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
ITEP SEPM - Organic	MIPR	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	80.868	9.911	Oct 2023	6.500	Jan 2025	-		-		-	Continuing	Continuing	Continuing
ITEP SEPM - Contractor	C/IDIQ	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	29.218	4.217	Oct 2023	2.150	Jun 2025	-		-		-	Continuing	Continuing	Continuing
ITEP SEPM - OGA	MIPR	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	27.646	2.655	Oct 2023	1.550	Dec 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			137.732	16.783		10.200		-		-		-	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
Engine OEM EMD Contract	C/CPIF	GE Aerospace : Lynn, MA	607.334	86.369	Oct 2023	82.197	Nov 2024	-		-		-	Continuing	Continuing	Continuing
Platform Integration and Qualification Contracts	SS/CPIF	The Boeing Company, The Sikorsky Corporation : Phoenix, AZ, Stratford, CT	218.781	56.471	Oct 2023	23.013	Nov 2024	-		-		-	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program				Project (Number/Name) ES6 / Improved Turbine Engine Program					
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
Subtotal			826.115	142.840		105.210		-		-		-	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
ITEP Engineering Support - Contractor	C/IDIQ	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	19.369	3.029	Oct 2023	2.029	Dec 2024	-		-		-	Continuing	Continuing	Continuing
ITEP Engineering Support - OGA	MIPR	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	57.355	8.502	Oct 2023	6.036	Nov 2024	-		-		-	Continuing	Continuing	Continuing
Platform Integration Support	MIPR	Program Management Office (PMO) Apache and Black Hawk Project Offices : Redstone Arsenal, AL	21.991	6.304	Oct 2023	4.304	Mar 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			98.715	17.835		12.369		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program						Project (Number/Name) ES6 / Improved Turbine Engine Program			
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 Planning/Flight Test Support and Analysis	SS/TBD	Program Management Office (PMO) Aviation Turbine Engines Project Office (ATE), Various : Redstone Arsenal, AL	13.078	4.746	Oct 2023	2.250	Apr 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			13.078	4.746		2.250		-		-		-	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			1,075.640	182.204		130.029		-		-		-	Continuing	Continuing	N/A
<div>Remarks</div> <div>FY 2025 Congressional Plus will be executed in July 2025 in support of the continued Test Cell engine testing and Black Hawk Integration testing.</div>															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program								Project (Number/Name) ES6 / Improved Turbine Engine Program										
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
ITEP Systems Engineering/Program Management																												
Engineering & Manufacturing Development																												
UH-60 Black Hawk Integration and Flight Testing																												
T901 Equipped Black Hawk First Flight					1																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607139A / Improved Turbine Engine Program	Project (Number/Name) ES6 / Improved Turbine Engine Program	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ITEP Systems Engineering/Program Management	1	2015	4	2026
Engineering & Manufacturing Development	2	2019	2	2026
Critical Design Review (CDR)	4	2020	4	2020
UH-60 Black Hawk Integration and Flight Testing	2	2019	2	2026
T901 Equipped Black Hawk First Flight	3	2025	3	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					PE 0607142A / Aviation Rocket System Product Improvement 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	-	2.904	-	-	-	0.000	-	-	-	-	-	-
EW9: Aviation Rocket System Product Improvement and Dev	-	2.904	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Aviation Rockets and Small Guided Munitions Product Improvement and Development line funds the development, integration and test of current and future munitions and launchers, and their interface to platforms. Additionally, it will fund a range of improvement initiatives to modernize the Hydra-70 2.75 inch rocket and launcher system. The current Hydra-70 2.75 inch rocket system requires performance improvements to comply with 1) US Code - Title 10, Chapter 141, Section 2389 "Ensuring Safety regarding Insensitive Munitions", 2) Department of Defense (DoD) Directive 5000.1, Chairman of the Joint Chiefs of Staff (CJCS) Instruction 3170.01C, Under Secretary of Defense for Acquisition, Technology, and Logistics (OUSD (AT&L)) Memorandum of January 26, 1999, "Exemption for Existing Inventory Items to Insensitive Munitions (IM) Requirements", 3) signed Initial Capability Document (ICD) for Army Aviation Weapons, Sub-Systems and Munitions (AAWSSM), 4) Air Launched Effects (ALE) Initial Capability Refinement Document (ICRD) dated 21 October 2019, and 5) existing/emerging Headquarters, Department of the Army (HQDA) G-3/5/7 and U.S. Army Training and Doctrine Command (TRADOC) aviation weapon requirements for guided and unguided rocket and munition systems. Improvements to existing rocket systems and munitions will include design, qualification and integration of precision guidance capability, increased lethality, improved target suppression, increased standoff range, reduced minimum engagement range, improved pre-launch constraints and munitions communications/programmability, increased stowed kills, increased product reliability, improved hardness against unplanned stimuli, reduced Warfighter workload, and reduced environmental impact for both manned and unmanned applications.

PE 0607142A EW9 has no FY 2026 funding request

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	3.014	0.000	0.000	-	0.000
Current President's Budget	2.904	0.000	0.000	-	0.000
Total Adjustments	-0.110	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.110	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Product Improvement and Development				Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and 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
EW9: Aviation Rocket System Product Improvement and Dev	-	2.904	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Aviation Rockets and Small Guided Munitions Product Improvement and Development line funds the development, integration and test of current and future munitions and launchers, and their interface to platforms. Additionally, it will fund a range of improvement initiatives to modernize the Hydra-70 2.75 inch rocket and launcher system. The current Hydra-70 2.75 inch rocket system requires performance improvements to comply with 1) US Code - Title 10, Chapter 141, Section 2389 "Ensuring Safety regarding Insensitive Munitions", 2) Department of Defense (DoD) Directive 5000.1, Chairman of the Joint Chiefs of Staff (CJCS) Instruction 3170.01C, Under Secretary of Defense for Acquisition, Technology, and Logistics (OUSD (AT&L)) Memorandum of January 26, 1999, "Exemption for Existing Inventory Items to Insensitive Munitions (IM) Requirements", 3) signed Initial Capability Document (ICD) for Army Aviation Weapons, Sub-Systems and Munitions (AAWSSM), 4) Air Launched Effects (ALE) Initial Capability Refinement Document (ICRD) dated 21 October 2019, and 5) existing/emerging Headquarters, Department of the Army (HQDA) G-3/5/7 and U.S. Army Training and Doctrine Command (TRADOC) aviation weapon requirements for guided and unguided rocket and munition systems. Improvements to existing rocket systems and munitions will include design, qualification and integration of precision guidance capability, increased lethality, improved target suppression, increased standoff range, reduced minimum engagement range, improved pre-launch constraints and munitions communications/programmability, increased stowed kills, increased product reliability, improved hardness against unplanned stimuli, reduced Warfighter workload, and reduced environmental impact for both manned and unmanned applications.

PE 0607142A EW9 has no FY 2026 funding request.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Guided Air-to-Ground Rocket (AGR) variants (Advanced Precision Kill Weapon System (APKWS))	1.064	-	-	-	-
Description: These funds will be used to optimize current and future air-to ground variant integration on the Apache and for activities required to obtain an Army Materiel Release. This effort will utilize in-house expertise and Other Government Agencies in order to complete activities, including design and build of all-up-round (AUR) containers and test assets, conduct of environmental qualification testing, performance of ground firings, update of aviation platform software, support of Apache weapon survey firings, technical support to platform integration and testing, and development and revision of training/maintenance materiel.					
Title: Army Aviation Weapons	1.357	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Product Improvement and Development	Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and Dev	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Description: These funds will be used for fielded Army Aviation modular weapon systems and their interface to fielded launchers and platforms. These efforts will utilize in-house subject matter expertise, Other Government Agencies, defense industry capabilities, and Other Transactional Agreements to complete activities, including technical assessment, risk reduction efforts, technology maturation, demonstration, engineering design, engineering/manufacturing development, test, integration and document preparation for Army Aviation manned and unmanned platforms.					
Title: Modular Effects Launcher (MEL)/Launcher Electronics Assembly (LEA) Description: These funds will be used to upgrade and enhance launcher components to support current and future munitions outlined in the Army Aviation Weapons, Sub-Systems and Munitions Initial Capability Document, dated 17 July 2018, and the Air Launched Effects (ALE) Initial Capability Refinement Document (ICRD), dated 21 October 2019. This effort allows the Government to align technology-enabling solutions with the Army Aviation Weapons, Sub-Systems and Munitions Initial Capability Document, maturing technological developments of launcher component prototypes to mitigate launcher limitations. The launcher component efforts will define and provide the interfaces between aircraft and emerging munitions utilizing a nonproprietary, open systems architecture allowing easy compatibility when integrating onto aviation platforms. The inherent flexibility of an open architecture serves as a building block for future weapon systems.	0.483	-	-	-	-
Accomplishments/Planned Programs Subtotals	2.904	-	-	-	-

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>
• E37300: Rocket, Hydra 70, All Types	166.686	34.302	17.040	17.796	34.836	-	-	-	-	-	-

Remarks

E37300 procures guided and unguided Hydra Rockets

D. Acquisition Strategy

The Acquisition Strategy utilizes in-house expertise, Other Government Agencies, defense industry capabilities, and when appropriate Other Transactional Agreements. The strategy allows the Government the ability to support urgent operational needs and unanticipated requirements, which require immediate and expert attention.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Product Improvement and Development	Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and Dev
<p>This strategy will allow the Government to maintain the relevance of the Hydra-70 all-up-round rocket, its variants, and Small Guided Munitions, and posture for emerging requirements and capabilities, while leveraging new authorities and progressing as many technologies as funding allows.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Pro duct Improvement and Development				Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and 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
System Engineering/ Project Management	Various	Various : Performers	14.842	0.464	Mar 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			14.842	0.464		-		-		-		-	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
Advanced Precision Kill Weapon System (APKWS)	MIPR	CCDC : Redstone Arsenal, AL	3.692	0.708	Jun 2025	-		-		-		-	0.000	4.400	-
Army Aviation Weapons	MIPR	Various : Various Performers	17.786	0.851	Mar 2025	-		-		-		-	Continuing	Continuing	-
Modular Effects Launcher (MEL)/Launcher Electronics Assembly (LEA)	MIPR	CCDC : Redstone Arsenal, AL	13.101	0.404	Mar 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			34.579	1.963		-		-		-		-	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
Research Studies	MIPR	CCDC : Redstone Arsenal, AL	5.936	0.477	Jun 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			5.936	0.477		-		-		-		-	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			55.357	2.904		-		-		-		-	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Product Improvement and Development								Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and 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
APKWS - SVBU Performance Characterization / Fire Control...																												
Technology Analysis, Development, and Improvement in sup...																												
AAWSSM Munitions Technologies and Capabilities Studies		1																										
AAWSSM Launcher Risk Mitigation Demo				2																								

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607142A / Aviation Rocket System Product Improvement and Development	Project (Number/Name) EW9 / Aviation Rocket System Product Improvement and Dev	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
APKWS - AH-64E Fire Control Optimization	3	2021	2	2022
APKWS - SVBU Performance Characterization / Fire Control Optimization	3	2021	4	2025
Technology Analysis, Development, and Improvement in support of AAWSSM ICD	2	2019	4	2025
AAWSSM Munitions Technologies and Capabilities Studies	2	2024	2	2024
AAWSSM Launcher Risk Mitigation Demo	4	2024	4	2024

Note
APKWS: Advanced Precision Kill Weapon System
AAWSSM ICD: Army Aviation Weapons, Sub-Systems and Munitions Initial Capability Document
SVBU: Single Variant Block Upgrade

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	PE 0607143A / Unmanned Aircraft System Universal Products											
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	-	24.466	24.539	-	-	0.000	-	-	-	-	-	-
EX1: Unmanned Aircraft Systems Universal Products	-	24.466	24.539	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Scalable Control Interface (SCI) is a permissions-based software control suite used by Soldiers to simultaneously control multiple, disparate types of uncrewed or optionally-manned aircraft and payloads through a universal interface with scalable levels of authority. SCI distributes Unmanned Aircraft Systems (UAS) capabilities by greatly increasing the number of UAS control devices available to Soldiers, Commanders, and Battle Staff. SCI provides simultaneous employment of multiple aircraft/ payloads from a single control node. SCI leverages a Modular Open System Approach (MOSA) to software in order to reduce time and cost to integrate new hardware and software in response to the dynamic future operating environment.

Deployment of SCI includes devices in the Mobile/Handheld Computing Environment (such as Nett Warrior), Mounted Computing Environment such as Mounted Family of Computer Systems (MFoCS), Command Post Computing Environment such as Tactical Services Infrastructure (TSI), fixed wing aircraft, and rotary wing aircraft. SCI will integrate decision aiding, autonomy, and artificial intelligence improvements as they technically mature, in order to support Multi-Domain Operations and reduce cognitive workload.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	25.393	24.539	33.438	-	33.438
Current President's Budget	24.466	24.539	0.000	-	0.000
Total Adjustments	-0.927	0.000	-33.438	-	-33.438
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.927	-			
• Adjustments to Budget Years	-	-	-33.438	-	-33.438

Change Summary Explanation

FY 2025 to FY 2026 decrease is due to funding realignment to PE 0609345A / Unmanned Aerial Systems Launched Effects Agile Systems Development / A52 / Unmanned Aircraft Systems Universal Products.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607143A / Unmanned Aircraft System Universal Products				Project (Number/Name) EX1 / Unmanned Aircraft Systems Universal Products			
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
EX1: Unmanned Aircraft Systems Universal Products	-	24.466	24.539	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Scalable Control Interface (SCI) is a permissions-based software control suite used by Soldiers to simultaneously control multiple, disparate types of uncrewed or optionally-manned aircraft and payloads through a universal interface with scalable levels of authority. SCI distributes UAS capabilities by greatly increasing the number of UAS control devices available to Soldiers, Commanders, and Battle Staff. SCI provides simultaneous employment of multiple aircraft/payloads from a single control node. SCI leverages a Modular Open System Approach (MOSA) to software in order to reduce time and cost to integrate new hardware and software in response to the dynamic future operating environment.

Deployment of SCI includes devices in the Mobile/Handheld Computing Environment (such as Nett Warrior), Mounted Computing Environment such as Mounted Family of Computer Systems (MFoCS), Command Post Computing Environment such as Tactical Services Infrastructure (TSI), fixed wing aircraft, and rotary wing aircraft. SCI will integrate decision aiding, autonomy, and artificial intelligence improvements as they technically mature, in order to support Multi-Domain Operations and reduce cognitive workload.

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

	FY 2024	FY 2025	FY 2026
Title: Scalable Control Interface (SCI)	23.539	24.539	-
Description: SCI will be the primary means of Command and Control (C2) for Program of Record Army UAS. SCI software will be hosted on Mission Command devices in both ground and airborne platforms serving as nodes on the Integrated Tactical Network to retrieve and provide data. SCI distributes UAS capabilities by greatly increasing the number of UAS control devices available to Soldiers, Commanders, and Battle Staff. SCI provides simultaneous employment of multiple aircraft/payloads from a single control node.			
FY 2025 Plans: RDTE funding supports software development for Launched Effects, Future Tactical Uncrewed Aircraft System, and other prioritized platforms.			
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease from FY25 to FY26 is due to this funding being realigned to PE 0609345A / Unmanned Aerial Systems Launched Effects Agile Systems Development / A52 / Unmanned Aircraft Systems Universal Products.			
Title: SBIR/STTR Transfer	0.927	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607143A / <i>Unmanned Aircraft System Universal Products</i>	Project (Number/Name) EX1 / <i>Unmanned Aircraft Systems Universal Products</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Description: Funding transferred in accordance with Title 15 USC §638.			
Accomplishments/Planned Programs Subtotals		24.466	24.539
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy SCI is Software Acquisition Pathway program per the Acquisition Decision Memorandum signed 28 October 2022. Project Manager Uncrewed Aircraft Systems (PM-UAS) will develop the SCI software using a phased acquisition strategy to bridge current systems, integrate future systems, and continue to evolve SCI capabilities including artificial intelligence technologies, autonomy, networks, and mature SCI-enabled platforms. The SCI Abbreviated Capabilities Development Document defines critical capabilities UAS command and control. The procedures, infrastructure, developmental environment, and capabilities developed for SCI will provide the basis for future UAS Command and Control SW development as well as integration into legacy and future platforms. PM-UAS, as the materiel developer, will coordinate the Army's combined efforts for the development of UAS Command and Control. The Future Vertical Lift Cross Functional Team (FVL CFT) and Army Capability Manager Unmanned Aircraft System serve as the lead capability developer for SCI. This partnership will prioritize development of detailed user needs and will integrate these needs into the system's capabilities. PM UAS will also provide annual SCI requirements updates, in partnership with the FVL CFT, and in-line with the jointly developed User Agreement. PM UAS will develop and maintain a product roadmap and product backlog for each of the main capabilities based on the SCI User Agreement. PM UAS will seek to gain user feedback through a series of virtual/simulated or live/field test events. PM UAS will utilize user feedback from these events to inform prioritization for the product roadmaps and backlogs for each capability. PM UAS will implement software that builds on a MOSA and aligns with UAS Interoperability Profiles.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607143A / Unmanned Aircraft System Universal Products				Project (Number/Name) EX1 / Unmanned Aircraft Systems Universal Products					
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	C/Various	Various : Multiple	1.194	2.467	Dec 2023	2.345	May 2025	-		-		-	0.000	6.006	-
Subtotal			1.194	2.467		2.345		-		-		-	0.000	6.006	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 Support	C/Various	Various : Various	-	1.767	Dec 2023	4.358	Dec 2024	-		-		-	0.000	6.125	-
Software Development	C/Various	Various : Multiple	96.741	16.405	Mar 2024	11.572	Apr 2025	-		-		-	0.000	124.718	-
System Level Integration	Various	Various : Multiple	1.203	3.827	Mar 2024	2.246	Jul 2025	-		-		-	0.000	7.276	-
Subtotal			97.944	21.999		18.176		-		-		-	0.000	138.119	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	C/Various	Various : Multiple	-	-		4.018	Apr 2025	-		-		-	0.000	4.018	-
Subtotal			-	-		4.018		-		-		-	0.000	4.018	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			99.138	24.466		24.539		-		-		-	0.000	148.143	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607143A / Unmanned Aircraft System Universal Products		Project (Number/Name) EX1 / Unmanned Aircraft Systems Universal Products	

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
SWP Planning Phase																												
SWP Exec ADM																												
SWP Execution Phase																												
MVP																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607143A / Unmanned Aircraft System Universal Products	Project (Number/Name) EX1 / Unmanned Aircraft Systems Universal Products	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
A-CDD	2	2022	2	2022
SWP Plan ADM	1	2023	1	2023
SWP Planning Phase	1	2023	4	2024
SWP Exec ADM	2	2025	2	2025
SWP Execution Phase	2	2025	4	2025
MVP	2	2025	2	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0607145A / <i>Apache Future 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	-	44.762	8.243	44.371	-	44.371	-	-	-	-	-	-
FD5: <i>Apache Product Improvement</i>	-	44.762	8.243	44.371	-	44.371	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Apache Product Improvement program prioritizes, informs, influences, matures, tracks, statuses, and packages technologies and/or material solutions to address known capability gaps identified during real-world combat missions and associated with current/emerging threats for the transition to Apache development for integration and implementation to the AH-64E fleet to increase combat capability.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	10.547	8.243	0.000	-	0.000
Current President's Budget	44.762	8.243	44.371	-	44.371
Total Adjustments	34.215	0.000	44.371	-	44.371
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	12.500	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	22.100	-			
• SBIR/STTR Transfer	-0.385	-			
• Adjustments to Budget Years	-	-	44.371	-	44.371

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: FD5: *Apache Product Improvement*

Congressional Add: *Strap Down Pilotage Apache*

Congressional Add: *AH-64 Modernization*

Congressional Add Subtotals for Project: FD5

Congressional Add Totals for all Projects

FY 2024	FY 2025
5.000	-
7.500	-
12.500	-
12.500	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development	
<p>Change Summary Explanation</p> <p>Increase in FY 2026 funding from the previous Presidents Budget (PB) will be required to adequately maintain a consistent funding profile to execute design and Non-Recurring Engineering (NRE) activities to ensure a consistent steady glide path without gaps to qualification of the Oil Cooled Generator (OCG) capability. The OCG is the material solution to the current air-cooled generator (PN-7-511B11025) which has experienced severe reliability issues over the past two decades, resulting in the Apache Project Management Office (PMO) carrying a 3/E Medium Level Safety Risk (AH-LNB-113).</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development				Project (Number/Name) FD5 / Apache Product Improvement			
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
FD5: Apache Product Improvement	-	44.762	8.243	44.371	-	44.371	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Apache Product Improvement program prioritizes, informs, influences, matures, tracks, statuses, and packages technologies and/or material solutions to address known capability gaps identified during real-world combat missions and associated with current/emerging threats for the transition to Apache development for integration and implementation to the AH-64E fleet to increase combat capability.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Apache Improved Tail Rotor Drive System (ITRDS)									32.262	-	2.323	
Description: Increase performance/safety as well as reducing logistics footprint of current Tail Rotor Drive System												
FY 2026 Plans: Funding in FY26 will support contracted Non-Recurring Engineering (NRE) and testing Level of Effort (LOE) to qualify Improved Tail Rotor Drive System (ITRDS) capability for fielding. Upcoming activity includes component procurement, fabrication, and system-level bench testing.												
FY 2025 to FY 2026 Increase/Decrease Statement: To support contract modifications to ITRDS to include additional required scope.												
Title: Oil Cooled Generator									-	8.243	42.048	
Description: To design, integrate, and qualify an oil-cooled generator (OCG) for the AH-64E based on systemic quality issues with the current legacy air-cooled generator.												
FY 2025 Plans: Apache PMO will continue to work with the contractor and the Original Equipment Manufacturer (OEM) supplier to conduct Integrated Baseline Review (IBR) and System Readiness Review (SRR) activities. Contractor will also continue limited material procurement to minimize risk of long lead items to the overall qualification program.												
FY 2026 Plans: Once the contract has been definitized (projected Q4FY25) Non-Recurring Engineering (NRE), testing, and qualification Level of Effort (LOE) will commence. Initial scope includes baselining effort via SRR / IBR, design activity and reviews (PDR milestone).												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 7			R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development			Project (Number/Name) FD5 / Apache Product Improvement					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
FY26 funding will allow completion of the necessary design, integration and qualification activities required to field the Oil Cooled Generator (OCG) capability as directed material solution to the current air-cooled generator as a safety mitigation.											
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY2026 funding from the previous Presidents Budget (PB) will be required to adequately maintain a consistent funding profile to execute the Design and Non-Recurring Engineering (NRE) activities to ensure a consistent steady glide path without gaps to qualification of the Oil Cooled Generator (OCG) capability. The OCG is the material solution to the current air-cooled generator (PN-7-511B11025) which has experienced severe reliability issues over the past two decades, resulting in the Apache Project Management Office (PMO) carrying a 3/E Medium Level Safety Risk (AH-LNB-113).											
Accomplishments/Planned Programs Subtotals							32.262	8.243	44.371		
						FY 2024	FY 2025				
Congressional Add: Strap Down Pilotage Apache						5.000	-				
FY 2024 Accomplishments: Continues advancements in the development of strapdown architectures and develops a prototype pilotage sensor testbed to include upgraded uncooled microbolometers to more capable super-uncooled cameras and refines drone detection algorithms. This effort will also perform flight testing of a prototype strapdown pilotage sensor to demonstrate capability to the user and understand issues associated with motion blur and fixed pattern noise.											
Congressional Add: AH-64 Modernization						7.500	-				
FY 2024 Accomplishments: Apache Project Management Office (PMO) will continue to execute design level reviews, component drawing development and reliability/maintainability risk mitigation assessments and technical development analysis. The Critical Design Review (CDR) will serve as the end cap milestone for Phase II, locking down the ITRDS design. Once completed, Phase III will continue pre-qualification and risk reduction efforts to mature the approved system design from CDR. Concurrently, component fabrication and prototyping efforts for the design will commence.											
Congressional Adds Subtotals						12.500	-				
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
• A05111: AH-64 Apache Block IIIA Reman	759.677	557.399	1.669	-	1.669	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development				Project (Number/Name) FD5 / Apache Product 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
• 0607145A: Apache Future Development	44.762	8.243	44.371	-	44.371	-	-	-	-	-	-
• AA6605: AH-64 MODS	141.402	93.826	125.236	-	125.236	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The NRE activities will encompass subsystem integration and will utilize existing test aircraft, incorporate the technical insertions, and initiate appropriate qualification and operational flight-testing. FY 2020 - FY 2024, the Apache Product Improvement Program delivered required capability enhancements supported by Apache's Modernization Strategy to ensure the AH-64E maintains relevance and dominance throughout its expected service life.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development				Project (Number/Name) FD5 / Apache Product Improvement					
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
Apache Improved Tail Rotor Drive System (ITRDS)	C/CPFF	The Boeing Company : Mesa, AZ	31.651	39.762	Dec 2023	-		2.323	Jan 2026	-		2.323	0.000	73.736	-
Oil Cooled Generator	SS/CPFF	The Boeing Company : Mesa, AZ	8.226	-		8.243	May 2025	42.048	Nov 2025	-		42.048	108.671	167.188	-
Strap Down Pilotage	SS/FFP	University of Arizona : Tuscon, AZ	5.000	5.000	Sep 2024	-		-		-		-	0.000	10.000	-
Subtotal			44.877	44.762		8.243		44.371		-		44.371	108.671	250.924	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			44.877	44.762		8.243		44.371		-		44.371	108.671	250.924	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development		Project (Number/Name) FD5 / Apache Product 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
Contract Award for SPIKE NLOS																												
Improved Tail Rotor Drive System (ITRDS) Activities																												
ITRDS Development / Qualification (Non-Recurring Engineering)																												
ITRDS Development / Qualification (NRE)																												
ITRDS Critical Design Review (CDR)			1																									
Delta CDR							3																					
Ground Test Vehicle (GTV) Development & Procurement											5																	
Ground Testing														7														
ITRDS 1st Flight																			9									
Strap Down Pilotage																												
Oil Cooled Generator (OCG)																												
Contracting PALT																												
OCG Development (Non-Recurring Engineering)																												
OCG Contract Award								2																				

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army												Date: June 2025																
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0607145A / Apache Future Developmen t								Project (Number/Name) FD5 / Apache Product 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
Integrated Baseline Review (IBR) / System Readiness Revi...												4																
OCG Preliminary Design Review (PDR)														6														
System Integrated Design Review (IDR)																8												
System Test Readiness Review (TRR)																					10							
OCG 1st Flight																										11		
OCG Critical Design Review (CDR)																											12	
Logistics Demonstration																												13

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607145A / Apache Future Development	Project (Number/Name) FD5 / Apache Product Improvement	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Crossbow	3	2021	4	2023
Contract Award for SPIKE NLOS	3	2021	4	2024
Improved Tail Rotor Drive System (ITRDS) Activities	4	2022	4	2030
ITRDS Development / Qualification (Non-Recurring Engineering)	4	2022	1	2031
ITRDS Contract Award	4	2022	4	2022
ITRDS Preliminary Design Review (PDR)	4	2023	4	2023
ITRDS Critical Design Review (CDR)	3	2024	3	2024
Delta CDR	3	2025	3	2025
Ground Test Vehicle (GTV) Development & Procurement	3	2026	3	2026
Ground Testing	2	2027	2	2027
ITRDS 1st Flight	1	2028	1	2028
Strap Down Pilotage	3	2023	4	2026
Oil Cooled Generator (OCG)	4	2023	3	2032
Contracting PALT	2	2023	3	2025
Unfinitized Contract Action (UCA) Award	4	2023	4	2023
OCG Development (Non-Recurring Engineering)	3	2025	2	2032
OCG Contract Award	3	2025	3	2025
Integrated Baseline Review (IBR) / System Readiness Review (SRR)	1	2026	1	2026
OCG Preliminary Design Review (PDR)	4	2026	4	2026
System Integrated Design Review (IDR)	4	2027	4	2027
System Test Readiness Review (TRR)	2	2029	2	2029
OCG 1st Flight	1	2030	1	2030

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607145A / Apache Future Developmen t	Project (Number/Name) FD5 / Apache Product Improvement	
		Start		End
Events		Quarter	Year	Quarter Year
OCG Critical Design Review (CDR)		3	2030	3 2030
Logistics Demonstration		4	2030	4 2030
Oil Cooled Generator Fielding		2	2032	4 2035

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System											
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	-	52.190	53.652	43.054	-	43.054	-	-	-	-	-	-
BY8: AN/TPQ-53 Counterfire Target Acquisition Radar Sys	-	52.190	53.652	43.054	-	43.054	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This funding line supports the AN/TPQ-53 Counterfire target Acquisition Radar program, a key enabler of the Army Long Range Precision Fires (LRPF) Modernization Priority. The AN/TPQ-53 Counterfire Target Acquisition Radar System is a highly mobile radar set that automatically detects, classifies, tracks, and locates the point of origin of projectiles fired from mortar, artillery, and rocket systems. It mitigates close combat radar coverage gaps by providing a 90 degree search sector (stare mode) as well as 360 degree coverage (rotating). The AN/TPQ-53 system incorporates Multi-Mission Radar (MMR) software into the system baseline, enabling air surveillance for Commander's situational awareness of UAS. The AN/TPQ-53 system interoperates with mission command systems to provide the maneuver commander increased counterfire radar flexibility, providing data to the Forward Area Air Defense Command and Control (FAAD C2) node for the sense and warn force protection capability. The AN/TPQ-53 is provided to Brigade Combat Teams (BCTs), Field Artillery Brigades (FABs) and Division Artilleries (DIVARTYs) and serves as an enabler for systems requiring target in-flight updates.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	54.167	53.652	29.514	-	29.514
Current President's Budget	52.190	53.652	43.054	-	43.054
Total Adjustments	-1.977	0.000	13.540	-	13.540
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.977	-			
• Adjustments to Budget Years	-	-	13.540	-	13.540

Change Summary Explanation

Decrease in FY 2026 funding from the previous PB to the current PB due to transitioning from development to integration and addressing software issues for Capability Sets #1 and #2 and completion of majority of developmental testing in FY 2025.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System				Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys			
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
BY8: AN/TPQ-53 Counterfire Target Acquisition Radar Sys	-	52.190	53.652	43.054	-	43.054	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line supports the AN/TPQ-53 Counterfire target Acquisition Radar program, a key enabler of the Army Long Range Precision Fires (LRPF) Modernization Priority. The AN/TPQ-53 Counterfire Target Acquisition Radar System is a highly mobile radar set that automatically detects, classifies, tracks, and locates the point of origin of projectiles fired from mortar, artillery, and rocket systems. It mitigates close combat radar coverage gaps by providing a 90 degree search sector (stare mode) as well as 360 degree coverage (rotating). The AN/TPQ-53 system incorporates Multi-Mission Radar (MMR) software into the system baseline, enabling air surveillance for Commander's situational awareness of UAS. The AN/TPQ-53 system interoperates with mission command systems to provide the maneuver commander increased counterfire radar flexibility, providing data to the Forward Area Air Defense Command and Control (FAAD C2) node for the sense and warn force protection capability. The AN/TPQ-53 is provided to Brigade Combat Teams (BCTs), Field Artillery Brigades (FABs) and Division Artilleries (DIVARTYs) and serves as an enabler for systems requiring target in-flight updates.

Fiscal Year (FY) 2026 RDTE funds support tests for Distributed Digital Receiver Exciter (DDREX) Capability Sets #1 and #2 to enhance system survivability, electronic protection (EP), and bandwidth agility to improve system capability in a peer/near-peer threat environment. FY 2026 funds also continue DDREX Capability Sets #3 and #4 to counter indirect fire with improved hostile weapon location accuracy and survivability against the latest electronic warfare threats identified in the Counterfire Radar Systems (CFRS) Validated Online Lifecycle Threat (VOLT) report dated 15 February 2022.

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

	FY 2024	FY 2025	FY 2026
Title: Multi-Domain Operation (MDO) Digitization / Distributed Digital Receiver Exciter (DDREX)	45.080	11.576	2.070
Description: MDO Digitization / Distributed Digital Receiver Exciter (DDREX) is a modification-in-service Engineering Change Proposal (ECP) that provides increased force protection by addressing emerging and evolving electronic attack threats, improving electronic protection capabilities against Cyber Electromagnetic Activity (CEMA), and improving performance in a congested spectrum/environment. The system is also less susceptible to directed energy, jamming, and provides improved extended range capability to enable timely and accurate targetable data in support of Long Range Precision Fires (LRPF).			
FY 2025 Plans: FY 2025 research, development, test and evaluation (RDT&E) funds in the amount of \$11.576 million supports the continuation of DDREX modification kit design and the software integration and testing of four DDREX Engineering Development Models (EDMs) in support of Capability Set #1 and Capability Set #2. These Capability Sets, which include development of DDREX hardware and			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System	Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
software to enable advanced survivability capability, will increase Counterfire Target Acquisition (CTA) performance and radar survivability. FY 2026 Plans: FY 2026 research, development, test and evaluation (RDT&E) funds in the amount of \$2.070 million supports but is not limited to the continuation of the software integration and testing of four DDREX Engineering Development Models (EDMs) in support of Capability Set #1 and Capability Set #2. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to transitioning from development to integration and addressing software issues for Capability Sets #1 and #2.				
Title: DDREX Capability Sets #3 and #4 Description: Capability Set #3 will merge with Capability Set #2 software to enable survivability improvements and additional electronic protection features. The capability integrates electronic protection software techniques for the AN/TPQ-53 to be survivable in a contested and complex Cyber Electromagnetic Activity (CEMA) environment against a peer/near-peer threat. It includes radar to radar communications and sensor fusion that allows multiple sensors to exchange data with other sensors. Capability Set #4 will merge with Capability Set #3 software. The capability includes counter electronic warfare, radar aided navigation, and radar survivability techniques to support Long Range Precision Fires (LPRF). FY 2025 Plans: FY 2025 research, development, test and evaluation (RDT&E) funds in the amount of \$16.496 million supports the start of the survivability improvement effort for the design and development of DDREX Capability Sets #3 and #4. This will require the development and integration of an additional high performance data processing board to the DDREX's processor assembly. FY 2026 Plans: FY 2026 funding of \$18.086 million supports the continuation of the survivability improvement effort and enhanced electronic protection software techniques for the design and development of DDREX Capability Sets #3 and #4. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to additional electronic protection software development efforts.		-	17.671	18.086
Title: Modernization Development Efforts and Emerging Threats Description: Modernization Development Efforts and Emerging Threats provides the ability to address upcoming threats on the battlefield by countering indirect fire and improving survivability against electronic warfare threats identified in the Validated Online		4.272	8.094	12.854

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System		Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Lifecycle Threat (VOLT). These efforts are primarily software based and will continue to address complex evolving threats through advanced survivability development.</p> <p>FY 2025 Plans: FY 2025 research, development, test and evaluation (RDT&E) funds in the amount of \$8.094 million continues to support the Modernization Development Efforts and Emerging Threats. This requirement will continue to allow the ability to address evolving threats on the battlefield that are in the VOLT CFRS, 15 February 2022. This requirement is necessary to allow continued survivability improvements.</p> <p>FY 2026 Plans: FY 2026 research, development, test and evaluation (RDT&E) funds in the amount of \$12.854 million continues to support the Modernization Development Efforts and Emerging Threats. This requirement will continue to allow the ability to address evolving battlefield threats identified in the VOLT CFRS, 15 February 2022. Funds support engineering and development activities, software updates, modeling & simulation, cyber & information assurance patches & updates, and post-test data analysis on the radar's performance. Funds also support Multi-Mission Radar (MMR) software integration into the Distributed Digital Receiver Exciter (DDREX) software baseline, enabling early detection and classification of airborne threats. These capabilities are necessary to allow continued survivability software improvements.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to additional integration work required for MMR software and increased software development to continue to evolve the system to counter advanced threats.</p>					
<p>Title: Test & Evaluation Support</p> <p>Description: Test and Evaluation Support provides the planning, execution, and reporting for the AN/TPQ-53 MDE and DDREX Test Program.</p> <p>FY 2025 Plans: FY 2025 research, development, test and evaluation (RDT&E) funds in the amount of \$12.460 million to support a series of test & evaluation events for DDREX Capability Sets #1 and #2 that includes cybersecurity assessments, engineering live fire tests to evaluate radar performance, reliability, survivability, radar system acceptance tests, environmental qualification tests, transportability tests, interoperability tests, Developmental Tests (DTs), and User Test.</p> <p>FY 2026 Plans: FY 2026 research, development, test and evaluation (RDT&E) funds in the amount of \$7.250 million continues to support a series of developmental test & evaluation events for DDREX Capability Sets #1 and #2 that includes developmental live fire testing, cybersecurity assessments, software regression tests to evaluate performance, reliability, and survivability of the radar system,</p>			-	13.243	7.250

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army								Date: June 2025			
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System				Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2024	FY 2025	FY 2026	
environmental qualification tests, transportability tests, interoperability tests, Developmental Tests (DTs), and DDREX Follow-on Operational Test and Evaluation (FOT&E).											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to completion of majority of developmental testing in FY 2025.											
Title: Program Management Support								2.838	3.068	2.794	
Description: Program management efforts include engineering, integration, and test support associated with DDREX development and modernization efforts addressing new and emerging threats.											
FY 2025 Plans: FY 2025 funding of \$3.068 million supports program management requirements.											
FY 2026 Plans: FY 2026 funding of \$2.794 million supports the program management requirement.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to decreased level of program management support.											
Accomplishments/Planned Programs Subtotals								52.190	53.652	43.054	
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
• B05310: AN/TPQ-53 Counterfire Target Acquisition Radar	-	-	-	-	-	-	-	-	-	-	-
• BA5315: AN/TPQ-53 MOD-IN-SERVICE LINE	73.799	18.802	40.526	-	40.526	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The AN/TPQ-53 Distributed Digital Receiver Exciter (DDREX) Capability Sets #1 and #2 major development began in FY 2022 and builds upon AN/TPQ-53(V)4 baseline. The initial development task order took place on the FRP Indefinite Delivery Indefinite Quantity (IDIQ) contract in FY 2022 and includes engineering development, design, prototyping, subsystem integration, and survivability software (electronic protect). A second task was awarded in FY 2023 to develop and harden the survivability software. All Capability Sets # 1 and #2 developmental efforts will support a series of developmental tests leading to DDREX Follow-on Operational Test and Evaluation (FOT&E) in FY 2026. A modification was awarded in FY 2024 to initiate the Capability Set #3 effort to develop additional electronic protect features											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System	Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys
<p>and system architecture to enable MMR capability into DDREX configuration. Second task for Capability Set #3 was awarded in FY 2025 to continue integration efforts. Capability Set #4 will continue with a follow-on award to improve extended range, counter electronic warfare, and radar aided navigation.</p> <p>The program is upgrading to a digital architecture (hardware and software) to address emerging and evolving electronic attack threats by improving electronic protection and survivability capabilities via waveform diversity, spectrum agility, and broadening the operational bandwidth. Major development began in FY 2022, followed by developmental, live fire, and environmental qualification testing in FY 2025, with planned completion of the follow-on operational test in FY 2026. Starting in FY 2026, the program will procure DDREX kits for fielding in FY 2029. In FY 2027, the program continues ECP mod kit production and completes full material release.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System					Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys				
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	-	-		1.958		-		-		-	0.000	1.958	-
Subtotal			-	-		1.958		-		-		-	0.000	1.958	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
Modernization Development Efforts and EmergingThreats	SS/CPFF	Lockheed Martin : Syracuse, NY	16.741	4.272	Dec 2023	8.094	Dec 2024	12.854	Dec 2025	-		12.854	0.000	41.961	Continuing
MDO Digitization / Distributed Digital Receiver Exciter (DDREX)	SS/CPFF	Lockheed Martin : Syracuse, NY	83.763	45.080	Dec 2023	11.576	Dec 2024	2.070	Dec 2025	-		2.070	0.000	142.489	-
DDREX Capability Sets #3 and #4	SS/CPFF	Lockheed Martin : Syracuse, NY	-	-		16.496	Dec 2024	18.086	Dec 2025	-		18.086	0.000	34.582	Continuing
Subtotal			100.504	49.352		36.166		33.010		-		33.010	0.000	219.032	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 - Contractor	SS/ Various	Various : Various	2.240	1.277	Nov 2023	1.382	Nov 2024	1.204	Nov 2025	-		1.204	0.000	6.103	Continuing
Program Management Support - Government	MIPR	Various : Various	2.577	1.561	Nov 2023	1.686	Nov 2024	1.590	Nov 2025	-		1.590	0.000	7.414	Continuing
Subtotal			4.817	2.838		3.068		2.794		-		2.794	0.000	13.517	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System						Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys			
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 Support	SS/CPFF	Lockheed Martin, Yuma Test Center, White Sands Test Center, Aberdeen Test Center : NY, AZ, NM, MD	-	-		12.460	Dec 2024	7.250	Dec 2025	-		7.250	0.000	19.710	Continuing
Subtotal			-	-		12.460		7.250		-		7.250	0.000	19.710	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			105.321	52.190		53.652		43.054		-		43.054	0.000	254.217	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System		Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys	

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
DDREX Capability Sets #1 and #2 Development																												
DDREX Capability Sets #1 and #2 Integration and Testing																												
Soldier Assessment: Engineering Development Model																												
Soldier Assessment: Live Fire																												
Soldier Assessment: Logistics Demonstration																												
Soldier Assessment: Cooperative Vulnerability Penetratio...																												
DDREX Developmental Test / Operational Tests																												
DDREX Follow-on Operational Test & Evaluation & Adversar...																												
Modernization, Emerging Threats and Testing (per VOLT)																												
DDREX Capability Sets #3 and #4 Development																												
DDREX Capability Sets #3 and #4 Integration and Testing																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607148A / AN/TPQ-53 Counterfire Target Acquisition Radar System	Project (Number/Name) BY8 / AN/TPQ-53 Counterfire Target Acquisition Radar Sys	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DDREX Capability Sets #1 and #2 Development	1	2022	1	2026
DDREX Capability Sets #1 and #2 Integration and Testing	1	2025	4	2026
DDREX System Critical Design Review	1	2023	1	2023
Soldier Assessment: Critical Design Review	1	2023	1	2023
Soldier Assessment: Engineering Development Model	3	2025	3	2025
Soldier Assessment: Live Fire	4	2025	4	2025
Soldier Assessment: Logistics Demonstration	4	2025	4	2025
Soldier Assessment: Cooperative Vulnerability Penetration Assessment	1	2026	1	2026
DDREX Developmental Test / Operational Tests	4	2025	4	2026
DDREX Follow-on Operational Test & Evaluation & Adversarial Assessment	2	2026	3	2026
Modernization, Emerging Threats and Testing (per VOLT)	1	2022	4	2027
DDREX Capability Sets #3 and #4 Development	1	2025	4	2027
DDREX Capability Sets #3 and #4 Integration and Testing	4	2026	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607150A / Intel Cyber 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	-	4.345	9.753	13.129	-	13.129	-	-	-	-	-	-
BS5: Intel Cyber Development	-	4.345	9.753	13.129	-	13.129	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Rapid Capability Development Program provides cutting edge Signals Intelligence, Electronic Warfare, and Cyberspace (SIGINT/EW/Cyber) capabilities to gain an advantage over rapidly emerging and changing threats in multiple domains. The capabilities enable Army mission commanders to execute overarching mission command and gain a significant competitive advantage inside of the threat's decision cycle. Further, rapid development efforts address capabilities needed to realize specified tasks outlined in the DoD Cyber Strategy and The Army's Operating Concept by integrating these multi-domain capabilities into modular and scalable platforms and architectures that are tailored to conduct expeditionary operations and accelerate the decision cycle across the range of military operations. Development of capabilities is derived from established JCIDs, CRDs, and ONS, and in response to Theater Army Commands and Functional/Geographic Combatant Command named operations.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	4.345	9.753	13.165	-	13.165
Current President's Budget	4.345	9.753	13.129	-	13.129
Total Adjustments	0.000	0.000	-0.036	-	-0.036
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.036	-	-0.036

Change Summary Explanation

Increase in funding from the previous PB is due to increased focus on the development of leading-edge multi-domain intelligence and cyberspace operations technologies.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607150A / Intel Cyber Development				Project (Number/Name) BS5 / Intel Cyber 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
BS5: Intel Cyber Development	-	4.345	9.753	13.129	-	13.129	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

INSCOM's SIGINT/EW/Cyberspace Capability Development Program is continuous and iterative; generally, when presented with a demand signal for development of a capability, the target delivery window is between 30 days up to 12 months. If INSCOM cannot deliver within the target window, INSCOM coordinates with Geographic and Functional Combatant Commands, ARCYBER and PdM-IW to develop an effective capability solution.

INSCOM's tools portfolio provides mission applications that serve as the "ammunition" needed to conduct operations and impose costs while enabling the organic software developers to build tools at the speed required for persistent engagement.

In addition, INSCOM maintains a robust development level of cutting-edge multi-domain electronic warfare, signals intelligence and cyberspace operations tools and weapons.

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

	FY 2024	FY 2025	FY 2026
Title: Offensive Cyberspace Operations Capability Development	4.345	9.753	13.129
Description: INSCOM's RDTE program provides the Army with low-density, high-demand, extremely advanced multi-domain intelligence collection and cyberspace technologies (SIGINT, EW, Cyberspace) designed to collect, process, exploit, and when directed, degrade, deny, disrupt, or destroy adversary C4I and shape the operational warfighting environment in order to create conditions favorable to the application of other elements of national power.			
FY 2025 Plans: Develop and support leading-edge multi-domain intelligence and cyberspace operations technologies designed to collect, process, exploit, and, when directed, degrade, deny, disrupt, or destroy threat command, control, communications, computers and intelligence (C4I) cyber systems to enable commanders in shaping the operational warfighting environment in order to create conditions favorable to the application of other elements of national power. Support the development of multi-domain intelligence and cyberspace operations technologies in direct support of the full range of missions called for in the National Defense Strategy, Comprehensive National Cyber-Security Initiative, National Security Strategy, National Defense Guidance, Defense Cyber Strategy, Presidential Policy Directive (PPD) 20, National Security Presidential Directive (NSPD) 54, Homeland Defense Presidential Directive (HSPD) 23, and The Army Operating Concept.			
INSCOM will address the operational force reports of increasing threat sophistication that requires matching pace in development of offensive capabilities to maintain critical advantage across the operational domains, particularly within the electromagnetic			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607150A / <i>Intel Cyber Development</i>	Project (Number/Name) BS5 / <i>Intel Cyber Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>spectrum focused on signals intelligence (SIGINT), electronic warfare (EW, composed of the sub-domains of Electronic Support and Electronic Attack), and cyberspace operations. Expand combatant command focal points in accordance with Secretary of the Army service component commander's emerging needs. The requirement to address NEER-PEER threat actors and Army multi-domain operations that are expanding across the warfighting domains drive the need to reduce development gaps in these capabilities.</p> <p><i>FY 2026 Plans:</i> Develop and support leading-edge multi-domain intelligence and cyberspace operations technologies designed to collect, process, exploit, and, when directed, degrade, deny, disrupt, or destroy threat command, control, communications, computers and intelligence (C4I) cyber systems to enable commanders in shaping the operational warfighting environment in order to create conditions favorable to the application of other elements of national power. Support the development of multi-domain intelligence and cyberspace operations technologies in direct support of the full range of missions called for in the National Defense Strategy, Comprehensive National Cyber-Security Initiative, National Security Strategy, National Defense Guidance, Defense Cyber Strategy, Presidential Policy Directive (PPD) 20, National Security Presidential Directive (NSPD) 54, Homeland Defense Presidential Directive (HSPD) 23, and The Army Operating Concept.</p> <p>INSCOM will address the operational force reports of increasing threat sophistication that requires matching pace in development of offensive capabilities to maintain critical advantage across the operational domains, particularly within the electromagnetic spectrum focused on signals intelligence (SIGINT), electronic warfare (EW, composed of the sub-domains of Electronic Support and Electronic Attack), and cyberspace operations. Expand combatant command focal points in accordance with Secretary of the Army service component commander's emerging needs. The requirement to address NEER-PEER threat actors and Army multi-domain operations that are expanding across the warfighting domains drive the need to reduce development gaps in these capabilities.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 funding increase due to increased focus on the development of leading-edge multi-domain intelligence and cyberspace operations technologies.</p>			
Accomplishments/Planned Programs Subtotals		4.345	9.753
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607150A / Intel Cyber Development				Project (Number/Name) BS5 / Intel Cyber 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
MDI Cyberspace Operations Capability Development	Various	Various : Various	31.606	4.345		9.753		13.129		-		13.129	Continuing	Continuing	Continuing
Subtotal			31.606	4.345		9.753		13.129		-		13.129	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			31.606	4.345		9.753		13.129		-		13.129	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607150A / Intel Cyber Development		Project (Number/Name) BS5 / Intel Cyber 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
IP-BASED OPERATIONS PLATFORMS																												
IP-BASED OPERATIONS PLATFORMS																												
AERIAL/GROUND-BASED PLATFORMS																												
AERIAL/GROUND-BASED PLATFORMS																												
REMOTE ACCESS CAPABILITIES																												
REMOTE ACCESS CAPABILITIES																												
CLOSE ACCESS CAPABILITIES																												
CLOSE ACCESS CAPABILITIES																												
PLATFORM CZ AND VISUALIZATION CAPABILITIES																												
PLATFORM CZ AND VISUALIZATION CAPABILITIES																												
TESTING & EVALUATION SUPPORT FOR RDTE CAPABILITIES																												
TESTING & EVALUATION SUPPORT FOR RDTE CAPABILITIES																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607150A / Intel Cyber Development	Project (Number/Name) BS5 / Intel Cyber Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
IP-BASED OPERATIONS PLATFORMS	1	2022	4	2029
AERIAL/GROUND-BASED PLATFORMS	1	2022	4	2029
REMOTE ACCESS CAPABILITIES	1	2022	4	2029
CLOSE ACCESS CAPABILITIES	1	2022	4	2029
PLATFORM CZ AND VISUALIZATION CAPABILITIES	1	2022	4	2029
TESTING & EVALUATION SUPPORT FOR RDTE CAPABILITIES	1	2022	4	2029

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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 7: Operational Systems Development					PE 0607212A I TENCAP Enhancements							
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	-	-	-	-	-	0.000	-	-	-	-	-	-
DM4: TENCAP OPERATIONAL SYSTEMS DEVELOPMENT*	-	-	-	-	-	0.000	-	-	-	-	-	-

*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

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	0.000	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0607312A / <i>Army Operational Systems 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	-	19.000	-	-	-	0.000	-	-	-	-	-	-
BR5: <i>Army Operational Systems Development</i>	-	19.000	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Army Operational System Development budget line includes development efforts across all Army Battlefield Operating Systems to upgrade systems that have been fielded or have received approval for full rate production. Systems in this budget line are characterized as having, or supporting programs that have received, Milestone C or Low Rate Initial Production (LRIP) approval.

Selected programs within this budget line will exhibit a logical progression of program phases, development and production funding within the FYDP, consistent with the Department's full funding policy.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	19.000	0.000	0.000	-	0.000
Current President's Budget	19.000	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>	PE 0607313A / <i>Electronic Warfare 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	-	6.389	5.559	-	-	0.000	-	-	-	-	-	-
CE2: <i>Prophet</i>	-	6.389	5.559	-	-	-	-	-	-	-	-	-

Note

Program Funding line to be transferred to Budget Activity (BA) 9 for Agile RDTE Portfolio Management Program Element 0609277A Electronic Warfare Agile Development / Project Code A86 Prophet, but no funding in FY 2026. FY 2026 funding transferred to BA 9 PE 0609277A Electronic Warfare Agile Development: Project A83 / Electronic Warfare Technology Maturation and A85 / EW SIGINT Technology Innovation Pipeline.

A. Mission Description and Budget Item Justification

This Program Element encompasses operational system development for this tactical ground-based Electronic Warfare (EW) and Terrestrial Signals Intelligence (SIGINT) system and employment applications. The systems under this program provide the Army with the capability to detect, identify, locate, collect/process, report, and engage (disrupt, degrade or deny) hostile forces to prevent their effective use of communications & non-communications networks, counter-mortar/counter-battery radars, surveillance radars, electronically fused munitions and other enemy threats using the Electro-Magnetic Spectrum (EMS). Prophet enables integration, interoperability and force modernization with emerging capabilities in support of Multi-Domain Operations.

<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	6.389	5.559	5.565	-	5.565
Current President's Budget	6.389	5.559	0.000	-	0.000
Total Adjustments	0.000	0.000	-5.565	-	-5.565
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-5.565	-	-5.565

Change Summary Explanation

FY 2026 funds transferred to Budget Activity (BA) 9 for Agile RDTE Portfolio Management Program Element 0609277A Electronic Warfare Agile Development: Project A83 / Electronic Warfare Technology Maturation and A85 / EW SIGINT Technology Innovation Pipeline.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607313A / <i>Electronic Warfare Development</i>				Project (Number/Name) CE2 / <i>Prophet</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
CE2: <i>Prophet</i>	-	6.389	5.559	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Project CE2 supports the Prophet Enhanced Program, the Army's current fielded terrestrial Signals Intelligence (SIGINT)/Electronic Warfare (EW) support system. Funds provide for development and integration of Signals of Interest (SOI); Technical Insertion (TI) engineering for Next Generation Signals; state-of-the-art SIGINT exploitation techniques to increase the capabilities of Prophet Enhanced; enabling the system to pace near peer; and emerging enemy threat signals. Additionally, funds provide for efforts to include engineering, development and testing to mitigate component obsolescence. The Prophet Enhanced is the tactical commander's organic ground-based SIGINT/EW support system. Its primary mission is to provide 24-hour situation development and information superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet Enhanced provides a modular, scalable, open architecture-based system solution optimized for ease of use in a variety of configurations. It also incorporates product modification, integration, evaluation and demonstration events of equipment for rapid integration of TIs and product development to ensure operational relevance.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Program Management									0.682	0.520	-	
Description: Engineering and technical oversight of the development of next generation signals.												
FY 2025 Plans:												
FY 2025 Funds will provide for continued matrix and contractor system engineering support for the Prophet program.												
FY 2025 to FY 2026 Increase/Decrease Statement:												
FY2026 decrease due to realignment to IEW Relevancy.												
Title: Signal of Interest upgrades									2.854	2.853	-	
Description: The Signal Environment that Prophet Systems exploit is constantly contested with evolving threats. This environment creates gaps in Prophet's ability to collect and exploit these signals. Prophet must integrate the latest emerging Intelligence Community (IC), commercial solutions, and capabilities from other sources to remain relevant against these numerous, key, and high-priority emerging threats.												
FY 2025 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army								Date: June 2025			
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0607313A / <i>Electronic Warfare Development</i>			Project (Number/Name) CE2 / <i>Prophet</i>				
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2024	FY 2025	FY 2026	
FY 2025 will Continue development and integration of Next Generation SIGINT capabilities into the Prophet SIGINT Software (PS2). The new signals and libraries of signals address key exploitation gaps in the Prophet system's ability to collect against key tactical near peer signals and emerging threats. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY2026 decrease due to realignment to IEW Relevancy.											
<i>Title:</i> Componnet Obsolescence Engineering <i>Description:</i> Due to the highly technical nature of Prophet Enhanced, over the course of time, many components on the system are no longer produced or supported, which necessitates non-recurring engineering (NRE) to integrate, incorporate, test new and replacement parts. <i>FY 2025 Plans:</i> FY 2025 will Continue obsolescence engineering and conduct customer testing for components on the Prophet Enhanced systems. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY2026 decrease due to realignment to IEW Relevancy.								2.853	2.186	-	
Accomplishments/Planned Programs Subtotals								6.389	5.559	-	
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>
• BZ9751: <i>SPECIAL PURPOSE SYSTEMS</i>	4.169	6.541	-	-	-	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The Prophet Research and Development (R&D) Acquisition Strategy is structured to maintain operational relevancy of Prophet Enhanced systems in a dynamic threat environment while reducing risk and streamlining business and engineering processes. Contracting activities are to maintain SIGINT relevance and complete TIs to Prophet Enhanced systems to pursue the latest SOIs and design against obsolescence annually. The TI contract supports R&D and other developmental work.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607313A / <i>Electronic Warfare Development</i>				Project (Number/Name) CE2 / <i>Prophet</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
Program Management	C/Various	PM Electronic Warfare & Cyber : APG, MD	1.701	0.682	Nov 2023	0.520	Nov 2024	-		-		-	0.000	2.903	-
Subtotal			1.701	0.682		0.520		-		-		-	0.000	2.903	N/A
Remarks Efforts will be accomplished via a combination of Matrixed Government Support as well as competitive contract Systems Engineering and Technical Assistance (SETA) award.															
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
Signal of Interest Upgrades	SS/CPFF	GD Mission Systems and Various Supporting Organizations : Scottsdale, AZ	5.939	2.854	Dec 2023	2.853	Mar 2025	-		-		-	0.000	11.646	-
Component Obsolescence Engineering	SS/CPFF	GD Mission Systems and Various Supporting Organizations : Scottsdale, AZ	9.450	2.853	Dec 2023	2.186	Mar 2025	-		-		-	0.000	14.489	-
Subtotal			15.389	5.707		5.039		-		-		-	0.000	26.135	N/A
Remarks Efforts will be accomplished via sole sourced contract to ensure systems remain relevant against emerging enemy threat signals and that any components of the system that become obsolete or are no longer produced can be re-engineered.															
			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			17.090	6.389		5.559		-		-		-	0.000	29.038	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0607313A / <i>Electronic Warfare Development</i>								Project (Number/Name) CE2 / <i>Prophet</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
Prophet Enhanced Technical Insertion																																					
Customer Testing (2025)																																					
Customer Testing (2027)																																					
Customer Testing (2029)																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607313A / <i>Electronic Warfare Development</i>	Project (Number/Name) CE2 / <i>Prophet</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Prophet Enhanced Technical Insertion	1	2020	4	2029
Customer Testing (2025)	2	2025	3	2025
Customer Testing (2027)	2	2027	3	2027
Customer Testing (2029)	2	2029	3	2029

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics
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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	-	0.768	0.590	1.594	-	1.594	-	-	-	-	-	-
DU2: Management Agency	-	0.768	0.590	1.594	-	1.594	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

DU2 / Non-MIP Biometrics - Biometrics Enabling Capability 0 (BEC 0), aka DoD Automated Biometrics Identification System (DoD ABIS), is an Army information technology system supporting identity superiority by providing the critical core capability for Warfighters to identify known or suspected threat actors in Multi Domain Operations (MDO) to include peer adversaries, terrorists and third country nationals. BEC 0 is an Army Program of Record and DoD's only authoritative biometric repository, providing 24/7 operational support for the Warfighter and interagency partners to decide and act in near-real time with timely identification and identity verification of known or suspected threat actors across the full range of military operations. DoD ABIS enables actionable intelligence supporting offensive operations and preventing espionage, sabotage, terrorist operations and other coercive actions against US forces and partner nations. DoD ABIS enables the Army, all other DOD components, Interagency and International Partners to effectively impede adversary's ability to conceal their identity and intentions. DoD ABIS supports all three objectives of the National Defense Strategy to increase lethality, enhance International Cooperation, and improve business practices.

The Defense Forensics and Biometrics Agency (DFBA), under the Provost Marshal General, fulfills the Secretary of the Army's Executive Agent (EA) responsibilities for DoD forensics and biometrics activities. In addition, DFBA is the proponent to establish and maintain Research, Development, Test & Evaluation (RDT&E) and information management support throughout the Armed Services and DoD. DFBA leads and facilitates the development, improvement, and implementation of efficiencies to developed and deployed biometric technologies for Combatant Commands (CCMDs), Services, DoD, and Agencies; facilitates transition of capabilities that contribute to the enhancement of the biometric community; increases Joint Service interoperability; and empowers the warfighter by improving operational effectiveness on the battlefield. The DFBA strategy pursues technology opportunities through scientific discovery and makes investments responsive to specific requirements identified by combat developers.

Justification:

FY 2026 funding in the amount of \$1.594 million for Project DU2 will provide DFBA the ability to actively manage research efforts to address DoD biometrics objectives and requirements. DFBA supports the conduct of biometric and forensics activities (e.g. standards conformance and interoperability assessments), provides guidance to the research and development community, assists DoD acquisition organizations, and coordinates efforts with DoD and interagency stakeholders. This level of engagement promotes information sharing across the biometrics community to maximize utility of RDT&E efforts.

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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 7: Operational Systems Development		PE 0607665A I Family of Biometrics			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.797	0.590	1.601	-	1.601
Current President's Budget	0.768	0.590	1.594	-	1.594
Total Adjustments	-0.029	0.000	-0.007	-	-0.007
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.029	-			
• Adjustments to Budget Years	-	-	-0.007	-	-0.007
Change Summary Explanation					
FY 2026 increase to provide Defense Forensics and Biometrics Agency (DFBA) the ability to actively manage research efforts to address DoD biometrics objectives and requirements.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DU2 / Management Agency			
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
DU2: Management Agency	-	0.768	0.590	1.594	-	1.594	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Forensics and Biometrics Agency (DFBA), under the Provost Marshal General, fulfills the Secretary of the Army's Executive Agent (EA) responsibilities for all DoD forensics and biometrics activities. As the proponent, DFBA supports and provides oversight for Research, Development, Test & Evaluation (RDT&E) activities and information management throughout the Armed Services and DoD. DFBA leads and facilitates in the development of improvement and implementation of efficiencies to developed and deployed biometric technologies for Combatant Commands (CCMDs), Services, DoD, and Agencies; facilitates transition of capabilities that contribute to the enhancement of the biometric community; increases Joint Service interoperability; and empowers the warfighter by improving operational effectiveness on the battlefield. The DFBA strategy pursues technology opportunities through scientific discovery and makes investments responsive to specific requirements identified by combat developers.

Justification:

FY 2026 funding in the amount of \$1.594million for Project DU2 will provide DFBA the ability to actively manage research efforts to address DoD biometrics objectives and requirements. DFBA supports the conduct of biometric and forensics activities (e.g. standards conformance and interoperability assessments), provides guidance to the research and development community, assists DoD acquisition organizations, and coordinates efforts with DoD and interagency stakeholders. This level of engagement promotes information sharing across the biometrics community to maximize utility of RDT&E efforts.

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

	FY 2024	FY 2025	FY 2026
Title: Development and Implementation of Biometric Technologies	0.768	0.590	1.594
Description: Biometrics and Forensics Technologies Research			
FY 2025 Plans: FY 2025 funding in the amount of \$.590 million for Project DU2 will provide DFBA the ability to actively manage research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA supports the conduct of biometric and forensics activities (e.g. standards conformance and interoperability assessments), support to DoD acquisition organizations, and provision of subject matter expertise to DoD and non-DoD government stakeholders.			
FY 2026 Plans: FY 2026 funding in the amount of \$1.594 million for Project DU2 will provide DFBA the ability to actively manage research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA supports the conduct of biometric and forensics activities (e.g. standards conformance and interoperability assessments), support to DoD acquisition organizations, and provision of subject matter expertise to DoD and non-DoD government stakeholders.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DU2 / Management Agency		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2026 increase due to development and implementation of biometrics technologies.				
Accomplishments/Planned Programs Subtotals		0.768	0.590	1.594
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
DFBA uses a variety of existing contract vehicles to support the continued development of technology advancements for the fingerprint, face, iris, palm, DNA reference, and voice modalities. In addition to advancing the state of the art, these efforts enable DFBA to produce updated standards and architectures for the DoD Biometrics and Forensics Enterprise in support of interoperability objectives.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DU2 / Management Agency					
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
DFBA RDTE efforts	MIPR	Various Activities : Various locations	17.166	0.768		0.590		1.594		-		1.594	Continuing	Continuing	-
Subtotal			17.166	0.768		0.590		1.594		-		1.594	Continuing	Continuing	N/A
Remarks															
Continuation of development of state of the art sensor capabilities enables the advancement of collection, match, share, and store capabilities. As sensors mature and take advantage of new spectra for biometric identification, the results from these capabilities enable DFBA to proactively advance the standards and architectures needed to use the advanced capabilities.															
			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			17.166	0.768		0.590		1.594		-		1.594	Continuing	Continuing	N/A
Remarks															

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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 / 7					PE 0607665A / Family of Biometrics					DU2 / Management Agency				

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
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice																												
DFBA Interoperability																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DU2 / Management Agency

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice	1	2024	4	2028
DFBA Interoperability	1	2024	4	2028

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607865A I Patriot Product Improvement							
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	-	170.729	168.458	183.763	-	183.763	-	-	-	-	-	-
DJ6: Effector Product Improvement	-	-	86.238	125.541	-	125.541	-	-	-	-	-	-
DV8: Patriot Product Improvement	-	170.729	82.220	58.222	-	58.222	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This funding line is a key enabler of the Army Modernization Priorities in support of the PATRIOT surface to air missile system. PATRIOT is an integral part of the Integrated Air and Missile Defense (IAMD) Architecture and enables the incremental fielding of the IAMD Battle Command System (IBCS) capability for Army Air and Missile Defense Battalions.

The PATRIOT Product Improvement Program (PIP) provides the upgrade of the PATRIOT System and the IAMD system through software improvements and individual materiel changes and upgrades to current force and IAMD-connected PATRIOT system components to address operational lessons-learned and necessary system performance improvements to include enhancements that support joint force interoperability and enable convergence with IBCS to ensure overmatch capability. DJ6 supports activities related to software and hardware for advanced integrated fires control, interceptors and M903 launchers to counter the advanced and emerging threats / DV8 supports activities related to ground system equipment, and current radar.

As software and hardware improvements are developed, there is a continuing need for system level modeling, simulation, integration and testing. Modeling and Simulation (M&S) allow for performance assessment against emerging threats in a manner that is not practical to demonstrate with live fire flight tests alone due to cost, target availability, and range constraints. Flight testing is periodically required for validation of the modeling and simulation as well as satisfying Army Test and Evaluation Command/ Director, Operational Test and Evaluation (ATEC/DOTE) requirements of segment improvements.

This effort supports work with national agencies to evaluate, assess, and develop means to mitigate threat trends and specific threat developments potentially impacting system performance including effective detection, tracking, discrimination, and engagement. Specific improvements may be developed and fielded under this task if warranted. The effort maintains the Mission Tailoring Database and its responses to immediate tactical concerns. Database updates are fielded between major software upgrades as necessary.

The PIP line also supports the identification, analysis, design, and test of materiel solutions to counter cyber security and electronic warfare shortcomings to all elements of the Lower Tier Battle Space.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				
GDS specific efforts will support continued advanced fire control and interceptor software refinement of Integrated Fires Program Increment (PI) software build leading up to the Integrated Fires Test Campaign-26 (IFTC-26) which will be the first opportunity to test Guam Defense Systems (GDS) improvements with the System of Systems architecture. This funding will also support a Field Readiness and Acceptance Test (FRAT) in late FY26.						
FY 2026 base dollars in the amount of \$183.763 million support the continuance of critical software improvements for current force PATRIOT and Army IAMD integration, including Software Improvement for Threat Evolution, PAC-3 Seeker Software Improvement, Upper Tier Debris Mitigation, THAAD/PATRIOT Interoperability, Advanced Electronic Counter Measures (AECM), Combat ID enhancements, Tasks 2, 6, and 7 activities, program integration, modeling and simulation, acquisition of test assets and targets, Mobile Flight Mission Simulator (MFMS), Patriot Component Software Build (PCSB) software, development, test and integration activities for Pacific Defense Initiative, Integrated Fires Architecture Fire Control Development, convergence with the IBCS, and government and contractor support.						
FY 2026 funding in the amount of \$14.988 million supports the Pacific Defense Initiative.						
The FY 2026 request for Patriot Product Improvement includes \$125,541 thousand of discretionary and \$15,000 thousand of mandatory (reconciliation) for a total of \$140,541 thousand. The mandatory funds provide support for Aviation and Missile Command support for all-digital and Hardware in the Loop (HWIL), Modeling and Simulation (M&S) efforts: Millimeter-wave Simulation System - 1 (MSS-1), Millimeter-wave Simulation System - 2 (MSS-2), PATRIOT Simulation (PATSIM), threats and targets. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.						
The FY 2026 request was reduced by \$1.518 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		177.197	168.458	168.617	-	168.617
Current President's Budget		170.729	168.458	183.763	-	183.763
Total Adjustments		-6.468	0.000	15.146	-	15.146
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-6.468	-			
• Adjustments to Budget Years		-	-	15.146	-	15.146
Change Summary Explanation						
Funding change in FY 2026 from the previous PB to the current PB reflects an increase of \$15.146 million to support Air and Missile Defense (AMD) Effectors Survivability.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				Project (Number/Name) DJ6 / Effector Product Improvement			
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
DJ6: Effector Product Improvement	-	-	86.238	125.541	-	125.541	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2025, Project DJ6 / Effector Product Improvement efforts were realigned within PE 0607865A / Patriot Product Improvement from Project DV8/Patriot Product Improvement.

A. Mission Description and Budget Item Justification

The Effector Product Improvement (DJ6) upgrades lower tier effectors (interceptors, fire control and M903 launching stations) to address operational lessons learned, enhancements to joint force interoperability and communications, and other system performance improvements to provide overmatch capability against the emerging threat.

The FY 2026 request for Effector Product Improvement includes \$125,541 thousand of discretionary and \$15,000 thousand of mandatory (reconciliation) for a total of \$140,541 thousand. The mandatory funds provide support for Aviation and Missile Command support for all-digital and Hardware in the Loop (HWIL), Modeling and Simulation (M&S) efforts: Millimeter-wave Simulation System - 1 (MSS-1), Millimeter-wave Simulation System - 2 (MSS-2), PATRIOT Simulation (PATSIM), threats and targets. Further information for this reconciliation request is provided in Section 20003 of the Reconciliation Exhibit.

DJ6 PIP activities support enduring components of the system as legacy PATRIOT Ground Equipment is sunset with fielding of Integrated Battle Command System (IBCS). As components, software, and hardware improvements are developed, there is a continuing need for system level modeling, simulation, integration and testing. Modeling and Simulation (M&S) allow for performance assessment against specific threats in a manner that is not practical to demonstrate with live fire flight tests alone due to cost, target availability, and range constraints. Flight testing is periodically required for M&S validation as well as satisfying ATEC/DOTE requirements of segment improvements.

In FY2026, DJ6 funding in the amount of \$125.541 million will support test and development of improvements to currently fielded PATRIOT Family of Missiles (PFoM) and M903 launching stations to keep pace with current and emerging threats, support Guam Defense Systems specific efforts, and support Integrated Fires Control development and testing for the Army's Integrated Air and Missile Defense.

- U.S. Government Program Management of DJ6 PIP efforts supporting system interceptors, launching stations, and associated materiel.
- AMD Effectors Survivability efforts enhance electronic protection across lower tier effectors (MSE interceptors, fire control and M903 launching stations).
- PAC-3 Software Development Against Threat supports improved missile capability to counter current and emerging electronic attack threats.
- Integrated PAC-3 Fire Control Development provides funding to support PAC-3 Fire Control and Link on ELES (LoE) development for integration with IBCS to enable Army Integrated Air and Missile Defense Modernization.
- DEVCOM and Other Agencies provides funding for government labor to support product development to keep pace with current threats.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement	Project (Number/Name) DJ6 / Effector Product Improvement		
<div>-Supports systems engineering for LTI interceptors, launching stations, and associated materiel.</div> <div>-PDI funding supports development of PAC-3 missile and fire control software enhancements required to counter Guam Defense System (GDS) specific threats not achievable with current fire control.</div> <div>-Provides funding for contractor T&E activities in support of test planning, conduct testing, and test analyses; provides studies and support to ensure these components continue to evolve to defeat emerging threats.</div> <div>-Integrated PAC-3 Fire Control provides funding to support PAC-3 Fire Control and Link on ELES (LoE) testing for integration with IBCS to enable Army Integrated Air and Missile Defense Modernization.</div> <div>-DEVCOM and Other Agencies provide systems engineering support for test and evaluation activities (includes planning, test event support, and data evaluation).</div> <div>-Targets/Threat Simulation supports planning, design, and acquisition of targets for Lower Tier Interceptors (LTI) test events.</div> <div>-Supports integration and testing for PCSB activities, full system level capabilities across various extended architecture, and other Engineering Change Proposal (ECP). This support includes test design, planning, integration, execution, and reporting testing efforts and provides support for testbed fire units and associated tactical and non-tactical ancillary equipment.</div> <div>-Modeling and Simulation supports performance assessment activities against all threats that would not be possible with flight tests due to cost, target and range constraints</div>					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Title: Effector Product Improvement			-	86.238	125.541
Description: The DJ6 PIP Program supports Integrated Fires Control development and testing, upgrades lower tier effectors (interceptors and M903 launching stations) to address operational lessons learned, enhancements to joint force interoperability and communications, and other system performance improvements to provide overmatch capability against the emerging threat.					
FY 2025 Plans: Activities continued below were funded through project DV8 prior to FY25					
-Continue program development through system level modeling, simulation, integration and test support to address emerging threats					
-Continue test program to include utilization of targets/threat simulators, flight simulator and modeling efforts to maintain effectiveness					
-Continue supporting Integrated PAC-3 Fire Testing					
-Continue PATRIOT program M&S laboratory infrastructure maintenance as well as the conduct of M&S for hardware/software capability improvements					
-U.S. Government and contractor support to ensure force effectiveness is maintained to keep pace with evolving and emerging threats					
-Continue system integration activities, test and analysis, and threat analysis and modeling					
-Continue development of PAC-3 Fire Control and LoE					
FY 2026 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement	Project (Number/Name) DJ6 / Effector Product Improvement		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Activities continued below were funded through project DV8 prior to FY25 -Continue program development through system level modeling, simulation, integration and test support to address emerging threats -Continue test program to include utilization of targets/threat simulators, flight simulator and modeling efforts to maintain effectiveness -Continue supporting Integrated Fires and current force PATRIOT integrated fires PAC-3 missile segment testing -Continue PATRIOT program M&S laboratory infrastructure maintenance as well as the conduct of M&S for hardware/software capability improvements -Continue U.S. Government and contractor support to ensure force effectiveness is maintained to keep pace with evolving and emerging threats -Continue system integration activities, test and analysis, and threat analysis and modeling -Continue development of PAC-3 Fire Control and LoE -Continue AMD Effectors Survivability efforts for enhanced electronic protection across lower tier effectors (interceptors, fire control and M903 launching stations) -Continue development of PAC-3 MSE and Fire Control Enhancements specific to GDS for use in developmental testing in the LTAMDS/IBCS configuration. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 increase of \$39.303 million will fund AMD Effectors Survivability and continue support efforts related to Guam Defense System, integrated fires control, and test programs.					
Accomplishments/Planned Programs Subtotals			-	86.238	125.54
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
The design objective of Lower Tier Interceptors is to provide effectors capable of modification to cope with continuing threat evolution. The DJ6 PATRIOT Product Improvement Program (PIP) funds are utilized to minimize technological risks and provide means of enhancing effector capability to address new and emerging threats through planned upgrades of deployed systems. The DJ6 PIP Program upgrades lower tier effectors (interceptors and M903 launching stations) to address operational lessons learned, enhancements to joint force interoperability and communications, and other system performance improvements to provide overmatch capability against the emerging threat. Upgrades are implemented through individual hardware and software materiel changes and fielded incrementally. This program encompasses several changes which will require the use of a variety of acquisition methods to develop, test, procure and field. Future hardware and software capabilities will be incorporated into PATRIOT Component Software Build (PCSB) releases and continue convergence efforts with IBCS. Developing, fabricating, and testing hit to kill					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement	Project (Number/Name) DJ6 / Effector Product Improvement
<p>surface to air missile and associated ground support equipment provides essential increases in battle space, accuracy, lethality and firepower to counter and destroy evolving air defense threats. These state-of-the-art capabilities and enhancements require ongoing demonstration through a series of flight tests and modeling and simulation activities to add survivability and resiliency in a denied environment. The lower tier effectors components are part of enduring system in integrated fires development efforts that include survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. DJ6 effort includes integration with an evolving fire control mission command, common development tools and processes, MSE enhancements, threat modeling, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement					Project (Number/Name) DJ6 / Effector Product 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
Government Program Management	MIPR	RSA, AL : RSA, AL	-	-		0.927	Jun 2025	1.418	Nov 2025	-		1.418	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		3.148		-		-		-	Continuing	Continuing	-
Subtotal			-	-		4.075		1.418		-		1.418	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
AMD Effectors Survivability	C/TBD	Various : Various	-	-		-		15.146	Jan 2026	-		15.146	Continuing	Continuing	-
PAC-3 Seeker Software Improvement	Various	Multiple : Multiple	-	-		11.787	Jun 2025	12.675	Apr 2026	-		12.675	Continuing	Continuing	-
Integrated PAC-3 Fire Control Development	Various	Multiple : Multiple	-	-		14.071	Jun 2025	10.120	Jan 2026	-		10.120	Continuing	Continuing	-
DEVCOM and OGA	MIPR	RSA, AL : RSA, AL	-	-		6.644	Jun 2025	7.529	Feb 2026	-		7.529	Continuing	Continuing	-
Systems Engineering	Various	Multiple : Multiple	-	-		3.296	Jun 2025	3.950	Dec 2025	-		3.950	Continuing	Continuing	-
Development and Integration for the Pacific Defense Initiative	Various	Multiple : Multiple	-	-		-		14.988	Dec 2025	-		14.988	Continuing	Continuing	-
Subtotal			-	-		35.798		64.408		-		64.408	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
Contractor T&E / SETA	Various	Multiple : Various	-	-		4.068	May 2025	7.363	Jan 2026	-		7.363	Continuing	Continuing	-
Integrated PAC-3 Fire Control Testing	Various	Multiple : Various	-	-		-		4.751	Mar 2026	-		4.751	Continuing	Continuing	-
DEVCOM and Other Govt Agencies	MIPR	RDEC and OGAs : RSA, AL	-	-		6.624	Jun 2025	7.116	Dec 2025	-		7.116	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement						Project (Number/Name) DJ6 / Effector Product 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
Targets/Threat Simulation	MIPR	Various : Huntsville, AL	-	-		11.814	Jun 2025	15.515	Dec 2025	-		15.515	Continuing	Continuing	-
Program Integration and Test MSE	Various	LMMFC and Raytheon : Dallas, TX and Waltham, MA	-	-		15.777	Jun 2025	16.920	Apr 2026	-		16.920	Continuing	Continuing	-
Modeling and Simulation	MIPR	Various : Huntsville, AL	-	-		8.082	May 2025	8.050	May 2026	-		8.050	Continuing	Continuing	-
Subtotal			-	-		46.365		59.715		-		59.715	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			-	-		86.238		125.541		-		125.541	Continuing	Continuing	N/A
Remarks															
AMD Effectors Survivability, Development and Integration for the Pacific Defense Initiative and Integrated PAC-3 Fire Control Testing were previously funded under DV8.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement		Project (Number/Name) DJ6 / Effector Product 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
Government Program Management																												
Government Program Management																												
AMD Effector Survivability																												
Integrated PAC-3 Fire Control Development																												
Integrated PAC-3 Fire Control Development																												
DEVCOM and OGA (Product Development)																												
DEVCOM and OGA (Product Development)																												
DEVCOM and Other Agencies (Test and Evaluation)																												
DEVCOM and Other Agencies (Test and Evaluation)																												
PAC-3 Seeker Software Improvement																												
PAC-3 Seeker Software Improvement																												
Development and Integration for the Pacific Defense Init...																												
Development and Integration for the Pacific Defense Initiative																												
Contractor T&E / SETA																												
Contractor T&E																												
Integrated PAC-3 Fire Control Testing																												
Integrated PAC-3 Fire Control Testing																												
Systems Engineering																												
Systems Engineering																												
Targets/Threat Simulation																												
Targets/Threat Simulation																												
Program Integration and Test MSE																												
Program Integration MSE																												
Modeling and Simulation																												
Modeling and Simulation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / <i>Patriot Product Improvement</i>		Project (Number/Name) DJ6 / <i>Effector Product Improvement</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Government Program Management	1	2024	4	2030
AMD Effector Survivability	2	2026	4	2030
Integrated PAC-3 Fire Control Development	1	2024	4	2030
DEVCOM and OGA (Product Development)	1	2024	4	2030
DEVCOM and Other Agencies (Test and Evaluation)	1	2024	4	2030
PAC-3 Seeker Software Improvement	1	2024	4	2030
Development and Integration for the Pacific Defense Initiative	1	2026	4	2030
Contractor T&E / SETA	1	2024	4	2030
Integrated PAC-3 Fire Control Testing	1	2026	4	2030
Systems Engineering	1	2024	4	2030
Targets/Threat Simulation	1	2024	4	2030
Program Integration and Test MSE	1	2024	4	2030
Modeling and Simulation	1	2024	4	2030

Note

Activities displayed on schedule prior to FY 2025 were funded through project DV8 / Patriot Product Improvement.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				Project (Number/Name) DV8 / Patriot Product Improvement			
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
DV8: Patriot Product Improvement	-	170.729	82.220	58.222	-	58.222	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The PATRIOT system includes a family of hardware, software, interceptors (PAC-2, Guidance Enhanced Missiles, PAC-3 and PAC-3 Missile Segment Enhancement) and Ground Support Equipment. PATRIOT system components (interceptors, launcher, and radar) are integrated with current force PATRIOT and Army Integrated Air and Missile Defense (IAMD) components, including IBCS. As PATRIOT system components software and hardware improvements are developed, there is a continuing need for system level modeling, simulation, integration and testing. Modeling and Simulation (M&S) allow for performance assessment against specific threats in a manner that is not practical to demonstrate with live fire flight tests alone due to cost, target availability, and range constraints. Flight testing is periodically required for M&S validation as well as satisfying ATEC/DOTE requirements of segment improvements.

The FY 2026 funding in the amount of \$58.222 Million supports the following:

- PATRIOT system components software and hardware improvements for threat evolution: Performs necessary analysis and development efforts to maintain PATRIOT system (interceptors, ground support equipment, and current radar) effectiveness against evolving threat technologies and capabilities, support convergence with the IBCS, and complete PATRIOT Component Software Builds (PCSB). This effort identifies evolving threats and threat characteristics that present a challenge to PATRIOT's current capabilities and develops initial concepts to maintain system effectiveness including detection, tracking, discrimination, and engagement relative to these threats. Additionally, evolving threat information is used to develop, integrate, and assess evolving lethality models in high-fidelity interceptor simulations supporting system level assessment of hit-to-kill and warhead interceptor performance.
- Advanced Electronic Counter Measures (AECM): This task investigates the implications of advanced technology Digital Radio Frequency Memory available on airborne platforms that enables new ECM techniques which could adversely degrade Air and Missile Defense System effectiveness. AECM efforts support PATRIOT system interceptors, ground support equipment, and current radar.
- Task 2: Implements improved ground system and interceptor capabilities (PATRIOT Advanced Capability-2/Guidance Enhanced Missiles, PATRIOT Advanced Capability-3, and Missile Segment Enhancement) to counter emerging Tactical Ballistic Missile threats.
- Task 6: Software improvements enhance ground support equipment and current radar discrimination of higher altitude Tactical Ballistic Missile Re-entry Vehicles (RVs) from associated objects to support the full engagement capabilities of the interceptor. Longer-range detection, track, and improved high-altitude discrimination are required to achieve the required lethality performance against the RV and to mitigate and reduce missile wastage against separation debris. This task leverages the signal processing capabilities of the Radar Digital Processor, and supports the high altitude engagements required by the PATRIOT Advanced Capability-3 (PAC-3) and PAC-3 Missile Segment Enhancement (MSE) missiles.
- Task 7: Performs analysis on existing and evolving Tactical Ballistic Missile (TBM) countermeasures to determine the effects on PATRIOT system effectiveness. Develops hardware and software concepts to address countermeasure effects to ensure the PATRIOT system maintains its effectiveness. Develops detailed system requirements to implement concepts; design/code/test software implementation leveraging Radar Digital Processor, Modernized Adjunct Processor, Enhanced Weapons Control Computer - Emulator and Flight Solution Computer-Redesign processing capabilities. Implements simulation-based concepts to define trade space and establish

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement	Project (Number/Name) DV8 / Patriot Product Improvement		
system requirements. -Combat ID Enhancements: Develop and implement improvements to the Radar Digital Processor-Capability Combat ID capabilities and additional Non-Cooperative Target Recognition techniques to further mitigate misclassification and fratricide risk, and to provide the Warfighter with improved situational awareness. This effort mitigates detection, tracking, and engagement errors on friendly targets. -Upper-Tier Debris Mitigation (UTDM): Implements algorithms to mitigate system impacts of debris from Upper Tier intercepts associated with operating in the Ballistic Missile Defense System (BMDS) environment. Debris from Upper Tier intercepts can cause significant radar loading effects and the potential for erroneous engagements and missile wastage on debris. -THAAD/PATRIOT Interoperability: Implements improvements to THAAD/PATRIOT Interoperability and addresses Joint Defense Network deficiencies that impact Tactical Ballistic Missile battle management and force/engagement operations. Efforts concentrate on joint, collaborative force operations (defense design and planning) and enhanced Tactical Digital Information Link - Joint interoperability. -Mobile Flight Mission Simulator (MFMS) is a real-time system exerciser integrated with tactical ground hardware to simulate signals into the radar. The MFMS is part of the simulation and testing infrastructure required to support fielded PATRIOT. -Integrated Fires Architecture Fire Control Development: Perform Integrated Fire Architecture Fire Control Development improvements to address evolving and newly fielded threats providing analysis, engineering, prototyping, testing, and tactical software implementation of improvements. -U.S. Government and contractor support for PIP efforts supporting system interceptors, ground support equipment, and current radar provide studies and support to ensure the system and its components continue to evolve to defeat emerging threats.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: PATRIOT Product Improvement		164.261	82.220	58.222
Description: Patriot Product improvement line provides continuous improvement to current force PATRIOT and Army IAMD to keep pace with and counter evolving and emerging threats.				
FY 2025 Plans: -Continue Software Improvement for Threat Evolution and AECM to address emerging threats and convergence with IBCS -Continue Combat ID enhancements to reduce fratricide potential -Continue Tasks 2, 6, and 7 activities to develop hardware and software to maintain PATRIOT system effectiveness in the field -Continue program development through system level modeling, simulation, integration and test support to address emerging threats and convergence with IBCS -Continue test program to include utilization of targets/threat simulators, flight simulator and modeling efforts to maintain system effectiveness -Continue supporting Integrated Fires Testing -Development and integration in support of the Pacific Defense Initiative -Continue Ballistic Missile Defense System (BMDS) Integration Testing -Continue PATRIOT program M&S laboratory infrastructure maintenance as well as the conduct of M&S for hardware/software capability improvements				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement		Project (Number/Name) DV8 / Patriot Product Improvement
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
-U.S. Government and contractor support to ensure force effectiveness is maintained to keep pace with evolving and emerging threats -Continue IBCS convergence and PCSB effort -Continue system integration activities, test and analysis, and threat analysis and modeling -Continue A-PNT prototype demonstration, test and evaluation activities, and data analysis FY 2026 Plans: -Continue Software Improvement for Threat Evolution and AECS to address emerging threats and convergence with IBCS -Continue Combat ID enhancements to reduce fratricide potential -Continue Tasks 2, 6, and 7 activities to develop hardware and software to maintain PATRIOT system effectiveness in the field -Continue program development through system level modeling, simulation, integration and test support to address emerging threats and convergence with IBCS -Continue test program to include utilization of targets/threat simulators, flight simulator and modeling efforts to maintain system effectiveness -Continue supporting Integrated Fires Testing -Continue Ballistic Missile Defense System (BMDS) Integration Testing -Continue PATRIOT program M&S laboratory infrastructure maintenance as well as the conduct of M&S for hardware/software capability improvements -U.S. Government and contractor support to ensure force effectiveness is maintained to keep pace with evolving and emerging threats -Continue IBCS convergence and PCSB effort -Continue system integration activities, test and analysis, and threat analysis and modeling -Continue A-PNT prototype demonstration, test and evaluation activities, and data analysis FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 decrease is consistent with the planned lifecycle of this effort.				
Title: SBIR/STTR Transfer Description: Funding transferred in accordance with Title 15 USC §638.		6.468	-	-
Accomplishments/Planned Programs Subtotals		170.729	82.220	58.222

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607865A / <i>Patriot Product Improvement</i>	Project (Number/Name) DV8 / <i>Patriot Product Improvement</i>	

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>
• C50700: <i>Patriot Mods</i>	262.447	171.958	757.800	-	757.800	-	-	-	-	-	-

Remarks

The improvements/enhancements developed through the PATRIOT Product Improvement Program (PIP) are interrelated with the hardware kits that are procured and installed under the Missile Procurement, Army (MIPA) appropriation's PATRIOT Mods program.

D. Acquisition Strategy

The design objective of the PATRIOT system was to provide a baseline system capable of modification to cope with continuing threat evolution. This program minimizes technological risks and provides a means of enhancing system capability through planned upgrades of deployed systems. The PATRIOT Product Improvement Program upgrades the PATRIOT system and the Army IAMD system to address operational lessons learned, enhancements to joint force interoperability and communications, and other system performance improvements including detection, tracking, discrimination, and engagement to provide overmatch capability against the emerging threat. Upgrades are implemented through individual hardware and software materiel changes and fielded incrementally. This program encompasses several changes which will require the use of a variety of acquisition methods to develop, test, procure and field. Future hardware and software capabilities will be incorporated into Patriot Component Software Build (PCSB) releases and continue convergence efforts with IBCS. Developing, fabricating, and testing hit to kill surface to air missile and associated ground support equipment provides essential increases in battle space, accuracy, lethality and firepower to counter and destroy evolving air defense threats. These state-of-the-art capabilities and enhancements require ongoing demonstration through a series of flight tests and modeling and simulation activities to add survivability and resiliency in a denied environment. The PATRIOT system is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				Project (Number/Name) DV8 / Patriot Product 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
Government Program Management	MIPR	RSA, AL : RSA, AL	28.461	4.515	Jan 2024	2.325	Jan 2025	2.372	Jan 2026	-		2.372	Continuing	Continuing	-
U.S. Contracts	Various	Multiple : Multiple	15.040	1.770	Feb 2024	0.911	Feb 2025	0.929	Feb 2026	-		0.929	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	Various : Various	-	-		3.001		-		-		-	0.000	3.001	-
Subtotal			43.501	6.285		6.237		3.301		-		3.301	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
Software Improvement for Threat Evolution	Various	Multiple : Multiple	84.664	9.374	Jan 2024	6.625	Jan 2025	6.258	Jan 2026	-		6.258	Continuing	Continuing	-
Advanced Electronic Counter Measures (AECM)	Various	Multiple : Multiple	138.116	6.972	Jan 2024	6.195	Jan 2025	1.679	Jan 2026	-		1.679	Continuing	Continuing	-
Task 2 Non-Ballistic Tactical Ballistic Missile (TBM)	Various	Multiple : Multiple	67.786	6.515	Feb 2024	4.115	Feb 2025	3.197	Feb 2026	-		3.197	Continuing	Continuing	-
Task 6 Discrimination Improvements	Various	Multiple : Multiple	62.225	4.872	Feb 2024	4.194	Feb 2025	3.278	Feb 2026	-		3.278	Continuing	Continuing	-
Task 7 TBM Countermeasures / Effectors	Various	Multiple : Multiple	81.399	14.641	Feb 2024	8.741	Feb 2025	6.269	Feb 2026	-		6.269	Continuing	Continuing	-
Assured PNT	Various	Multiple : Multiple	23.279	5.024	Feb 2024	4.659	Feb 2025	4.752	Feb 2026	-		4.752	Continuing	Continuing	-
Combat ID Enhancements	Various	Multiple : Multiple	77.033	11.250	Feb 2024	6.250	Feb 2025	6.375	Feb 2026	-		6.375	Continuing	Continuing	-
Tactical Telemetry Ground Station	Various	Multiple : Multiple	2.250	1.600	Feb 2024	1.648	Feb 2025	1.681	Feb 2026	-		1.681	Continuing	Continuing	-
PAC-3 Seeker SW Improvement	Various	Multiple : Multiple	39.538	6.408	Feb 2024	-		-		-		-	0.000	45.946	-
CDCC and OGAs	MIPR	RSA : RSA	2.486	0.918	Oct 2023	0.876	Oct 2024	0.894	Oct 2025	-		0.894	Continuing	Continuing	-
Program Integration MSE LMMFC	Various	LMMFC : Dallas, TX	40.739	9.130	Feb 2024	-		-		-		-	0.000	49.869	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				Project (Number/Name) DV8 / Patriot Product Improvement					
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
MSE/PAC-3 Raytheon	Various	Raytheon : Watham, Massachusetts	15.000	2.710	Feb 2024	-		-		-		-	0.000	17.710	-
SETA Contracts	Various	Multiple : Multiple	6.618	1.010	Feb 2024	0.983	Feb 2025	1.012	Feb 2026	-		1.012	Continuing	Continuing	-
Development and Integration for the Pacific Defense Initiative	TBD	Various : Various	-	20.000	Feb 2024	5.901	Feb 2025	-		-		-	0.000	25.901	-
Development and Integration for the Pacific Defense Initiative PCSB 1.0	TBD	Various : Various	-	26.340	Feb 2024	8.580	Feb 2025	-		-		-	0.000	34.920	-
Subtotal			641.133	126.764		58.767		35.395		-		35.395	Continuing	Continuing	N/A
Remarks															
The contract method type Sole Source/Various is Fixed Price Level of Effort which includes Cost Plus Fixed Fee for material, ODC, and travel.															
FY2026 PDI funding in the amount of \$15.029 million is in support of Effector Product Improvement DJ6.															
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
CCDC and Other Govt Agencies	MIPR	RDEC and OGA'S : RSA, AL	26.001	3.370	Jan 2024	1.735	Jan 2025	1.770	Jan 2026	-		1.770	Continuing	Continuing	-
Targets/Threat Simulation	MIPR	Various : Huntsville, AL	81.278	16.402	Jan 2024	2.050	Jan 2025	2.601	Jan 2026	-		2.601	Continuing	Continuing	-
Modeling and Simulation	MIPR	Various : Huntsville, AL	10.422	3.283	Jan 2024	1.660	Jan 2025	1.693	Jan 2026	-		1.693	Continuing	Continuing	-
Contractor T&E	Various	Multiple : Various	21.801	3.355	Jan 2024	1.328	Jan 2025	1.763	Jan 2026	-		1.763	Continuing	Continuing	-
Other T&E	MIPR	Various : WSMR, NM	21.421	1.590	Feb 2024	1.525	Feb 2025	1.901	Feb 2026	-		1.901	Continuing	Continuing	-
Mobile Flight Mission Simulator	SS/FPIF	Raytheon : Massachusetts	3.593	4.400	Feb 2024	3.532	Feb 2025	4.252	Feb 2026	-		4.252	Continuing	Continuing	-
PDB-8.1/PCSB	MIPR	Various : WSMR, NM	21.873	5.280	Nov 2023	5.386	Nov 2024	5.546	Nov 2025	-		5.546	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement				Project (Number/Name) DV8 / Patriot Product 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
Subtotal			186.389	37.680		17.216		19.526		-		19.526	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			871.023	170.729		82.220		58.222		-		58.222	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement		Project (Number/Name) DV8 / Patriot Product 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
Software Build																												
Software Build (PDB 8.1/PCSB V 1.0/BCS Convergence Build)																												
Advanced Electronic Counter Measures (AECM)																												
AECM																												
Software Improvement for Threat Evolution																												
Software Threat																												
Combat ID Enhancements																												
Combat ID Enhancements																												
Task 2 Non-Ballistic Tactical Ballistic Missile (TBM)																												
Task 2 Non-Ballistic TBM																												
Task 6 Discrimination Improvements																												
Task 6 Discrimination Improvements																												
Task 7 TBM Countermeasures / Effectors																												
Task 7 TBM Countermeasures																												
Assured PNT																												
Assured PNT																												
PATRIOT System Testing, Integration and Evaluation																												
PATRIOT System Testing, Integration and Evaluation																												
Program Development, Integration, and Support																												
Program Development, Integration, and Support																												
Testing, Targets, Modeling and Simulation																												
Testing, Targets, Modeling and Simulation																												
Developmental/Operational Flight Testing																												
Developmental/Operational Flight Testing																												
Follow-On Flight Testing																												
Follow-On Flight Testing																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7									R-1 Program Element (Number/Name) PE 0607865A / Patriot Product Improvement t									Project (Number/Name) DV8 / Patriot Product 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
PCSB V 1.0 Full Software Release (FSR)					<div>1</div> PCSB V 1.0 FSR												<div>2</div> PCSB v 2.0 FSR											
PCSB v 2.0 Full Software Release (FSR)																												
PDB 8.1/PCSB Fieldings																												
	PDB-8.1/PCSB Fieldings				<div></div> IFTC25				<div></div> IFTC26												<div>3</div> PCSB v 3.0 FSR							
IFTC25																												
IFTC26																												
PCSB v 3.0 Full Software Release (FSR)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607865A / <i>Patriot Product Improvement</i> <i>t</i>	Project (Number/Name) DV8 / <i>Patriot Product Improvement</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Build	4	2005	4	2029
Advanced Electronic Counter Measures (AECM)	1	2014	4	2029
Software Improvement for Threat Evolution	1	2014	4	2029
Combat ID Enhancements	1	2014	4	2029
Task 2 Non-Ballistic Tactical Ballistic Missile (TBM)	1	2015	4	2029
Task 6 Discrimination Improvements	1	2014	4	2029
Task 7 TBM Countermeasures / Effectors	1	2015	4	2029
Assured PNT	1	2020	4	2027
PATRIOT System Testing, Integration and Evaluation	1	2016	4	2029
Program Development, Integration, and Support	1	2016	4	2029
Testing, Targets, Modeling and Simulation	1	2016	4	2029
Developmental/Operational Flight Testing	3	2020	4	2029
Follow-On Flight Testing	4	2022	4	2029
PDB 8.1 Material Release	4	2023	4	2023
PCSB V 1.0 Full Software Release (FSR)	4	2025	4	2025
PCSB v 2.0 Full Software Release (FSR)	4	2028	4	2028
PDB 8.1/PCSB Fieldings	4	2023	4	2029
IFTC25	3	2025	4	2025
IFTC26	3	2026	4	2026
PCSB v 3.0 Full Software Release (FSR)	2	2029	2	2029

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203728A I Joint Automated Deep Operation Coordination System (JADOCS)							
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	-	37.535	27.582	8.424	-	8.424	-	-	-	-	-	-
EF7: Precision Fires Warrior Dismounted & Mounted	-	4.267	7.275	8.424	-	8.424	-	-	-	-	-	-
EF8: AFATDS Increment 1	-	33.268	20.307	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Fire support is the effect of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious and special operations who engage enemy forces, combat formations and facilities in pursuit of tactical and operational objectives. Fire Support Command and Control (FSC2) systems automate the planning and execution of fire support operations so appropriate munitions are paired with suitable weapons or group of weapons to adequately cover targets. These activities are crucial to supporting Army C2 applications strategy to enable and execute LRPF as part of the combined joint all-domain command and control capabilities that reinforce Joint All Domain Operations (JADO). FSC2 products will leverage artificial intelligence (AI)/machine learning (ML) to expand capabilities across a dispersed area of operations.

Precision Fires-Dismounted/Mounted (PF-D/M) and Advanced Field Artillery Tactical Data System (AFATDS) are software only programs that are using a Continuous Integration/Continuous Delivery (CI/CD) approach to software development and capability deployment. This includes utilizing modern software development methodologies, tools/techniques (e.g., DEVSECOPS) and human-centered design processes (e.g., Soldier Touch Points [STPs]) to iteratively develop and deliver software to meet Warfighter priority needs. The CI/CD approach features continuous development and integration with testing and user engagements (STPs) as integral parts of the process to ensure delivered capability satisfies requirements and adds value for the Warfighter.

PF-D/M is a software application that provides the dismounted and mounted Forward Observer (FO) and Fire Support Teams (FISTs) the ability to execute fire missions. Operating on the Nett Warrior End User Device (EUD), PF-D offers the dismounted FO and FISTs the ability and functionality to locate ground targets accurately and rapidly process a Call for Fires, which is the act of requesting a fire mission against the identified ground target. PF-D answers the Mobile/Handheld Computing Environment (M/HH CE) requirement that all handheld applications reside on the Nett Warrior EUD. PF-M replaces the Lightweight Forward Entry Device's (LFED) Forward Observer Software (FOS) at the maneuver company FIST, allowing them to identify ground targets and request fire missions. PF-M answers the Mounted Computing Environment (MCE) requirement to reside on the Mounted Family of Computing Systems (MFoCS).

AFATDS provides the Army and Marine Corps automated fire support command, control and communications and supports Hypersonic and LRPF capabilities by 1) serving as the key sensor-to-shooter link for the Army and Marine Corps; and 2) providing fully automated support for planning, coordinating, controlling and executing fires and effects. The supported LRPF systems include Extended Range Guided Multiple Launch Rocket System (ER-GMLRS) and Precision Strike Missile System (PrSM). AFATDS also provides Joint Targeting support to multi-domain operations (the Army's contribution to JADO) and will address emerging sensor-to-shooter initiatives. Other Joint and Multinational capabilities supported include the Navy Marine Expeditionary Ship Interdiction System (NMESIS), and Australia's AS9 Self-propelled Howitzer and ASSEGA 155mm family of munitions.

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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 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0203728A / <i>Joint Automated Deep Operation Coordination System (JADOCS)</i>
<p>AFATDS is used to plan, execute, and deliver lethal and non-lethal effects and provides Joint/Coalition Situational Awareness for fires execution and mission management. The system interoperates and integrates with over 80 different battlefield systems, including Navy and Air Force command and control weapons systems.</p> <p>The FY 2026 request was reduced by \$0.071 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>As a member of the Artillery System Cooperation Agreement (ASCA), AFATDS is interoperable with 17 Coalition partner nation fire support C2 systems.</p> <p>AFATDS modernization efforts, which will be executed under the auspices of Artillery Execution Suites (AXS), will transition this capability to a data centric model postured for deployment to a variety of hosting environments (e.g., cloud, laptop, tablet, server) that, in addition to setting conditions for C2 application strategy implementation, will enhance kill chain responsiveness, improve cyber security posture and optimize future upgrades. Development will support new ballistic requirements, including upgrading precision calculation data to support Hypersonic, LRPF and other new capabilities, such as an enhanced user interface, embedded training, and incorporation of emerging artificial intelligence/machine learning (AI/ML) technologies. AFATDS AXS along with the complementary Joint Targeting Command and Coordination System (JTIC2S) will converge to a Fires Safety Critical Baseline (FSCB) with shared common services and backend architecture. The FSCB is a converged baseline that will enable individual Fires programs to avoid rework and duplication of efforts by providing a common framework upon which to support the development of unique capabilities and characteristics of individual Fires program.</p> <p>FY 2026 funding in the amount of \$8.495 million is allocated to Project EF7: Precision Fires Warrior - Dismounted/Mounted and will be utilized for continued development of PF-D/M capabilities into the targeted computing environments, including Net-enabled weapons capability with joint services. Funding also supports alignment with Nett Warrior architecture changes for Precision Fires software to integrate with Mounted Mission Command-Software (MMC-S) and operate within the MCE, as well as vehicle integration into the Fire Support Team Bradley-Fire Support Team (BFIST) and Stryker platforms.</p> <p>FY 2026 funding for Project EF8 was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers. The capability being developed under this project remains critical and relevant to the Warfighter. This capability, along with its resources and requirement will transition under the overarching NGC2 capability to eliminate stove-piping, reduce duplication of effort, and provide capability within a single NGC2 core architecture.</p>		

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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 7: Operational Systems Development		PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	42.177	27.582	35.987	-	35.987
Current President's Budget	37.535	27.582	8.424	-	8.424
Total Adjustments	-4.642	0.000	-27.563	-	-27.563
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-3.220	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.422	-			
• Adjustments to Budget Years	-	-	-27.563	-	-27.563
Change Summary Explanation					
FY 2026 funding for Project EF8 has been realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers. The capability being developed under this project remains critical and relevant to the Warfighter. This capability, along with its resources and requirement will transition under the overarching NGC2 capability to create a unified and streamlined ecosystem.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & 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
EF7: Precision Fires Warrior Dismounted & Mounted	-	4.267	7.275	8.424	-	8.424	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding enables the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.

PF-D/M is a software only program that is using a Continuous Integration/Continuous Delivery (CI/CD) approach to software development and capability deployment. This includes utilizing modern software development methodologies, tools/techniques (e.g., DEVSECOPS) and human-centered design processes (e.g., Soldier Touch Points [STPs]) to iteratively develop and deliver software to meet Warfighter priority needs. The CI/CD approach will feature continuous development and integration with testing and user engagements (STPs) as integral parts of the process to ensure delivered capability satisfies requirements and adds value for the Warfighter.

PF-D/M is a software application that provides the dismounted and mounted Forward Observer (FO) and Fire Support Teams (FISTs) the ability to execute fire missions. Operating on the Nett Warrior End User Device (EUD), PF-D provides the dismounted FO and FISTs the ability and functionality to locate ground targets accurately and rapidly process a Call for Fires, which is the act of requesting a fire mission against the identified ground target. PF-D answers the Mobile/Handheld Computing Environment requirement that all handheld applications reside on the Nett Warrior EUD. PF-M replaces the Lightweight Forward Entry Device's (LFED) Forward Observer Software (FOS) at the maneuver company FIST, allowing them to identify ground targets and request fire missions. PF-M answers the Mounted Computing Environment (MCE) requirement to reside on the Mounted Family of Computing Systems (MFOCS).

FY 2026 funding of \$8.424 million will be utilized for continued development of capabilities into the targeted computing environments, including net-enabled weapons capability with joint services. Funding also supports alignment with Nett Warrior architecture changes for Precision Fires software to integrate with Mounted Mission Command-Software (MMC-S) and operate within the MCE on fire support vehicles to include vehicle integration of BFIST and Stryker.

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

	FY 2024	FY 2025	FY 2026
Title: Program Management Support Costs for PF-D/M	0.736	-	0.900
Description: Program support for Precision Fires Dismounted/Mounted (PF-D/M) software development efforts. This includes contractor and matrix support.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Ope ration Coordination System (JADOCS)	Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Project management support to include government matrix and contract personnel for management of systems integration, engineering development/integration, operations, and safety/information assurance. Management of PF-M systems integration into two vehicle platforms. FY 2025 to FY 2026 Increase/Decrease Statement: FY2025 PMO costs moved to Procurement to allow for maximum integration into vehicle platforms. FY26 increase realigns FTEs to RDTE.				
Title: PF-D/M Software Development Description: PF-D/M Software Development. FY 2025 Plans: Continued modifications to PF-D software to align with Nett Warrior architecture changes for hosting on the EUD. Continue PF-M software integration with MMC-S for hosting on the MFCs on fire support platforms. Continue to incorporate necessary software changes to accommodate net-enabled weapons capability for joint service. Platform integration into HMMWV and BFIST. FY 2026 Plans: Continued modifications to PF-D software to align with Nett Warrior architecture changes for hosting on the EUD. Continue PF-M software integration with MMC-S for hosting on the MFCs on fire support platforms. Continue to incorporate necessary software changes to accommodate net-enabled weapons capability for joint service. Platform integration into BFIST and Stryker. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 slight decrease due to renegotiated labor rates.		3.149	7.239	6.921
Title: Testing for PF-D/M Description: Conduct and Support Army Testing Activities for PF-D/M. FY 2025 Plans: Internal Verification and Validation, Developmental Test and Soldier Touchpoint activities for both PF-D and PF-M to support Continuous Integration and Continuous Delivery (CI/CD) of software capabilities to meet Warfighter needs. FY 2026 Plans: Continue Internal Certification and Validation, Developmental Test and STP activities for both PF-D and PF-M to support CI/CD of software capabilities to meet Warfighter needs. FY 2025 to FY 2026 Increase/Decrease Statement:		0.382	0.036	0.603

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)	Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
FY 2026 increase due to testing of two vehicle variants.			
Accomplishments/Planned Programs Subtotals	4.267	7.275	8.424

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
• BZ9851: POCKET FORWARD ENTRY DEVICE (PFED)	2.213	2.695	3.389	-	3.389	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Precision Fires-Dismounted/Mounted (PF-D/M) is an Acquisition Category III program established to satisfy requirements captured in the Pocket-sized Forward Entry Device (PFED) Inc 2 Capability Production Document (CPD), which was approved as an IT Box requirement in 2016. Future requirements that fall within the CPD's scope and will be approved by the Fires Support Command and Control (FSC2) Tactical Software Requirements Governance Board and be documented in Fire Support Change Requests (FSCRs), formerly referred to as Tactical Software Change Requests (TSCRs). Although the Milestone B approved in 2015 codified a blocking approach to provide structure for incremental capability development over time, the adoption of a Continuous Integration/Continuous Delivery (CI/CD) construct eliminates the need for the blocks to define the capability delivered. PF-D/M is developed in partnership with a government integrator.

Beginning in FY24, PF-D/M is using a CI/CD approach by iteratively updating fielded software to address user feedback and changes implemented by the host hardware (e.g., Nett Warrior End User Device [EUD]) for PF-D.) A similar process will be employed for PF-M, although the lengthy platform integration timeline may influence the PF-M feedback and response rates. Continuously delivering the PF-D/M capabilities is the goal; however, the actual OPTEMPO will be driven by the fielding plans and prioritization for Nett Warrior EUD (PF-D) and Mounted Mission Command-Software (MMC-S) (PF-M) integration in fires support vehicle variants.

Current strategy encompasses the continuation of PF-D software development with additional capabilities for the handheld environment and the development and integration of PF-M, an adaptation of the PF-D software for the mounted environment. PF-M replaces the Lightweight Forward Entry Devices (LFED) Forward Observer Software (FOS) at the maneuver company Fire Support Team and is different from PF-D in that it resides on the mounted platforms and leverages the vehicle's interfaces. The first generation of PF-M will reside on the Mounted Family of Computer Systems computer to meet the Mounted Computing Environment directive. Like Nett Warrior, PdM Mounted Mission Command (MMC) (formerly Joint Battle Command - Platform (JBC-P)) will provide a TAK-based infrastructure called MMC-Software to run the PF-M capabilities as a plugin. The PF-M will continue to be developed in partnership with a government integrator and will reuse previously developed components available under the TAK architecture to serve as the mounted baseline to satisfy mission requirements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)				Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & 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
Program Management Support for PF-D/M (Matrix)	IA	Various Mix Orgs (Govt) : APG, MD	0.927	0.558	Feb 2024	-		0.300	Oct 2024	-		0.300	0.000	1.785	Continuing
Program Management Support for PF-D/M (Contract)	Option/CPFF	DISA/DITCO : APG, MD	-	-		-		0.600	Feb 2026	-		0.600	0.000	0.600	-
Subtotal			0.927	0.558		-		0.900		-		0.900	0.000	2.385	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
PF-D/M Software Development efforts	IA	DEVCOM C5ISR, ESI : APG, MD	24.919	3.133	Oct 2023	7.239	Oct 2024	6.921	Oct 2025	-		6.921	Continuing	Continuing	Continuing
Training (Interactive Electronic Technical Manuals (IETM))	IA	TYAD : Tobyhanna, PA	0.319	0.200		-		-		-		-	0.000	0.519	-
Subtotal			25.238	3.333		7.239		6.921		-		6.921	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 Support (Engineering Release)	Various	Testing : Various	1.761	0.376	Oct 2023	0.036	Feb 2025	0.603	Oct 2024	-		0.603	Continuing	Continuing	Continuing
Subtotal			1.761	0.376		0.036		0.603		-		0.603	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			27.926	4.267		7.275		8.424		-		8.424	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army							Date: June 2025			
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)		Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & 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										

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)		Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted

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
PF-D/M Continuous Software (SW) Development/Integration																												
PF-D/M Continuous Testing/Soldier Touchpoints																												
PF-M HMMWV Integration																												
PF-M BFIST Integration																												
PF-M Stryker Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)	Project (Number/Name) EF7 / Precision Fires Warrior Dismounted & Mounted	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone B	3	2015	3	2015
Limited Deployment Decision (LDD)	4	2016	4	2016
Operational Test (OT)	4	2016	4	2016
Full Deployment Decision (FDD)	2	2017	2	2017
Initial Operational Capability (IOC)	3	2017	3	2017
Build Decision (BD) Block 2	2	2018	2	2018
PF-D SW Development Block 2	2	2019	1	2022
LDD Block 2	2	2021	2	2021
Operational Test and Evaluation (OT&E) Block 2	3	2021	3	2021
Build Decision (BD) Block 3	1	2022	1	2022
Full Deployment Decision Block 2	2	2022	2	2022
PF-D/M Continuous Software (SW) Development/Integration	2	2024	4	2030
PF-D/M Continuous Testing/Soldier Touchpoints	1	2024	4	2030
PF-M HMMWV Integration	1	2024	2	2025
PF-M BFIST Integration	2	2025	2	2026
PF-M Stryker Integration	2	2026	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Ope ration Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1			
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
EF8: AFATDS Increment 1	-	33.268	20.307	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project EF8 funding in FY 2026 and beyond was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers. The capability being developed under this project remains critical and relevant to the Warfighter. This capability, along with its resources and requirement will transition under the overarching NGC2 capability to create a unified and streamlined ecosystem.

A. Mission Description and Budget Item Justification

Project EF8 funding in FY 2026 and beyond was realigned in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers. This capability, along with its resources and requirement will transition under the overarching NGC2 capability to eliminate stove-piping, reduce duplication of effort, and provide capability within a single NGC2 core architecture.

AFATDS is used to plan, execute, and deliver lethal and non-lethal effects and provides Joint/Coalition Situational Awareness for fires execution and mission management. AFATDS provides the Army and Marine Corps automated fire support command, control and communications and supports Hypersonic and LRP capabilities by 1) serving as the key sensor-to-shooter link for the Army and Marine Corps; and 2) providing fully automated support for planning, coordinating, controlling and executing fires and effects. The supported LRP systems include Extended Range Guided Multiple Launch Rocket System (ER-GMLRS) and Precision Strike Missile System (PrSM). AFATDS also provides Joint Targeting support to multi-domain operations and will address emerging sensor-to-shooter initiatives. Other Joint and Multinational capabilities include the Navy Marine Expeditionary Ship Interdiction System (NMESIS), and Australia's AS9 Self-propelled Howitzer and ASSEGA 155mm family of munitions.

The system interoperates and integrates with over 80 different battlefield systems, including Navy and Air Force command and control weapons systems. As a member of the Artillery System Cooperation Agreement (ASCA), AFATDS is interoperable with 17 coalition partner nation fire support C2 systems. The program is currently fielding the AFATDS 6.8 baseline, which automates the planning, coordination, and control of all fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, offensive electronic warfare, fire support meteorological systems, forward observers, and fire support radars).

A software only program, AFATDS is using a Continuous Integration/Continuous Delivery (CI/CD) approach to capability development and deployment. This includes employing modern software development methodologies (e.g., agile, etc.), tools/techniques (e.g., DEVSECOPS, etc.) and human-centered design processes (e.g., Soldier Touch Points [STPs], etc.) to iteratively develop and deliver software that meets Warfighter priority needs. The CI/CD approach will feature continuous development and integration with testing and user engagements (STPs) as integral parts of the process to ensure delivered capability satisfies requirements and adds value for the Warfighter.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)	Project (Number/Name) EF8 / AFATDS Increment 1		
AFATDS modernization efforts, which will be executed under the auspices of Artillery Execution Suites (AXS), and leverage a data centric model postured for deployment to a variety of hosting environments (e.g., cloud, laptop, tablet, server) that, in addition to setting the stage to enable Army C2 applications strategy implementation, will enhance kill chain responsiveness, improve cyber security posture and optimize future upgrades. Development will support new ballistic requirements, including upgrading precision calculation data to support Hypersonic, LRPF and other evolving capabilities, such as an enhanced user interface, embedded training, and incorporation of emerging artificial intelligence/machine learning (AI/ML) technologies. AFATDS AXS along with the complementary Joint Targeting Command and Coordination System (JTIC2S) will converge to a Fires Safety Critical Baseline (FSCB) with shared common services and backend architecture. The FSCB is a converged baseline that will enable individual Fires programs to avoid rework and duplication of efforts by providing a common framework upon which to support the development of unique capabilities and characteristics of individual Fires program.				
FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: AFATDS software development efforts Description: Development of AFATDS (AXS) software. FY 2025 Plans: Continue development of data centric capability postured for deployment in multiple hosting environments (e.g., cloud, laptop, tablet, server) to enhance kill chain responsiveness, improve cyber security posture and reduce cost and timelines for future upgrades. Modernization development will support new ballistic requirements, including upgrading precision calculation data to support Hypersonics and LRPF capabilities, while enhancing the User Interface and providing embedded training, and implementing the Army Data Plan. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.		30.292	20.007	-
Title: AFATDS Test Description: Internal verification and validation testing, developmental, Soldier Touch Points/exercises throughout the Continuous Integration/Continuous Delivery of the software. FY 2025 Plans: Internal Verification and Validation, developmental and Soldier Touchpoint activities to support Continuous Integration/Continuous Delivery (CI/CD) approach. FY 2025 to FY 2026 Increase/Decrease Statement:		0.195	0.300	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Ope ration Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.												
Title: Program Management Costs for AFATDS software development										2.781	-	-
Description: Provide program support for AFATDS software development efforts.												
Accomplishments/Planned Programs Subtotals										33.268	20.307	-
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	
• B28620: MOD OF IN- SVC EQUIP, AFATDS	7.839	12.312	-	-	-	-	-	-	-	-	-	
Remarks												
Funding in FY 2026 and beyond was realigned to Line BA9301, Item Number B99418 in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.												
D. Acquisition Strategy												
AFATDS, based on the Jun 2011 Joint Requirements Oversight Council (JROC) validated AFATDS Inc 2 Capability Development Document (CDD), will modernize the underlying architecture of AFATDS leveraging current software development methodologies (e.g., agile) and techniques (i.e., DEVSECOPS) which will create baseline code that is easier to sustain than the legacy software. This approach was codified on 13 May 2015, when the Army Acquisition Executive (AAE) approved AFATDS as a modification to the existing program, continuing it as an Acquisition Category (ACAT) II defense acquisition program (DAP) (non-Automated Information System) with PEO C3T oversight. AFATDS software will be hosted on previously fielded and/or unit procured hardware postured for hosting to a wide variety of environments (e.g., laptop, server, cloud, etc.) in accordance with user needs at different echelons.												
The AFATDS 7 contract was awarded in 2017 via full and open competition; however, due to continual vendor schedule delays and projected cost overruns associated with the estimate at completion, a stop work order was issued in Jan 2023 and a Bilateral termination was completed in Mar 2023. An alternate strategy (under the auspices of the AFATDS Artillery Execution Suite (AXS)) has been implemented to continue software modernization, initially using a government developer/integrator. AFATDS AXS is being developed as a Fires Safety Critical Baseline (FSCB) sharing a converged backend architecture and common services with the complementary Joint Targeting Command and Coordination Suite (JTIC2S). Future development and enhancements are expected to be executed via DEVCOM AC and the use of Task Orders against future Army wide C2 contract vehicles, incorporating of best-of-breed solutions and modern agile software development practices and will be leveraged by other programs across the Army. The schedule (R-4) reflects the strategic changes and adoption of a Continuous Integration/Continuous Delivery (CI/CD) approach												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Ope ration Coordination System (JADOCS)	Project (Number/Name) EF8 / AFATDS Increment 1
<p>This new strategy combines the modernization efforts with hypersonic/LRPF enhancements and is intended to support continuous delivery of modernized capabilities that address emerging munitions and firing platforms.</p> <p>JROC Memorandum (JROCM) 083-11, which concurred with the CDD validation, provided an additional flexibility by delegating approval authority for identifying and approving future capability requirements that fall within the CDD's scope to an established governance body, FSC2 Tactical Software Requirements Governance Board. This requirements strategy promotes evolutionary development by facilitating requirement refinement and the incorporation of the latest technology to address emerging threats.</p> <p>Beginning in FY24, PdM FSC2 converted to a CI/CD approach to modernize the AFATDS capabilities by leveraging automated software engineering and testing to the maximum extent. This effort will mitigate cyber vulnerabilities, update back-end code to a modern language, improve the user interface to reduce user workload and include embedded training to enable on-demand refresher training on key system capabilities for Soldiers 24/7/365. By migrating to this agile development approach, employing DEVSECOPS, and releasing software on an accelerated basis, the program will be more responsive to emerging user, hypersonic, and Long Range Precision Fires (LRPF) needs/munitions. Additionally, it maximizes flexibility to receive technology insertions to respond to new munitions and/or firing/hosting platforms.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)						Project (Number/Name) EF8 / AFATDS Increment 1			
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 for AFATDS (Matrix)	IA	Various Matrix Orgs (Govt) : Aberdeen PG, MD	6.883	1.350	Oct 2023	-		-		-		-	0.000	8.233	-
Program Management Support for AFATDS (SETA Contr)	Various	DISA/DITCO : Aberdeen PG, MD	8.695	2.025	Mar 2024	-		-		-		-	0.000	10.720	-
Subtotal			15.578	3.375		-		-		-		-	0.000	18.953	N/A
Remarks FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.															
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 Modernization/ Development	IA	DEVCOM AC : Picatinny Arsenal, NJ	-	29.499	Oct 2023	20.007	Oct 2024	-		-		-	0.000	49.506	-
Subtotal			-	29.499		20.007		-		-		-	0.000	49.506	N/A
Remarks FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) 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
Developmental Testing for AFATDS v7.x	IA	Multiple Govt Test Agencies (ATEC, ATC, OTC) : Multiple	1.512	-		-		-		-		-	0.000	1.512	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Ope ration Coordination System (JADOCS)				Project (Number/Name) EF8 / AFATDS Increment 1					
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
Internal Verification and Validation of AFATDS 7.x requirements	MIPR	Egility : Various Locations	2.266	-		-		-		-		-	0.000	2.266	-
AFATDS Continuous Test and Evaluation	IA	Various : Various	-	0.394		0.300	Jan 2025	-		-		-	0.000	0.694	-
Subtotal			3.778	0.394		0.300		-		-		-	0.000	4.472	N/A
Remarks															
FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.															
			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			19.356	33.268		20.307		-		-		-	0.000	72.931	N/A
Remarks															
FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems.															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 7

[illegible]

PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)

Project (Number/Name)	Start Date	End Date	Status	Manager	Budget (USD)	Actual Cost (USD)	Progress (%)	Risk Level	Notes
101	2023-01-15	2023-03-31	Completed	John Doe	150000	148000	100	Low	Project completed ahead of schedule.
102	2023-02-01	2023-05-15	In Progress	Jane Smith	200000	180000	90	Medium	Minor delays in procurement.
103	2023-03-01	2023-06-30	On Hold	Mike Johnson	180000	0	0	High	Waiting for client approval.
104	2023-04-01	2023-07-31	Planned	Sarah Lee	220000	0	0	Medium	Initial planning phase.
105	2023-05-01	2023-08-31	On Hold	David Kim	190000	0	0	Low	Resource allocation pending.
106	2023-06-01	2023-09-30	Planned	Emily White	210000	0	0	Medium	Market research in progress.
107	2023-07-01	2023-10-31	Planned	Chris Brown	230000	0	0	High	Complex project with many dependencies.
108	2023-08-01	2023-11-30	Planned	Alex Green	200000	0	0	Medium	Vendor selection underway.
109	2023-09-01	2023-12-31	Planned	Mia Black	170000	0	0	Low	Initial scope definition.
110	2023-10-01	2024-01-31	Planned	Noah Grey	240000	0	0	High	Strategic initiative for next year.

EF8 / AFATDS Increment 1

[illegible]

Note

FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of Army-prioritized Next Generation Command and Control Data and Application Layer efforts.

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203728A / Joint Automated Deep Operation Coordination System (JADOCS)	Project (Number/Name) EF8 / AFATDS Increment 1	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
AFATDS Continuous Development/Integration	1	2023	4	2025
AFATDS Continuous Testing/Soldier Touchpoints	3	2023	4	2025

Note
FY 2026 funding and beyond was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, for the Data and Application Layers. The capability being developed under this project remains critical and relevant to the Warfighter. This capability, along with its resources and requirement will transition under the overarching NGC2 capability to eliminate stove-piping, reduce duplication of effort, and provide capability within a single NGC2 core architecture.

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs							
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	-	223.719	326.579	744.085	-	744.085	-	-	-	-	-	-
280: RECOV VEH IMPROV PROG	-	12.715	-	-	-	-	-	-	-	-	-	-
330: Abrams Tank Improve Prog	-	181.027	251.718	723.505	-	723.505	-	-	-	-	-	-
DD4: AMPV Improvement Program	-	11.903	12.325	10.757	-	10.757	-	-	-	-	-	-
EE2: Stryker Improvement	-	18.074	62.536	9.823	-	9.823	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Program Element 0203735A Combat Vehicle Improvement Programs corrects vehicle deficiencies identified during Army operations; continues technical system upgrades to include the integration of applicable technologies on ground systems; addresses needed evolutionary enhancements to tracked combat vehicles; and develops technology improvements which have application to or insertion opportunities across multiple Ground Combat Systems vehicles. This Program Element provides combat effectiveness and Operating and Support cost reduction enhancements for the Recovery Vehicle Improvement program, Abrams tanks, Bradley Fighting Vehicles, Armored Multi-Purpose Vehicles, and the Stryker Family of Vehicles through a series of product improvements.

The Combat Recovery System/M88 HERCULES vehicle program is an Engineering Change Proposal (ECP) that allows the current recovery vehicle to regain Single Vehicle Recovery (SVR) for the heaviest tracked combat vehicle as defined in the Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES) Enhanced M88A2E1 Capability Production Document Increment 2 dated 20 January 2017. The fielded M88A2 HERCULES lacks the necessary power, weight, and braking ability to safely support the recovery of the M1A2SEPV2 as well as the M1A2SEPV3 in all situations. The M88A3 vehicles will meet the operational capability for single vehicle recovery. The increased winching and lifting capability will accommodate all 80-ton Abrams variants. Without this increased capability, units must use two M88A2 Medium Recovery Vehicles to perform the necessary spectrum of recovery operations.

The Abrams M1A2SEPV2/v3 and M2/M3A3 Bradley Fighting Vehicles are at or exceed Space, Weight, and Power-Cooling (SWaP-C) limitations. In order to host and restore lost platform capability, the Abrams Tank and Bradley Fighting Vehicle programs previously executed a series of Engineering Change Proposals (ECPs) to support embedded systems and to facilitate integration of technologies developed under other existing Programs of Record. The ECPs were not intended to exceed the operational capability outlined in system requirements documents but rather ensured that the existing system performance was not further degraded and that Army mission equipment packages could be integrated on the Abrams and Bradley Platforms. The strategy for Abrams and Bradley focused on incrementally delivering capability to the warfighter to meet both near-term limitations as well as mitigating gaps and maintaining combat overmatch in the future. This effort was approved by the Army Acquisition Executive in 3rd Quarter (QTR) Fiscal Year (FY) 2011.

Abrams Modernization is a targeted and more intentional continuation of the Engineering Change Proposal (ECP) program strategy started in 2011. The focus remains making capability improvements needed to fight and win against future threats on the battlefield. Abrams Modernization focuses on reducing the logistical footprint of

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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 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>
<p>the current Abrams tank while integrating Soldier protection and meeting performance requirements called out in approved platform requirements documents leveraging advancements in technology to take a different technological approach to existing requirements. This approach builds on the proven ECP strategy from the Army Acquisition Executive in 3rd Quarter Fiscal Year 2011, revalidated in an Army Requirements Oversight Council (AROC) decision in 2018, and recently refocused by Army Senior Leaders in 3rd Quarter Fiscal Year 2023.</p> <p>The Armored Multi-Purpose Vehicle (AMPV) is the materiel solution replacing the Army's Vietnam Era Armored Personnel Carrier (M113) Family of Vehicles within the Armored Brigade Combat Team (ABCT). It mitigates current and future capability gaps in force protection, survivability, mobility, reliability, and interoperability across the Spectrum of Conflict. The AMPV improvements will address the development of Survivability, Lethality, Mobility, Network Lethality, and Communication, Command and Control (C3) improvements within the AMPV. The strategy for the AMPV Improvement line will focus on incrementally delivering enhanced capabilities to the warfighter to meet both near-term limitations as well as mitigating gaps and maintaining combat overmatch in the future while transitioning material capabilities for integration and implementation to the AMPV Family of Vehicles fleet to increase combat capability. Fiscal year 2026 base funding in the amount of \$10.757 million for Project DD4 supports funding for Army requested changes and requests stemming from the Initial Operational Test, continues development and integration of Composite Rubber Track, Vehicular Situational Awareness (formerly Enhanced Driver Viewer System), and AMPV mission equipment package studies/development. Vehicular Situational Awareness will provide the driver and vehicle commander improved visibility surrounding the vehicle leading to a safer operating environment. The Composite Rubber Track offers significant advantages compared to traditional linked steel track currently utilized to include vehicle weight savings, improved fuel economy, improved track and road wheel durability, and reduced soldier maintenance. The Field Artillery and Engineering mission equipment packages enable the Armored Brigade Combat Team to deploy within configurations optimized to meet operational needs including counter-unmanned aerial systems (C-UAS).</p> <p>Stryker Improvement will address the development of Lethality, Survivability, Mobility, Network Lethality, and Communication, Command, Control, Computers and Cyber (C5) improvements within the Stryker Family of Vehicles (FOVs). Principal development efforts include upgrades associated with the Stryker Double V-Hull A1 (DVH A1) Engineering Change Proposal (ECP), Common Remotely Operated Weapon Station-Javelin (CROWS-J) Operational Need Statement (ONS), Stryker Survivability Enhancement, and Stryker Lethality ECPs. DVH A1 ECP upgrades restore Stryker DVH Space, Weight, and Power-Cooling (SWaP-C) lost as a result of incorporating vehicle changes to counter threats encountered during deployment operations while allowing the future network to be hosted without further degradation in vehicle protection and mobility.</p> <p>The Stryker CROWS-J ONS efforts addressed Urgent Operational Need to increase the lethality of Stryker Infantry Carrier Vehicles (ICV) within the United States Army European Command (USAREUR). The Stryker Survivability Enhancements address evolving threats by assessing survivability improvements and advancing technologies and integrating emerging and existing technologies and other Stryker based platform solutions. The Stryker program will also integrate future Mission Equipment Packages (MEP), including the Fire Direction Center (FDC). The FDC provides an on-the move capability that processes voice and digital data while maintaining contact with the indirect fire team over extended distances. Stryker Lethality ECP efforts (CROWS-J, Anti-Tank Guided Missile (ATGM), and other capabilities) focus on the integration of a suite of complementary MEP lethality upgrades that will improve the suppressive fire and armored vehicle engagement capabilities across the Army's Stryker Brigade Combat Teams (SBCTs). Additionally, the Lethality Mission Equipment Package (MEP) upgrades address existing Remote Weapon Station (RWS) obsolescence issues with the CROWS and CROWS-J upgrade, as well as Network Lethality capability and improvements such as Counter Unmanned Aerial Systems. The ATGM ECP upgrades the Modified Improved Target Acquisitions System (MITAS), incorporating far target locator and enabling the dissemination of target acquirement information utilizing networked lethality, providing a common operating picture. The ATGM ECP also added the Embedded Training System Software (ETSS) and integrated the M-Code Global Positioning System (GPS) Receiver into the MITAS. Adding these capabilities addressed the</p>		

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0203735A I Combat Vehicle Improvement Programs				
obsolescence of the following: Basic Skills Trainer, Card Rack Assembly that is the controller of the ATGM primary weapon system, and SAASM GPS receiver of the MITAS Precision Far Target Locator. Stryker Network Modernization formalizes the system integration of the network modernization efforts, including Integrated Tactical Network (ITN). In support of Readiness/Training-Rapid Fielding of Digitization of Stryker, Army Rapid Sustainment Improvement Process (RSIP) supports development of data transfers of maintenance work orders, parts ordering and updating of maintenance plans. Predictive logistics development and integration improvements focus on incorporation of health data elements from platform diagnostics. The Stryker Driver Assistance Systems will develop strategies, through technical and engineering analyses, for the integration of emerging technologies onto the Stryker Platforms.						
Combat Vehicle Improvement Programs is part of the Army Transformation Initiative.						
The FY 2026 request was reduced by \$0.889 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		146.635	272.926	380.386	-	380.386
Current President's Budget		223.719	326.579	744.085	-	744.085
Total Adjustments		77.084	53.653	363.699	-	363.699
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-10.445	-16.347			
• Congressional Rescissions		-	-			
• Congressional Adds		92.500	70.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		0.001	-			
• SBIR/STTR Transfer		-4.972	-			
• Adjustments to Budget Years		-	-	363.699	-	363.699
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 330: Abrams Tank Improve Prog						
Congressional Add: Abrams Modernization Add						
Congressional Add: Cannon Telematic Sensor Systems						
Congressional Add Subtotals for Project: 330						
Project: EE2: Stryker Improvement						
Congressional Add: Stryker Driver Assistance Systems						
Congressional Add: Stryker Modernization						

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0203735A I Combat Vehicle Improvement Programs	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>			
Congressional Add Subtotals for Project: EE2		FY 2024	FY 2025
		4.200	61.000
Congressional Add Totals for all Projects		92.500	70.000
<u>Change Summary Explanation</u> Increase in FY 2026 from the previous PB reflects change in requirements to complete identification of potential technology candidates, mature, test and demonstrate candidate technology options and subsequent plans for future integration work within the Abrams program.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) 280 / RECOV VEH IMPROV PROG			
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
280: RECOV VEH IMPROV PROG	-	12.715	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note The M88 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES) program is on-track to complete the M88A3 Engineering Change Proposals (ECP) development/integration in FY 2024.												
A. Mission Description and Budget Item Justification The M88 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES), designated as an Acquisition Category (ACAT) IC program on 15 Jun 2016, has been providing towing, winching, and hoisting operations to support battlefield recovery operations and evacuation of heavy tanks and other tracked combat vehicles since its production and deployment in 1998. The M88 HERCULES recovers tanks mired to different depths, removes M1 Abrams turrets and power packs, and uprights overturned heavy combat vehicles. Currently, the M88A2 is unable to safely perform Single Vehicle Recovery (SVR) of the Abrams tank in all conditions, due to added weight/survivability improvements made to the tank. To ensure single vehicle recovery is met, Project Manager-Mounted Armored Vehicle (PM-MAV) will develop and integrate Engineering Change Proposal (ECP) technologies for the M88A2 HERCULES through an initiative to meet its operational requirements of single vehicle recovery throughout its life cycle. This initiative is not intended to exceed current operational capability but will instead regain single vehicle recovery capability of the heaviest tracked combat vehicle.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Product Development									6.173	-	-	
Description: Design and Development of ECPs.												
Title: Test and Evaluation									4.614	-	-	
Description: The Army is conducting Developmental Test and Evaluation (DT&E) on (8) prototype M88A3 vehicles to confirm Single Vehicle Recovery capability for an 80T Main Battle Tank. Test data supports an evaluation of the M88A3 for use in a production decision in 1Q FY 2025. DT&E for the M88A3 includes safety testing, automotive performance, recovery, transportability, Reliability Availability and Maintainability (RAM), Electromagnetic Interference (EMI), Cybersecurity, Survivability-Live Fire Test & Evaluation (LFT&E), Environmental Effects, Logistics Demonstration, and Soldier Touch Point.												
Title: Program Management Office (PMO) Support									1.928	-	-	
Description: PMO support includes Systems Engineering, Logistics, Government and in-house support Contractor salaries, travel and other support costs required to effectively manage the program.												



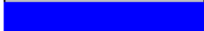


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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) 280 / RECOV VEH IMPROV PROG				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Accomplishments/Planned Programs Subtotals										12.715	-	-
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	
• GA0570: IMPROVED RECOVERY VEHICLE (M88 HERCULES)	41.058	141.657	155.540	-	155.540	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Project Manager (PM) for Mounted Armored Vehicles (MAV) is executing an Engineering Change Proposal (ECP) to regain single vehicle recovery capability of the M88A2 HERCULES vehicle. The strategy utilizes the Detroit Arsenal Automotive Other Transaction Authority (DA2 OTA) which competitively awarded a single contract to develop, integrate and produce (8) prototype vehicles entered in testing in FY 2023. After achieving OTA success criteria, a contract award using procurement dollars procures up to (70) initial production vehicles, as well as the procurement of hardware kits/components comprised of engines, transmissions, track and suspensions. Follow on M88A3 production will utilize a Federal Acquisition Regulation (FAR) based contract through the defined Army Acquisition Objective (AAO). The M88A2 HERCULES production vehicles continue fielding to units through FY 2026.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>						Project (Number/Name) 280 / <i>RECOV VEH IMPROV PROG</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
Product Development	Various	BAE Systems : TBD	353.276	6.173	Nov 2023	-		-		-		-	0.000	359.449	-
Subtotal			353.276	6.173		-		-		-		-	0.000	359.449	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 Office (PMO) Support	MIPR	PMO Support Offices, Ricardo Defense, DCS and Army Research Labs (ARL) : Various	11.176	1.928	Dec 2023	-		-		-		-	0.000	13.104	-
Subtotal			11.176	1.928		-		-		-		-	0.000	13.104	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	Various	Aberdeen Test Center (ATC), Yuma Test Center (YTC), CASCOM : Various	21.741	4.614	Jan 2024	-		-		-		-	0.000	26.355	-
Subtotal			21.741	4.614		-		-		-		-	0.000	26.355	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			386.193	12.715		-		-		-		-	0.000	398.908	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs								Project (Number/Name) 280 / RECOV VEH IMPROV PROG														
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				
Initial Log- Technical Manual Validation																																
M88A3 ECP Government Test Program																																
System Verification Review (SVR)																																
Log Demo Test																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) 280 / RECOV VEH IMPROV PROG	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
M88A3 ECP Design/Develop Prototype Build/Component Qualification	4	2019	3	2023
Initial Log- Technical Manual Validation	3	2023	2	2024
Test Readiness Review (TRR)	4	2023	4	2023
M88A3 ECP Government Test Program	4	2023	4	2024
System Verification Review (SVR)	3	2024	3	2024
Log Demo Test	2	2024	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) 330 / Abrams Tank Improve Prog			
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
330: Abrams Tank Improve Prog	-	181.027	251.718	723.505	-	723.505	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Army approved an Engineering Change Proposal (ECP) for Abrams Modernization focused on reducing the logistical footprint of the current Abrams tank while integrating missile, drone, and other top attack protection. Abrams Modernization will leverage advances in technology to take a different technological approach to current performance requirements called out in approved platform requirements documents. The strategy for Abrams focuses on delivering capability to the warfighter to meet both near-term limitations as well as mitigating gaps and maintaining combat overmatch in the future. This approach builds on the proven ECP strategy from the Army Acquisition Executive in 3rd Quarter Fiscal Year 2011, revalidated in an Army Requirements Oversight Council (AROC) decision in 2018, and recently refocused by Army Senior Leaders in 3rd Quarter Fiscal Year 2023.												
The Army will modernize the tank fleet through development of the Modernization Engineering Change Proposal (ECP) which will include the best features of prior ECPs and will comply with the latest modular open systems architecture standards, allowing quicker technology upgrades. This will enable the Army and its commercial partners to design a more survivable, lighter tank that will be more effective on the battlefield at initial fielding and easier to upgrade in the future.												
FY 2026 base funding in the amount of \$723.505 million represents a significant investment in Abrams Modernization. This funding will support, but not limited to, the continued identification, development, maturation, future integration, and demonstration of critical high priority technology candidates through FY 2026.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Program Management Office (PMO) Support									10.117	9.224	9.064	
Description: Program Management Office (PMO) Support includes Systems Engineering and Government and Contractor salaries, travel and other support costs required to effectively manage the program.												
FY 2025 Plans: Continues Government Systems Engineering and Program Management (SEPM) office support. This will include labor, training, travel, supplies, and equipment to effectively manage the program.												
FY 2026 Plans: FY 2026 will continue Government Systems Engineering and Program Management (SEPM) office support. This will include labor, training, travel, supplies, and equipment to effectively manage the program.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>	Project (Number/Name) 330 / <i>Abrams Tank Improve Prog</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Increase due to advance engineering activities to support Modernization efforts.				
Title: Test & Evaluation - Engineering Change Proposal M1A2SEP V4/ECP 1B Description: Comprises government test and evaluation of the SEP (System Enhancement Package) v4. Testing includes developmental, operational, and live fire test and evaluation. Government test modeling and simulation, detailed vehicle test planning, and initial test site preparation are also included.		6.478	-	-
Title: Lethality and Survivability Enhancements Description: Enhances lethality primarily through integration of improved munitions (smart rounds), gun turret drive improvements, cannon improvements, image processing enhancements and advanced algorithms. Survivability enhancements will focus on improved sensors, 360 Situational Awareness, active protection systems, armor improvements, and unmanned system defeat. Mobility enhancements will focus on efforts to reduce the weight of the tank to ensure operational mobility. FY 2025 Plans: Abrams continues integration of survivability enhancements and will further investigate mature technologies for future integration efforts. FY 2026 Plans: Abrams will continue integration of survivability enhancements and will further investigate mature technologies for future integration efforts in coordination with other Programs of Record (POR). FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in FY 2026 from FY 2025 reflects planned completion of some survivability efforts in FY 2025 leading to reduced requirements.		7.758	9.703	6.905
Title: Abrams Modernization Description: Matures technologies to help Army Senior Leaders shape the next Abrams modernization program. Focus is on, but not limited to, weight reduction to reclaim operational mobility, improve Abrams' lethality, and survivability. FY 2025 Plans: Continuing efforts to investigate, mature, and demonstrate candidate technology options in accordance with Army Senior Leader guidance. FY 2026 Plans:		68.374	223.791	707.536

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) 330 / Abrams Tank Improve Prog				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 will continue efforts to investigate, mature, and demonstrate leading edge mobility, survivability, and lethality candidate technology options in accordance with Army Senior Leader guidance and priorities.												
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 reflects change in requirements to complete identification of potential technology candidates, mature, test and demonstrate candidate technology options and subsequent plans for future integration work within the Abrams program.												
Accomplishments/Planned Programs Subtotals										92.727	242.718	723.505
										FY 2024	FY 2025	
Congressional Add: Abrams Modernization Add										88.300	-	
FY 2024 Accomplishments: Investigated and demonstrated candidate technology options in accordance with Army Senior Leader guidance.												
Congressional Add: Cannon Telematic Sensor Systems										-	9.000	
FY 2025 Plans: Congressional Add for Cannon Telematic Systems - funds Cannon System development. Will develop a sensor that will offer measurements of the cannon during firing to assist with fire control and accuracy.												
Congressional Adds Subtotals										88.300	9.000	
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	
• GA0750: Abrams Upgrade Program	1,240.323	799.745	740.528	-	740.528	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
Abrams Modernization retains current performance requirements and focuses on a different technological approach to improve system and crew efficiency to include but not limited to, weight reduction to reclaim operational mobility, improve lethality, and survivability.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improveme nt Programs				Project (Number/Name) 330 / Abrams Tank Improve Prog					
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
Abrams SEPV4	SS/CPIF	General Dynamics Land Systems : Sterling Heights, MI	409.056	-		-		-		-		-	0.000	409.056	-
Lethality and, Survivability Enhancements	Option/ Various	Various : Various	64.296	7.758	May 2024	9.703	May 2025	6.905	Apr 2026	-		6.905	Continuing	Continuing	Continuing
Abrams Modernization and Abrams Modernization Add	TBD	TBD : TBD	-	156.674	Aug 2024	223.791	Jul 2025	707.536	May 2026	-		707.536	Continuing	Continuing	Continuing
Cannon Telematic Sensor Systems	TBD	DEVCOM- Armaments Center : Watervliet Arsenal,	-	-		9.000	Sep 2025	-		-		-	0.000	9.000	-
Subtotal			473.352	164.432		242.494		714.441		-		714.441	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 Office (PMO) Support	MIPR	PMO Support Offices : TACOM, GVSC, ARDEC, ARL, Picatinny	103.945	10.117	Dec 2023	9.224	Dec 2024	9.064	Dec 2025	-		9.064	Continuing	Continuing	Continuing
Subtotal			103.945	10.117		9.224		9.064		-		9.064	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
Government Testing / SEPV4	MIPR	Aberdeen Proving Ground; Yuma Proving Ground; White Sands Missile Range, : Various	76.915	6.478	Nov 2023	-		-		-		-	0.000	83.393	-
Subtotal			76.915	6.478		-		-		-		-	0.000	83.393	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025				
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs					Project (Number/Name) 330 / Abrams Tank Improve Prog					
			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			654.212	181.027		251.718		723.505		-		723.505	Continuing	Continuing	N/A

Remarks

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

Date: June 2025

Appropriation/Budget Activity

2040 / 7

R-1 Program Element (Number/Name)

PE 0203735A / *Combat Vehicle Improvement Programs*

Project (Number/Name)

330 / Abrams Tank Improve Prog

[illegible]

Note

SEP (System Enhancement Package)

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) 330 / Abrams Tank Improve Prog
Future Capability Enhancements includes Lethality and Survivability Enhancements & Abrams Modernization Efforts.		

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) 330 / Abrams Tank Improve Prog	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Original Equipment Manufacturer (OEM) Testing	3	2022	3	2023
SEP V4 Developmental Testing	3	2023	4	2024
SEP V4 Test Readiness Review	3	2023	3	2023
SEP V4 Live Fire Testing	4	2024	4	2024
Future Capability Enhancements/Modernization Efforts	3	2024	4	2030

Note

SEP (System Enhancement Package)

Future Capability Enhancements includes Lethality and Survivability Enhancements & Abrams Modernization Efforts.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) DD4 / AMPV Improvement Program			
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
DD4: AMPV Improvement Program	-	11.903	12.325	10.757	-	10.757	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Armored Multi-Purpose Vehicle (AMPV) is the materiel solution replacing the Army's Armored Personnel Carrier M113 Family of Vehicles within the Armored Brigade Combat Team (ABCT). It mitigates current and future capability gaps in force protection, survivability, mobility, reliability, and interoperability across the Spectrum of Conflict. Armored Multi-Purpose Vehicle improvements will address the development of Survivability, Lethality, Mobility, Network Lethality, and Communication, Command and Control (C3) improvements within the Armored Multi-Purpose Vehicle Family of Vehicles. The strategy for the Armored Multi-Purpose Vehicle Combat Vehicle Improvement line will focus on incrementally delivering enhanced capabilities to the warfighter to meet both near-term limitations as well as mitigating gaps and maintaining combat overmatch in the future while transitioning material capabilities for integration and implementation to the Armored Multi-Purpose Vehicle Family of Vehicles fleet to increase combat capability.

Fiscal year 2026 base funding in the amount of \$10.757 million supports funding for: Army requested changes and requests stemming from the Initial Operational Test, continues development and integration of Composite Rubber Track, Vehicular Situational Awareness (formerly Enhanced Driver Viewer System), and Armored Multi-Purpose Vehicle mission equipment packages. As required, supports Army assessment, experimentation, and testing from emerging Army requirements impacting the Armored Multi-Purpose Vehicle. The Composite Rubber Track is a single continuous 'band' of track manufactured from multiple rubber compounds, Kevlar, steel reinforcement, and metallic composite stiffeners. The Composite Rubber Track as well as segmented track offers significant advantages compared to traditional linked steel track to include vehicle weight savings, improved fuel economy, improved track and road wheel durability, and reduced soldier maintenance. Vehicular situational awareness will provide the driver and vehicle commander improved visibility surrounding the vehicle to prevent safety incidents, such as vehicle rollovers, that may lead to soldier injuries. The future Armored Multi-Purpose Vehicle mission equipment packages will configure the vehicle to meet emerging Army requirements to support combat operations with the Engineers, Field Artillery, Remote Control Vehicle, and any other mission set to include counter unmanned aerial systems (C-UAS).

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

	FY 2024	FY 2025	FY 2026
Title: Armored Multi Purpose Vehicle (AMPV) Product Development	11.069	11.491	9.905
Description: Armored Multi-Purpose Vehicle Improvement Program will provide enhanced capabilities through analysis, engineering, development, and integration to support Army directed inbound technologies to reduce capability gaps against current and emerging threats as well as address findings from Armored Multi-Purpose Vehicle Initial Operational Test. As required, support Army assessment, experimentation, and testing efforts relating to emerging Army requirements impacting the Armored Multi-Purpose Vehicle design.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>	Project (Number/Name) DD4 / <i>AMPV Improvement Program</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Conducted system level integration and engineering efforts to upgrade and design mobility, survivability, reliability, and lethality upgrades. Conducted trade studies, market surveys, selected and demonstrated capability for Engineering and Field Artillery configurations, CRT/segmented track and Modular Turret Mortar Systems (MTMS) projects. CRT/segmented track and MTMS continued to execute technology demonstrations and provided a body of knowledge for future decisions on acquisition and integration on the AMPV vehicle. Established programs of record to allow CRT and MTMS insertion to increase current capability of AMPV Platform.</p> <p>FY 2026 Plans: Conduct system level integration and engineering efforts to upgrade and design mobility, survivability, reliability, and lethality upgrades. Continue trade studies, market surveys, select and demonstrate capabilities for the Composite Rubber Track, Segmented track, Vehicular Situational Awareness and other emerging capability enhancements to address current and emerging threats. Technology demonstrations will continue to provide a body of knowledge to inform Army decisions regarding the integration of capabilities onto the Armored Multi-Purpose Vehicle.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease aligns with completion of Composite Rubber Track test activities in Fiscal Year 26.</p>			
<p>Title: Program Management Office (PMO) Support</p> <p>Description: Program Office Support include systems engineering, government and contractor salaries, travel, training, and other support costs required to effectively manage the program.</p> <p>FY 2025 Plans: Systems Engineering and Program Management support (labor, travel, training, supplies, and equipment) for Research, Development, Test, & Evaluation (RDT&E) efforts related to emerging Army requirements impacting the AMPV design.</p> <p>FY 2026 Plans: Systems Engineering and Program Management support (labor, travel, training, supplies, and equipment) for Research, Development, Test, & Evaluation efforts related to emerging Army requirements impacting the Armored Multi-Purpose Vehicle design.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding holds constant.</p>		0.834	0.834
		0.852	
Accomplishments/Planned Programs Subtotals		11.903	12.325
		10.757	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>				Project (Number/Name) DD4 / <i>AMPV Improvement Program</i>			
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>
• G80819: <i>Armored Multi Purpose Vehicle (AMPV)</i>	592.099	381.510	554.678	-	554.678	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
<p>The AMPV program was initiated at Milestone B (MS B). The 22 December 2014 MS B Acquisition Decision Memorandum (ADM) approved contract award for the Engineering and Manufacturing Development phase plus three Low Rate Initial Production (LRIP) options to BAE Systems Land & Armaments, L.P. on a competitive basis. The Army Acquisition Executive (AAE) approved the Milestone C ADM on January 25, 2019, authorizing Low Rate Initial Production. All three LRIP options have since been exercised. The program achieved a Full Rate Production Decision in FY23. First Unit Equipped was achieved in 2QFY23.</p>											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs						Project (Number/Name) DD4 / AMPV Improvement Program			
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
Product Development	C/CPIF	Various : Various	-	11.069	Nov 2023	11.491	Nov 2024	9.905	Nov 2025	-		9.905	0.000	32.465	Continuing
Subtotal			-	11.069		11.491		9.905		-		9.905	0.000	32.465	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
Management Services	RO	Various : Detroit Arsenal, MI	-	0.834	Dec 2023	0.834	Dec 2024	0.852	Dec 2025	-		0.852	0.000	2.520	Continuing
Subtotal			-	0.834		0.834		0.852		-		0.852	0.000	2.520	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			-	11.903		12.325		10.757		-		10.757	0.000	34.985	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025													
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs										Project (Number/Name) DD4 / AMPV Improvement Program									
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	
Product Development																													
Vehicle Situational Awareness																													
Modernization Turreted Mortar System																													
Composite Rubber Track (CRT) AMPV																													
CRT - Soldier TouchPoint																													
CRT - PQT Test Articles Contract Award																													
CRT - Production Qualification Test																													

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) DD4 / AMPV Improvement Program	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Product Development	1	2024	4	2026
Vehicle Situational Awareness	1	2024	4	2026
Modernization Turreted Mortar System	1	2024	4	2024
Composite Rubber Track (CRT) AMPV	1	2024	4	2026
CRT - Soldier TouchPoint	2	2025	2	2025
CRT - PQT Test Articles Contract Award	3	2025	3	2025
CRT - Production Qualification Test	1	2026	4	2026

Note
Acronyms:
Armored Multi-Purpose Vehicle (AMPV)
Composite Rubber Track (CRT)
Production Qualification Test (PQT)

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>				Project (Number/Name) EE2 / <i>Stryker 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
EE2: <i>Stryker Improvement</i>	-	18.074	62.536	9.823	-	9.823	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY25 Congressional Add: Drivers Assistance Systems \$3.000M
FY25 Congressional Add: Stryker Modernization \$58.000M

A. Mission Description and Budget Item Justification

Stryker Improvement will address the development of Lethality, Survivability, Mobility, Network Lethality, and Communication, Command, Control, Computers and Cyber (C5) improvements within the Stryker Family of Vehicles (FOVs). Principal development efforts include upgrades associated with the Stryker Double V-Hull A1 (DVH A1) Engineering Change Proposal (ECP), Common Remotely Operated Weapon Station-Javelin (CROWS-J) Operational Need Statement (ONS), Stryker Survivability Enhancement, and Stryker Lethality ECPs. DVH A1 ECP upgrades restore Stryker DVH Space, Weight, and Power-Cooling (SWaP-C) lost as a result of incorporating vehicle changes to counter threats encountered during deployment operations while allowing the future network to be hosted without further degradation in vehicle protection and mobility.

The Stryker CROWS-J ONS efforts addressed Urgent Operational Need to increase the lethality of Stryker Infantry Carrier Vehicles (ICV) within the United States Army European Command (USAREUR). The Stryker Survivability Enhancements address evolving threats by assessing survivability improvements and advancing technologies and integrating emerging and existing technologies and other Stryker based platform solutions. The Stryker program will also integrate future Mission Equipment Packages (MEP), including the Fire Direction Center (FDC). The FDC provides an on-the move capability that processes voice and digital data while maintaining contact with the indirect fire team over extended distances. Stryker Lethality ECP efforts (CROWS-J, Anti-Tank Guided Missile (ATGM), and other capabilities) focus on the integration of a suite of complementary MEP lethality upgrades that will improve the suppressive fire and armored vehicle engagement capabilities across the Army's Stryker Brigade Combat Teams (SBCTs).

Additionally, the Lethality Mission Equipment Package (MEP) upgrades address existing Remote Weapon Station (RWS) obsolescence issues with the CROWS and CROWS-J upgrade, as well as Network Lethality capability and improvements such as Counter Unmanned Aerial Systems. The ATGM ECP upgrades the Modified Improved Target Acquisitions System (MITAS), incorporating far target locator and enabling the dissemination of target acquirement information utilizing networked lethality, providing a common operating picture. The ATGM ECP also added the Embedded Training System Software (ETSS) and integrated the M-Code Global Positioning System (GPS) Receiver into the MITAS. Adding these capabilities addressed the obsolescence of the following: Basic Skills Trainer, Card Rack Assembly that is the controller of the ATGM primary weapon system, and SAASM GPS receiver of the MITAS Precision Far Target Locator. Stryker Network Modernization formalizes the system integration of the network modernization efforts, including Integrated Tactical Network (ITN). In support of Readiness/Training-Rapid Fielding of Digitization of Stryker, Army Rapid Sustainment Improvement Process (RSIP) supports development of data transfers of maintenance work orders, parts ordering and updating of maintenance plans. Predictive logistics development and integration improvements focus on incorporation of health data elements from platform diagnostics.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) EE2 / Stryker Improvement		
The Stryker Driver Assistance Systems will develop strategies, through technical and engineering analyses, for the integration of emerging technologies onto the Stryker Platforms.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Stryker Lethality ECPs Development (Engineering/Prototypes) Description: Lethality ECPs encompass the integration of a 30-millimeter (mm) cannon (ICVVA1-30mm), under armor Javelin fire capability (Common Remotely Operated Weapon Station-Javelin (CROWS-J)), ATGM ETSS and M-Code Precision Far Target Locator (PFTL), improved optics and targeting systems, Inertial Navigation Unit (INU) sensor, Network Lethality/CUAS capability, and other capabilities into the Stryker fleet. These improvements will provide for increased under armor fire capability, target identification range, provide over-match against peer threats and supporting infantry assault, deliver target hand-off abilities to SBCT formations, and address obsolescence within the targeting and reconnaissance systems utilized on the Stryker FoV. FY 2026 Plans: Continue CROWS-J Network Lethality/CUAS prototype design, prototype procurement, and demonstration of design. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in FY 2026 from FY 2025 reflects continued development engineering, prototype manufacturing and testing of CROWS Network Lethality, and continuing Counter Unmanned Aerial System (CUAS) efforts. Note: FY 2025 efforts funded via FY 2025 Congressional Add.		0.408	-	3.105
Title: Stryker Lethality ECPs Development Testing Description: Testing of the Lethality ECPs encompass the integration of under armor Javelin fire capability (Common Remotely Operated Weapon Station-Javelin (CROWS-J)), ATGM ETSS and M-Code Precision Far Target Locator (PFTL), improved optics and targeting systems, Inertial Navigation Unit (INU) sensor, Network Lethality capability, and other capabilities into the Stryker fleet. These improvements will provide for increased capability against peer threats.		0.573	-	-
Title: Government Systems Engineering and Project Management Description: Government Systems Engineering and Program Management includes salaries, travel and other support costs required to effectively manage all Research, Development, Test, & Evaluation (RDT&E) efforts. FY 2025 Plans: Government Systems Engineering and Program Management support (labor, travel, training, supplies, and equipment) for Research, Development, Test, & Evaluation (RDT&E) efforts, including Network Lethality, CUAS, Survivability Enhancement, FDC development, and Stryker Network Modernization Development. FY 2026 Plans:		2.297	1.536	1.297

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) EE2 / Stryker Improvement		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Government Systems Engineering and Program Management support (labor, travel, training, supplies, and equipment) for Research, Development, Test, & Evaluation (RDT&E) efforts, including Lethality ECPs Development, Survivability Enhancements, and Stryker Network Modernization Development. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in FY 2026 from FY 2025 reflects overall reduction in development efforts, including the Fire Direction Center effort.				
Title: Stryker Platform Mission Equipment Packages Integration Description: Development engineering of Mission Equipment Packages (MEP) onto the Stryker platforms. Integration of the FDC MEP onto the DVH A1 platform.		0.020	-	-
Title: Stryker Survivability Enhancements Description: The Stryker Survivability Enhancements will develop strategies, through technical and engineering analyses, for the integration of emerging technologies onto the Stryker Platforms. These Survivability Enhancements will aid in mitigating direct and indirect operational risks by expanding soldier perception and discernment to avoid injury to soldiers. FY 2026 Plans: Continue support of the non-recurring engineering (NRE) demonstrations, including full system prototype manufacturing and testing on Stryker DVHA1 vehicles. FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from the previous PB reflects continued progress of development engineering on SRAT II delta kit. Note: FY 2025 efforts funded via FY 2025 Congressional Add.		0.005	-	3.500
Title: Stryker Network Modernization Development (Engineering / Prototypes) Description: Stryker Network Modernization will formally integrate the Integrated Tactical Network (ITN), Integrated Visual Augmentation System (IVAS) vehicle support kit, and Tactical Cloud Package (TCP) as part of the Mounted Integrated Tactical Network Stryker (M-ITN-S) at the System of Systems level. Effort will prioritize the DVHA1 Platform and include DVHA0. With the Army's Network Vision 2028, and Army 2030 planning, the Network CFT has coordinated closely with PEO C3T, PEO GCS, PEO Soldier, and PEO IEW&S to deliver a suite of capabilities as part of M-ITN-S (formerly M-CS23) for DVHA1 and DVHA0. These capabilities are required in SBCT formations to provide Soldiers with a resilient and assured data transport network to the tactical edge, provide a robust and real-time common tactical operating picture among friendly forces and ensure overmatch with near-peer adversaries. FY 2026 Plans:		5.571	-	1.927

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>	Project (Number/Name) EE2 / <i>Stryker Improvement</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Finalize Mounted-Integrated Tactical Network Stryker (M-ITN-S) logistics products and complete remaining integration engineering efforts.			
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of Network Modernization Development due to effort completing development acquisition phase, moving from engineering to completing logistics products.			
Title: Stryker Predictive Logistics (Engineering/Prototypes) Description: Readiness / Training-Rapid Fielding of Digitization of Stryker, Army Rapid Sustainment Improvement Process (RSIP). Develop two-way interface to support data transfers of maintenance work order, parts ordering and updating of maintenance plans. Further development will incorporate health data elements from platform diagnostics.		4.700	-
Title: Stryker Network Modernization Testing		0.300	-
Accomplishments/Planned Programs Subtotals		13.874	1.536
		FY 2024	FY 2025
Congressional Add: Stryker Driver Assistance Systems FY 2024 Accomplishments: The Stryker Driver Assistance Systems developed strategies, through technical and engineering analyses, for the integration of emerging technologies onto the Stryker Platforms. These improvements will aid in mitigating direct and indirect operational risks by expanding soldier perception and discernment to avoid injury to soldiers. FY 2025 Plans: Continues the Stryker Driver Assistance Systems development by integration engineering of readily available technologies that proved successful during the experimentation exercise. These items improve driver safety with sensor systems and other awareness improvements, to modernize driver safety/ease with commercial technologies.		4.200	3.000
Congressional Add: Stryker Modernization FY 2025 Plans: The Stryker Modernization will continue development of existing efforts as well as begin new development efforts in a variety of areas including Lethality Development, Network Modernization Development, Platform Mission Equipment Package Integration, Power System, Predictive Logistics, and Survivability Enhancements. Will begin studies on improving mission command on-the-move (MCOTM) capability. Lethality ECPs Development [ECP2]		-	58.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>	Project (Number/Name) EE2 / <i>Stryker Improvement</i>	
		FY 2024	FY 2025
<p>Continues Common Remote Operating Weapon System (CROWS) Network Lethality and begins the Counter Unmanned Aerial System (CUAS) efforts for Stryker.</p> <p>CROWS Network Lethality continues the development engineering, prototype manufacturing and testing of the Common Remote Operating Weapon System (CROWS) Network Lethality onto Stryker platforms. Anticipate a demonstration event in late 2026, with safety confirmation testing in 2027.</p> <p>CUAS: Identifies existing radars, selects radar, evaluates performance of optical tracker, and finalizes Stryker CUAS solution configuration. Demonstrate CUAS defeat prototype solutions in simulated operational environments. Anticipate a demonstration in 2026, with safety confirmation testing in 2027.</p> <p>Network Modernization Development</p> <p>Continues the Mounted Integrated Tactical Network (M-ITN), completes the Integrated Vehicle Network (IVN2) testing, and begins the Electronic Power Distribution Unit (EPDU2) distributed circuit breaker development.</p> <p>Continues the Infantry Carrier Vehicle (ICVVA1) 30mm variant integration engineering and completes the logistics products for M-ITN. Completes the Army Test and Evaluation Command (ATEC) and safety confirmation testing for the IVN2. Completes the development engineering for the EPDU2. Completes ATEC and safety confirmation testing for EPDU2. Completes ICVVA1 30mm variant Squad Leader Display version 3 (SLDv3) integration engineering.</p> <p>Platform Mission Equip Pkg Integration</p> <p>Continues the development efforts for the integration of the Fire Direction Center (FDC) mission equipment package onto the DVHA1 platform and initiate development engineering study to support Mission Command On-the Move (MCOTM).</p> <p>FDC MEP: Supports the redesign, log products and testing for ICVVA1 and ICVVA0, Commander Vehicle (CVVA0) and procures prototype hardware.</p> <p>MCOTM: Investigate ways for improvement, including developing prototype capabilities and conduct demonstrations.</p> <p>Power System</p> <p>Supports the development engineering and integration of an Auxiliary Power Unit (APU) within the DVHA1 platform to improve silent watch requirement. Begin power studies and bench demonstration in 2026 with vehicle demonstration 2027.</p> <p>Stryker Predictive Logistics</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army								Date: June 2025				
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) EE2 / Stryker Improvement				
								FY 2024		FY 2025		
Completes integration efforts for fault isolation associated with transferring data between Stryker platform and GCSS domain. Completes logistics products for the tablets.												
Survivability Enhancements Begins the development engineering efforts for SRAT II Delta Kit on DVHA0 and DVHA1 vehicles, EA bench seats, Stryker Enhanced Armor (SEA), and completes the Tire Fire Suppression Kit development and logistics products. SRAT II Delta Kit: Development engineering required to take the existing SRAT II titles and integrate them onto the DVHA0 and DVHA1 vehicles. EA Bench Seats: Development engineering and testing to improve safety of the seats within the Stryker vehicle, as well as increased storage. Allows Soldier space for increased combat gear volume while not sacrificing survivability. Performs analysis on vehicles with dummies to ensure blast forces do not cause greater impact than the baseline vehicle/seats. Stryker Enhanced Armor: Development engineering and testing to demonstrate integration of new armor onto the modern DVHA1 platform.												
Congressional Adds Subtotals								4.200		61.000		
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
• GM0100: Stryker (Mod)		-	52.471	-	-	-	-	-	-	-	-	-
• G85200: Stryker Upgrade		676.121	388.320	135.816	-	135.816	-	-	-	-	-	-
Remarks												
Stryker MOD (GM0100) will support Command Post Integrated Infrastructure (CPI2) platform procurement beginning in FY 2025. Stryker Upgrade (G85200) funding reduces to zero in FY 2027.												
D. Acquisition Strategy												
The Stryker ECP 1 effort will buy back the vehicle space, weight, and power margin lost due to the addition of numerous kits in response to eleven years of war (20-combat rotations & 37+ million total miles), in order to allow integration of the future network (as directed by VCSA in August 2011) without further degrading the performance of the platform. In May 2012, Stryker ECP 1 program (Phase I) was approved, permitting preliminary design and integration efforts on both the Flat Bottom (FB) and DVH variants. In March 2013, Phase II was approved continuing design and integration of ECP 1 mechanical power, electrical power generation, chassis upgrades, and the in-vehicle network upgrades. Based on additional testing conducted in the summer of 2013, the decision was made to focus ECP 1 efforts on the DVH platform and defer efforts on flat-bottom Stryker vehicles. The effort has subsequently been renamed the Stryker DVH A1 ECP. The DVH A1 ECP Phase II contract,												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / <i>Combat Vehicle Improvement Programs</i>	Project (Number/Name) EE2 / <i>Stryker Improvement</i>
<p>awarded November 25, 2013, continued development engineering, prototype build test and evaluation. The initial DVH A1 ECP production contract was awarded in October 2016 (Sole-Source Firm Fixed Price arrangement). A second and third buy of DVH A1 ECP vehicles was awarded as a Fixed Price Incentive Fee arrangement. A March 2018 AROC decision was made to pure fleet the Stryker brigades to DVH with the initial approval for 6 DVH A1 brigades. The objective acquisition strategy is to annually procure 1/2 of a brigade. A January 2025 AROC decision was made to only procure 5 DVH A1 brigades.</p> <p>On July 2, 2015, Army Systems Acquisitions and Review Council (ASARC) authorization was granted to execute the Stryker 30mm ICVD ONS effort. 30mm ICVD Engineering, Manufacturing, and Development (EMD) contracts for Non-Recurring Engineering (NRE) and Logistics Products Development/Test Support were awarded in January 2016 and May 2016, respectively (Cost Plus Incentive-Fee basis). The 30mm ICVD ONS Production/Retrofit contract was awarded in May 2016 through an Unfinitized Contract Action (UCA). Definitization of the Fixed Price Incentive Fee (FPIF) Production contract occurred in March 2017.</p> <p>The Stryker Lethality ECP efforts will focus on the integration of a suite of complementary Mission Equipment Package MEP lethality upgrades, which include the CROWS-J, ATGM target acquisition optics, integration of emerging and existing technologies such as the Fire Direction Center requirement, Integrated Visual Augmentation System (IVAS), and other Stryker-based platform solutions, as well as additional capabilities that will improve the suppressive fire and armored vehicle engagement capabilities across the Army's SBCTs. Army Acquisition Executive (AAE) approval to initiate the Stryker CROWS-J and ATGM ECP efforts was received in a September 30, 2016, Acquisition Decision Memorandum (ADM). A ICVVA1-30mm decision was made in March 2019. The ICVVA1-30mm effort awarded design studies to multiple vendors and evaluated the bid samples and awarded a production ready solution meeting requirements at the best value to the Army. Production was awarded to a single vendor in 2021, production/test activities were performed in 2022-2024, and fielding activities began in 2025. To improve platform survivability fleet wide survivability improvements, including developing strategies to integrate Driver's Assistance Systems onto Stryker4 Platforms.</p> <p>In 2016, the Army approved the FDC requirement and the Field Artillery Battalion TAC using excess Flat Bottom Hull (FBH) Stryker during Force Design Update (FDU) process. Following the March 2018 Pure fleet AROC decision, Force Design Division (FDD) identified the Double V Hull A1 (DVH A1) as the platform for the FDC.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs				Project (Number/Name) EE2 / Stryker 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
Project Management Office (PMO)	MIPR	PEO GCS/TACOM : Various	78.180	2.297	Jan 2024	3.997	Jan 2025	1.291	Jan 2026	-		1.291	Continuing	Continuing	-
Subtotal			78.180	2.297		3.997		1.291		-		1.291	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
Stryker Lethality ECPs Development	C/Various	PM CSW; PM CCWS : Various	60.006	0.408	Feb 2024	3.194	Aug 2025	3.105	Feb 2026	-		3.105	Continuing	Continuing	-
Stryker Survivability Enhancement	C/Various	US Army CCDC GVSC, Various : Various	7.676	0.005	Feb 2024	26.965	Dec 2025	2.000	Feb 2026	-		2.000	Continuing	Continuing	-
Stryker Power System Development	MIPR	US Army CCDC GVSC, Various : Various	18.873	-		4.107	Aug 2025	-		-		-	0.000	22.980	-
Stryker Fire Direction Center Variant Development	Various	GDLS, Various : Sterling Heights, MI; Various	4.099	-		10.199	Nov 2025	-		-		-	28.560	42.858	-
Stryker Network Modernization Development	C/Various	US Army CCDC GVSC, Various : Various	36.316	5.571	Jan 2024	4.044	Oct 2025	1.927	Jan 2026	-		1.927	Continuing	Continuing	-
Stryker Predictive Logistics Development	C/Various	CECOM, Various : APG, MD; Various	-	4.700	Jan 2024	2.980	Aug 2025	-		-		-	0.000	7.680	-
Stryker Driver Assistance Systems	TBD	US Army Test Centers, Various : various	-	4.200	Sep 2024	6.130	Oct 2025	-		-		-	0.000	10.330	-
Subtotal			126.970	14.884		57.619		7.032		-		7.032	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs					Project (Number/Name) EE2 / Stryker 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
Stryker Survivability Enhancement Testing	MIPR	Army Test Centers : Various	2.996	-		-		1.500	Mar 2026	-		1.500	Continuing	Continuing	-
Stryker Power System Testing	MIPR	Army Test Centers : Various	10.077	-		-		-		-		-	0.000	10.077	-
Stryker Network Modernization Testing	MIPR	Army Test Centers : Various	-	0.300	Jun 2024	0.920	Nov 2025	-		-		-	0.000	1.220	-
Stryker Fire Direction Center Variant Testing	MIPR	Army Test Centers : Varius	-	0.020	May 2024	-		-		-		-	0.000	0.020	-
Stryker Lethality ECPs Testing	MIPR	Army Test Centers : Various	-	0.573	Aug 2024	-		-		-		-	0.000	0.573	-
Subtotal			13.073	0.893		0.920		1.500		-		1.500	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			218.223	18.074		62.536		9.823		-		9.823	Continuing	Continuing	N/A
Remarks															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 7

R-1 Program Element (Number/Name)

PE 0203735A / Combat Vehicle Improvement Programs

Project (Number/Name)

EE2 / Stryker 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
Stryker DVH A1 ECP Production (Phase III)																												
DVH A1 ECP Production																												
Stryker CROWS-J ECP Production/Retrofit																												
CROWS-J ECP Production/Retrofit																												
Stryker ATGM ECP Production/Retrofit																												
ATGM ECP Production/Retrofit																												
Stryker ICVVA1-30mm Gun Production																												
ICVVA1-30mm Gun Production																												
Stryker ICVVA1-30mm Mission Equipment Package (MEP) Production																												
ICVVA1-30mm Mission Equipment Package (MEP) Production																												
Stryker ICVVA1-30mm Safety/Perf./Live Fire/Electronics Testing																												
ICVVA1-30mm Safety/Perf./Live Fire/Electronics Testing																												
Stryker ICVVA1-30mm Fielding																												
ICVVA1-30mm Fielding																												
Stryker ICVVA1-30mm Design/Prototype/Logistic Products																												
ICVVA1-30mm Design/Prototype/Logistic Products																												
Stryker Lethality ECP Inertial Navigation Unit Sensor Design/Prototyping/Logistics																												
Inertial Navigation Unit Sensor Design/Prototyping/Logistics																												
Stryker Lethality ECP Inertial Navigation Unit Sensor Testing																												
Inertial Navigation Unit Sensor Testing																												
Stryker Power System																												
Power System Design/Prototype/Logistics Products																												
Stryker Fire Direction Center Variant (FDC) Design/Prototyping/Logistics																												
FDC Design/Prototype/Logistics Products																												
Stryker 360 Situational Awareness: Design/Test/Prod/Logistics																												
360 Situational Awareness: Design/Test/Prod/Logistics																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7									R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs									Project (Number/Name) EE2 / Stryker 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
Stryker Network Modernization Development																												
Stryker Network Modernization Testing																												
Stryker Predictive Logistics Development																												
Stryker Network Lethality (CROWS) Design/Prototype/Logis...																												
Stryker Driver Assistance Systems																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203735A / Combat Vehicle Improvement Programs	Project (Number/Name) EE2 / Stryker Improvement	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Stryker DVH A1 ECP Production (Phase III)	1	2017	1	2028
Stryker CROWS-J ECP Design/Prototype/Logistic Products	1	2019	3	2023
Stryker CROWS-J ECP Production/Retrofit	3	2019	4	2030
Stryker ATGM ECP Production/Retrofit	1	2020	2	2025
Stryker ICVVA1-30mm Gun Production	4	2020	4	2025
Stryker ICVVA1-30mm Mission Equipment Package (MEP) Production	3	2021	4	2026
Stryker ICVVA1-30mm Safety/Perf./Live Fire/Electronics Testing	4	2021	4	2027
Stryker ICVVA1-30mm Fielding	2	2025	4	2028
Stryker ICVVA1-30mm Design/Prototype/Logistic Products	2	2019	4	2027
Stryker Lethality ECP Inertial Navigation Unit Sensor Development	3	2022	3	2024
Stryker Lethality ECP Inertial Navigation Unit Sensor Testing	3	2023	2	2024
Stryker Power System	4	2025	4	2026
Stryker Fire Direction Center Variant (FDC) Design/Prototype/Logistics Products	4	2022	4	2026
Stryker 360 Situational Awareness: Design/Test/Prod/Logistics	3	2021	3	2026
Stryker Network Modernization Development	2	2023	4	2027
Stryker Network Modernization Testing	3	2023	4	2024
Stryker Predictive Logistics Development	2	2024	4	2026
Stryker Network Lethality (CROWS) Design/Prototype/Logistic Products	2	2025	4	2027
Stryker Driver Assistance Systems	4	2024	4	2026

Note

Schedule includes the major Stryker RDTE and Procurement (WTCV) funded activities.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	PE 0203743A / 155mm Self-Propelled Howitzer Improvements											
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	-	22.066	47.870	107.826	-	107.826	-	-	-	-	-	-
FF9: PIM Improvement Program	-	22.066	47.870	107.826	-	107.826	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Self-Propelled Howitzer Modernization effort improves self-propelled howitzer lethality through increased range and increased rate of fire, using mature technology to improve mobility, survivability, reliability, supportability, and lethality. This effort will analyze and evaluate new cannon technology, including existing and future artillery systems as well as technology to improve mission cycle time and enable future platform autonomy. This effort will also inform requirements, release request for vendor proposals and evaluate vendor offerings.

The FY 2026 request was reduced by \$7.022 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	122.902	55.205	111.517	-	111.517
Current President's Budget	22.066	47.870	107.826	-	107.826
Total Adjustments	-100.836	-7.335	-3.691	-	-3.691
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-100.000	-7.335			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.836	-			
• Adjustments to Budget Years	-	-	-3.691	-	-3.691

Change Summary Explanation

FY 2026 funding increase from the previous PB is due to the establishment of a network integration plan and incorporation of operational assessment.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203743A / 155mm Self-Propelled Howitzer Improvements				Project (Number/Name) FF9 / PIM Improvement Program			
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
FF9: PIM Improvement Program	-	22.066	47.870	107.826	-	107.826	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Self-Propelled Howitzer Modernization effort improves self-propelled howitzer lethality through increased range and increased rate of fire, using mature technology to improve mobility, survivability, reliability, supportability, and lethality. This effort will analyze and evaluate new cannon technology, including existing and future artillery systems as well as technology to improve mission cycle time and enable future platform autonomy. This effort will also inform requirements, release request for vendor proposals and evaluate vendor offerings.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Prototype Development and Build									8.690	4.067	65.215	
Description: Funds support obtaining systems for incorporation into operational environment, as well as continued engineering analysis and concept development for future interoperability into U.S. fires network.												
FY 2025 Plans: Continuation of developmental engineering efforts.												
FY 2026 Plans: Obtain mature and available SPH systems for incorporation into operational environment. Establish network integration plan, and construct System Integration Lab (SIL) for integration of competitive systems into U.S. Army fires network.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to the establishment of a network integration plan and incorporation of operational assessment.												
Title: Program Management									13.025	9.763	8.212	
Description: Funding is provided for all Program Management efforts.												
FY 2025 Plans: Continue development and generate all required documents, office staff and engineering IPT development.												
FY 2026 Plans: Manage vehicle evaluation, prepare and release RFP for competitive vehicle down select, execute SSEB.												
FY 2025 to FY 2026 Increase/Decrease Statement:												








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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203743A / 155mm Self-Propelled Howitzer Improvements	Project (Number/Name) FF9 / PIM Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 funding decrease due to overall reduction in manpower.			
Title: Test and Evaluation Description: This funding supports all Testing and Evaluation in support of the Self Propelled Howitzer Modernization. FY 2025 Plans: Supports test site personnel, facilities, and ammunition required to conduct competitive vehicle evaluation. FY 2026 Plans: Supports test site personnel, facilities, and ammunition required to conduct competitive vehicle evaluation as well as operational assessment. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to incorporation of operational assessment.		0.351	34.040
Accomplishments/Planned Programs Subtotals		22.066	47.870
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Self-Propelled Howitzer Modernization effort will leverage an appropriate competitive contracting mechanism to test and evaluate mature and available vendor submissions for self-propelled howitzer technology to improve lethality of the U.S. Army's family of Self-Propelled Howitzer Systems.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203743A / 155mm Self-Propelled Howitzer Improvements				Project (Number/Name) FF9 / PIM Improvement Program					
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 Eng	Various	Various : Various Locations	288.747	8.690	Jan 2024	4.067	Jan 2025	9.821	Jan 2026	-		9.821	Continuing	Continuing	Continuing
Prototype Build	Various	Various : Various Locations	194.992	-		-		55.394	Jun 2026	-		55.394	Continuing	Continuing	Continuing
Subtotal			483.739	8.690		4.067		65.215		-		65.215	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
PMO/PEO Support	MIPR	PM/PEO PIM : Various	50.019	13.025	Oct 2023	9.763	Oct 2024	8.212	Oct 2025	-		8.212	Continuing	Continuing	Continuing
Subtotal			50.019	13.025		9.763		8.212		-		8.212	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	MIPR	Various - OGAs : Various	161.066	0.351	Oct 2023	34.040	Oct 2024	34.399	Jan 2026	-		34.399	Continuing	Continuing	Continuing
Subtotal			161.066	0.351		34.040		34.399		-		34.399	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			694.824	22.066		47.870		107.826		-		107.826	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0203743A / 155mm Self-Propelled Howitzer Improvements								Project (Number/Name) FF9 / PIM Improvement Program												
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
Developmental Engineering																												
Dev Eng																												
Vehicle Evaluation Award	 Vehicle Eval Awd																											
Competitive Down Select Award	 Competitive Down Select Award																											
Competitive Vehicle Evaluation	 Competitive Vehicle Evaluation																											
Operational Assessment	 OA																											
Prototype Testing	 Prototype Testing																											
Milestone C	 MS C																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203743A / 155mm Self-Propelled Howitzer Improvements	Project (Number/Name) FF9 / PIM Improvement Program	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Developmental Engineering	2	2018	3	2028
Vehicle Evaluation Award	2	2026	2	2026
Competitive Down Select Award	3	2027	3	2027
Competitive Vehicle Evaluation	1	2026	4	2026
MTA Prototype Manufacturing	4	2018	4	2023
Developmental Testing	1	2019	4	2023
Operational Assessment	4	2026	4	2027
Prototype Testing	3	2027	3	2029
Milestone C	3	2029	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203752A I Aircraft Engine Component Improvement Program							
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	-	0.146	0.142	0.237	-	0.237	-	-	-	-	-	-
106: A/C Compon Improv Prog	-	0.146	0.142	0.237	-	0.237	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) develops, tests, and qualifies improvements to aircraft engine components to correct service-revealed deficiencies, improve flight safety, enhance readiness and reduce operating and support (O&S) costs. In addition, CIP provides the test vehicles for the testing and qualification efforts required as a part of the Army's Critical Safety Item (CSI) program. Non-program specific Auxiliary Power Unit (APU) as well as Unmanned Aircraft Systems (UAS) safety and readiness issues are also addressed under this Program Element.

Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM), Aviation & Missile Center (AvMC), Redstone Arsenal, AL

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.146	0.142	0.142	-	0.142
Current President's Budget	0.146	0.142	0.237	-	0.237
Total Adjustments	0.000	0.000	0.095	-	0.095
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	0.095	-	0.095

Change Summary Explanation

Increase in FY 2026 funding from the previous PB to the current PB due to balancing civilian manpower affordability. Funds realigned from Program Element 0605801A, Programwide Activities, Project M44, CECOM Command/Center Support.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203752A / Aircraft Engine Component Improvement Program				Project (Number/Name) 106 / A/C Compon Improv Prog			
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
106: A/C Compon Improv Prog	-	0.146	0.142	0.237	-	0.237	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) develops, tests, and qualifies improvements to aircraft engine components to correct service-revealed deficiencies, improve flight safety, enhance readiness and reduce operating and support (O&S) costs. In addition, CIP provides the test vehicles for the testing and qualification efforts required as a part of the Army's Critical Safety Item (CSI) program. Non-program specific Auxiliary Power Unit (APU) as well as Unmanned Aircraft Systems (UAS) safety and readiness issues are also addressed.

Work in this Project is performed by the United States Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM) Aviation & Missile Center (AvMC), Redstone Arsenal, AL.

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

	FY 2024	FY 2025	FY 2026
Title: In-House Support Description: In-house engineering support FY 2025 Plans: Will continue to provide in-house engineering support for UAV engine CIP programs. FY 2026 Plans: Will continue to provide in-house engineering support for UAV engine CIP programs. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to economic assumptions.	0.057	0.055	0.093
Title: UAS Fuel System Component Evaluation Description: This program is to improve aircraft readiness and reliability by mitigating the root cause of common component failures. FY 2025 Plans: UAS component investigations will continue to support airworthiness, reliability and performance improvements of the critical Unmanned Aerial Vehicle (UAV) components (e.g., Full Authority Digital Engine Controls (FADECs), fuel injectors, and high pressure fuel pumps) to determine root cause of occurrences which result in performance anomalies during aircraft operation. FY 2026 Plans:	0.089	0.087	0.144

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203752A / Aircraft Engine Component Improvement Program	Project (Number/Name) 106 / A/C Compon Improv Prog	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
UAS component investigations will continue to support airworthiness, reliability and performance improvements of the critical Unmanned Aerial Vehicle (UAV) components (e.g., Full Authority Digital Engine Controls (FADECs), fuel injectors, and high pressure fuel pumps) to determine root cause of occurrences which result in performance anomalies during aircraft operation. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to economic assumptions.			
Accomplishments/Planned Programs Subtotals		0.146	0.142
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Improved designs will be implemented via Engineering Change Proposal (ECP) and follow-on procurement or modification to a production contract to introduce the improved hardware.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203752A / Aircraft Engine Component Improvement Program				Project (Number/Name) 106 / A/C Compon Improv Prog					
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
In-house Engineering	Allot	US Army DEVCOM AvMC : Redstone Arsenal, AL	3.194	0.057	Oct 2023	0.055	Oct 2024	0.093	Oct 2025	-		0.093	Continuing	Continuing	Continuing
Subtotal			3.194	0.057		0.055		0.093		-		0.093	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
UAS Fuel System Component Evaluation	RO	US Army DEVCOM, Army Research Lab : Aberdeen Proving Ground	0.132	0.089	Oct 2023	0.087	Oct 2024	0.144	Oct 2025	-		0.144	Continuing	Continuing	Continuing
Subtotal			0.132	0.089		0.087		0.144		-		0.144	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			3.326	0.146		0.142		0.237		-		0.237	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203752A / Aircraft Engine Component Improvement Program	Project (Number/Name) 106 / A/C Compon Improv Prog	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
T700 Engine Spit Pit Testing	1	2011	4	2012
T700 Engine Temperature Survey	2	2014	4	2015
T55 Engine 1553 Engine Control Unit (ECU)	2	2012	1	2013
T55 Engine N1 Drive Line Redesign	1	2010	4	2012
T55 Engine ECU Block Upgrade	2	2013	4	2015
Auxiliary Power Units (APUs)	1	2014	4	2015
UAV Shadow Engine	2	2014	4	2021
T700 CSI Update	1	2017	4	2017
UAS Fuel System Component Evaluation	1	2022	4	2031

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203758A I Digitization							
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	-	1.460	1.562	1.013	-	1.013	-	-	-	-	-	-
374: HOR Battlefld Digitizn	-	1.460	1.562	1.013	-	1.013	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

As the Army Equipping methodology transitions to the Army Modernization Enterprise or AME, the information technology used to support Army Equipping must grow and change. The development of an upgraded Army Equipping Enterprise System (AE2S) will integrate and share programming data (dollars and quantities) with information from Information Technology (IT) systems that support the Army Futures Command (AFC), ASA(ALT), ASA(FM&C) and Army G3/5/7. This data sharing will allow the AME to provide Army Senior Leaders with a complete picture of how well programs are executing, the impacts of programming decisions on Army current and future readiness and modernization and will help to develop a road map needed to transition the current force to a fully modernize Army. The AE2S next generation capability requirements include a flexible data and software architectures that allows the user to integrate disparate data from differing architectures in order to develop new information that can be turned into actionable knowledge by senior leaders. The software architecture must have data visualization capabilities that allow the user to display data in ways that can articulate how AME decisions made impact warfighting effectiveness and plans.

The FY 2026 request was reduced by \$0.546 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	1.515	1.562	1.563	-	1.563
Current President's Budget	1.460	1.562	1.013	-	1.013
Total Adjustments	-0.055	0.000	-0.550	-	-0.550
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.055	-			
• Adjustments to Budget Years	-	-	-0.550	-	-0.550

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203758A / Digitization				Project (Number/Name) 374 / HOR Battlefld Digitizn			
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
374: HOR Battlefld Digitizn	-	1.460	1.562	1.013	-	1.013	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

As the Army Equipping methodology transitions to the Army Modernization Enterprise or AME, the information technology used to support Army Equipping must grow and change. The development of an upgraded Army Equipping Enterprise System (AE2S) will integrate and share programming data (dollars and quantities) with information from IT systems that support the Army Futures Command (AFC), ASA(ALT), ASA(FM&C) and Army G3/5/7. This data sharing will allow the AME to provide Army Senior Leaders with a complete picture of how well programs are executing, the impacts of programming decisions on Army current and future readiness and modernization and will help to develop a road map needed to transition the current force to a fully modernize Army. The AE2S next generation capability requirements include a flexible data and software architectures that allows the user to integrate disparate data from differing architectures in order to develop new information that can be turned into actionable knowledge by senior leaders. The software architecture must have data visualization capabilities that allow the user to display data in ways that can articulate how AME decisions made impact warfighting effectiveness and plans.

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

	FY 2024	FY 2025	FY 2026
Title: Interoperability and Integration Description: Conducts independent analyses of Army, joint, and multinational interfaces, adherence to standards, implementation profiles, and interoperability baselines. FY 2025 Plans: Contractor will continue to conduct independent analyses of Army, joint, and multinational interfaces, adherence to standards, implementation profiles, and interoperability baselines. FY 2026 Plans: Contractor will continue to conduct independent analyses of Army, joint, and multinational interfaces, adherence to standards, implementation profiles, and interoperability baselines. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding decrease represents a decrease due to economic assumptions.	0.304	0.325	0.216
Title: Operational Capability Analysis and Evaluation Description: Conducts iterative capability analyses and assessments consistent with CJCSI 3170 (JCIDS) and 6212 (Net Readiness) to ensure Army and joint program technical and operational requirements are consistent. FY 2025 Plans:	0.293	0.314	0.205

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0203758A / Digitization		Project (Number/Name) 374 / HOR Battlefld Digitizn	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Contractor will continue to conduct iterative capability analyses and assessments consistent with CJCSI 3170 (JCIDS) and 6212 (Net Readiness) to ensure Army and joint program technical and operational requirements are consistent. Efforts support Army and joint initiatives. FY 2026 Plans: Contractor will continue to conduct iterative capability analyses and assessments consistent with CJCSI 3170 (JCIDS) and 6212 (Net Readiness) to ensure Army and joint program technical and operational requirements are consistent. Efforts support Army and joint initiatives. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding decrease represents a decrease due to economic assumptions.					
Title: Systems Architecture Development Description: Conducts broad concept studies with emphasis on interoperability and joint coalition operations. FY 2025 Plans: Federally Funded Research and Development Center (FFRDC) contractor will continue to conduct broad concept studies with emphasis on interoperability and joint coalition operations. FY 2026 Plans: FFRDC contractor will continue to conduct broad concept studies with emphasis on interoperability and joint coalition operations. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding decrease represents a decrease due to economic assumptions.			0.504	0.531	0.420
Title: Technical Reviews and Technical Performance Analysis Description: Provides technology maturity assessments, prepare technical recommendations in support of Army Transformation and specific technologies of interest, including test and evaluate network systems, and infrastructure modeling and simulations to the G-8. FY 2025 Plans: Contractor will continue to provide technology maturity assessments, prepare technical recommendations in support of Army Transformation and specific technologies of interest, including test and evaluate network systems, and infrastructure modeling and simulations to the G-8. FY 2026 Plans:			0.232	0.250	0.140

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203758A / Digitization	Project (Number/Name) 374 / HOR Battlefield Digitizn	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Contractor will continue to provide technology maturity assessments, prepare technical recommendations in support of Army Transformation and specific technologies of interest, including test and evaluate network systems, and infrastructure modeling and simulations to the G-8.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding decrease represents a decrease due to economic assumptions.			
Title: Academic Research			
Description: Apply university academic and research resources to the integration of Army complex modeling, simulation, and training in support of modernized forces.			
FY 2025 Plans: Contractor will continue to apply university academic and research resources to the integration of Army complex modeling, simulation, and training in support of modernized forces.			
FY 2026 Plans: Contractor will continue to apply university academic and research resources to the integration of Army complex modeling, simulation, and training in support of modernized forces.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding decrease represents a decrease due to economic assumptions.			
Accomplishments/Planned Programs Subtotals		0.127	0.142
			0.032
		1.460	1.562
			1.013
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The AE2S development will be done through either a competitive Cost Plus or Fixed Price Incentive contracts that will deliver capabilities in increments, recognizing up front the need for future improvements. The objective of the strategy is to develop and optimize system capabilities while reducing risk and streamlining business and engineering processes.			
FFRDC requirements will be accomplished by competitive contract.			
Other efforts will be accomplished by various contract methods and types.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203758A / Digitization						Project (Number/Name) 374 / HOR Battlefld Digitizn			
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
Interoperability and Integration	Various	Various : Various	10.946	0.304		0.325		0.216		-		0.216	0.000	11.791	-
Operational Capability Analysis and Evaluation	Various	Various : Various	10.215	0.293		0.314		0.205		-		0.205	0.000	11.027	-
Academic Research	Various	Various : Various	3.618	0.127		0.142		0.032		-		0.032	0.000	3.919	-
Systems Architecture Development	Various	Various : Various	8.817	0.504		0.531		0.420		-		0.420	0.000	10.272	-
Technical Reviews and Technical Performance Analysis	Various	Various : Various	8.693	0.232		0.250		0.140		-		0.140	0.000	9.315	-
Subtotal			42.289	1.460		1.562		1.013		-		1.013	0.000	46.324	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			42.289	1.460		1.562		1.013		-		1.013	0.000	46.324	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203758A / Digitization	Project (Number/Name) 374 / HOR Battlefld Digitizn
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	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
Interoperability and Integration																												
Operational Capability Analysis and Evaluation																												
Systems Architecture Development 1.0																												
Systems Architecture Development 2.0																												
Systems Architecture Development 3.0																												
Systems Architecture Development 4.0																												
Systems Architecture Development 5.0																												
Army Equipping Enterprise System (AE2S) Software SW 1.0																												
Army Equipping Enterprise System (AE2S) Software SW 2.0																												
Army Equipping Enterprise System (AE2S) Software SW 3.0																												
Army Equipping Enterprise System (AE2S) Software SW 4.0																												
Army Equipping Enterprise System (AE2S) Software SW 5.0																												
Technical Reviews and Technical Performance Analysis																												
Academic Research																												

	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
Interoperability and Integration																												
Operational Capability Analysis and Evaluation																												
Systems Architecture Development 1.0																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																				Date: June 2025								
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0203758A / Digitization								Project (Number/Name) 374 / HOR Battlefld Digitizn										
	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
Systems Architecture Development 2.0																												
Systems Architecture Development 3.0																												
Systems Architecture Development 4.0																												
Systems Architecture Development 5.0																												
Army Equipping Enterprise System (AE2S) Software SW 1.0																												
Army Equipping Enterprise System (AE2S) Software SW 2.0																												
Army Equipping Enterprise System (AE2S) Software SW 3.0																												
Army Equipping Enterprise System (AE2S) Software SW 4.0																												
Army Equipping Enterprise System (AE2S) Software SW 5.0																												
Technical Reviews and Technical Performance Analysis																												
Academic Research																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203758A / <i>Digitization</i>	Project (Number/Name) 374 / <i>HOR Battlefld Digitizn</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Interoperability and Integration	1	2016	4	2023
Operational Capability Analysis and Evaluation	1	2016	4	2022
Systems Architecture Development 1.0	2	2015	2	2016
Systems Architecture Development 2.0	3	2016	3	2017
Systems Architecture Development 3.0	4	2017	4	2018
Systems Architecture Development 4.0	1	2019	1	2020
Systems Architecture Development 5.0	2	2020	4	2021
Army Equipping Enterprise System (AE2S) Software SW 1.0	2	2015	2	2016
Army Equipping Enterprise System (AE2S) Software SW 2.0	3	2016	3	2017
Army Equipping Enterprise System (AE2S) Software SW 3.0	4	2017	4	2018
Army Equipping Enterprise System (AE2S) Software SW 4.0	1	2019	1	2020
Army Equipping Enterprise System (AE2S) Software SW 5.0	2	2020	4	2021
Technical Reviews and Technical Performance Analysis	1	2015	4	2022
Academic Research	3	2015	4	2022

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program
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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	-	4.203	1.511	1.338	-	1.338	-	-	-	-	-	-
038: Avenger PIP	-	4.203	1.511	1.338	-	1.338	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Avenger is a lightweight, ground-to-air missile and gun weapon system mounted on a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV). The system protects against unmanned aircraft systems, cruise missiles, and fixed and rotary wing threats. Avenger provides day/night adverse weather operations, shoot on the move capability, rapid target engagement, and remote firing capability. It can be air dropped, lifted by helicopter and is air transportable. The system employs up to eight Stinger missiles to counter aerial threats and a .50 Caliber Machine Gun (M3P) for close-in ground and air threats. An Identification Friend or Foe (IFF) system aids in the identification of friendly aircraft in order to minimize the potential for fratricide. The Avenger fleet of 421 systems includes 169 systems that are equipped with a digital Slew-to-Cue (STC) capability to speed target detection and engagement.

FY 2026 funding of \$1.338 million continues system testing requirements and system improvements to address evolving threats.

Avenger is part of the Army Transformation Initiative.

The FY 2026 request was reduced by \$0.171 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	4.520	1.511	1.513	-	1.513
Current President's Budget	4.203	1.511	1.338	-	1.338
Total Adjustments	-0.317	0.000	-0.175	-	-0.175
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.152	-			
• SBIR/STTR Transfer	-0.165	-			
• Adjustments to Budget Years	-	-	-0.175	-	-0.175

Change Summary Explanation

The Fiscal Year 2026 reduction results from inflation and budgetary adjustments.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program				Project (Number/Name) 038 / Avenger PIP			
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
038: Avenger PIP	-	4.203	1.511	1.338	-	1.338	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Avenger is a lightweight, ground-to-air missile and gun weapon system mounted on a High Mobility Multi-Purpose Wheeled Vehicle. The system protects against unmanned aircraft systems, cruise missiles, and fixed and rotary wing threats. Avenger provides day/night adverse weather operations, shoot on the move capability, rapid target engagement, and remote firing capability. It can be air dropped, lifted by helicopter and is air transportable. The system employs up to eight Stinger missiles to counter aerial threats and a .50 Caliber Machine Gun (M3P) for close-in ground and air threats. An Identification Friend or Foe (IFF) system aids in the identification of friendly aircraft in order to minimize the potential for fratricide. The Avenger fleet of 421 systems includes 169 systems that are equipped with a digital Slew-to-Cue (STC) capability to speed target detection and engagement.												
The Avenger Modification - Service Life Extension Program (MOD-SLEP) consists of Project 038: Avenger Production Improvement Program (PIP) and Program Element CE8710: Avenger MODS. The ongoing MOD-SLEP addresses obsolescence of Avenger components to ensure Avenger maintains operational capability through the end of its economic useful life. Key MOD-SLEP components are: the Targeting Console (TC), the M3P, the Avenger Fire Control Computer (AFCC), the Mode 5 IFF, the Vehicle Internal Communications (VIC-5), and the Assured Positioning Navigation and Timing (A-PNT) capability. The AFCC and TC are fielded to the STC Avengers. All other components are fielded to the entire Avenger fleet.												
FY 2026 funding of \$1.338 million provides continues system testing requirements and system improvements to address evolving threats.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Avenger MOD-SLEP									1.449	1.511	1.338	
Description: The Avenger MOD-SLEP consists of development activities for platform integration, software upgrades, and capability enhancements. Develops and executes test requirements and conducts limited contractor and government testing. Performs technical assessments, concept studies, cost reduction, risk reduction and development documentation.												
FY 2025 Plans: FY 2025 funding continues to support system testing requirement and addresses evolving threats and obsolescence mitigation, which allows for product improvement of repair parts that are no longer available.												
FY 2026 Plans: FY 2026 funding continues to support system testing requirement and addresses evolving threats and obsolescence mitigation, which allows for product improvement of repair parts that are no longer available.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program				Project (Number/Name) 038 / Avenger PIP				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 funding increase due to revised economic assumptions.												
Title: A-PNT										2.754	-	-
Description: This effort consists of development, integration, prototyping and testing of technologies that will provide Assured Positioning, Navigation and Timing (A-PNT) capability. The A-PNT capability, including the Anti-Jam Antenna and Defense Advanced GPS Receiver (DAGR) Distributed Device (D3), will provide M-Code capability to the Avenger system.												
Accomplishments/Planned Programs Subtotals										4.203	1.511	1.338
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	
• CE8710: AVENGER MODS	22.274	2.321	-	-	-	-	-	-	-	-	-	
Remarks												
CE8710 Avenger MODS procures the MOD-SLEP components for the Avenger system. This ensures that Avenger is viable and sustainable through the end of its economic useful life. This program is an integral part of the Army Air and Missile Defense Modernization strategy.												
D. Acquisition Strategy												
The Avenger MOD-SLEP addresses obsolescence of key components and ensures that Avenger is viable and sustainable through the end of its economic useful life.												
The MOD-SLEP components are the TC, the AFCC, the Mode 5 IFF, the VIC-5, the M3P machine gun and A-PNT. The M3P machine gun will be fielded through attrition. The other MOD-SLEP components will be installed in the field.												
Development and testing of hardware and software modifications necessary to fully integrate the A-PNT capability into the Avenger will be performed by a combination of Government and Original Equipment Manufacturer efforts, using the existing and new Engineering Service contracts. A-PNT modifications will be performed by Depot Maintenance teams.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program				Project (Number/Name) 038 / Avenger PIP					
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
Avenger Modification Product Development	SS/ Various	Raytheon, The Boeing Company and others : Aberdeen Proving Grounds, MD and Huntsville, AL	13.064	3.223	Oct 2023	1.511	Oct 2024	1.338	Oct 2025	-		1.338	0.000	19.136	-
Subtotal			13.064	3.223		1.511		1.338		-		1.338	0.000	19.136	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
Avenger Modification Test Support	Various	The Boeing Company, U.S. Army Combat Capabilities Development Command Aviation and Missiles Center and others : Huntsville, AL and Redstone Arsenal, AL	8.317	0.980	Oct 2023	-		-		-		-	0.000	9.297	-
Subtotal			8.317	0.980		-		-		-		-	0.000	9.297	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			21.381	4.203		1.511		1.338		-		1.338	0.000	28.433	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7									R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program									Project (Number/Name) 038 / Avenger PIP										
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
Materiel Release (MOD-SLEP)					<div>1</div> <div>Materiel Release</div>																							
A-PNT Integration																												
A-PNT Integration																												
Avenger Modification Product Development / Evolving Threats																												
Avenger Modification Product Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203801A / Missile/Air Defense Product Improvement Program	Project (Number/Name) 038 / Avenger PIP

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Release (MOD-SLEP)	1	2025	1	2025
A-PNT Integration	1	2023	4	2024
Avenger Modification Product Development / Evolving Threats	1	2020	4	2026

Note
MOD-SLEP components are the TC, AFCC, IFF, VIC-5, M3P machine gun and A-PNT.
TC: Targeting Console
AFCC: Avenger Fire Control Computer
IFF: Identification Friend or Foe
MOD-SLEP: Modification - Service Life Extension Program
VIC: Vehicle Internal Communications
A-PNT: Assured Positioning, Navigation and Timing

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203802A I Other Missile Product Improvement Programs							
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	-	9.677	26.708	-	-	0.000	-	-	-	-	-	-
VV2: TOW	-	9.677	26.708	-	-	-	-	-	-	-	-	-
Program MDAP/MAIS Code: PRE												
A. Mission Description and Budget Item Justification												
PE 0203802A VV2: TOW: TOW Weapon System includes the Improved Target Acquisition System (ITAS) and other TOW missile launchers, TOW missiles (BGM-71 series) and other missiles capable of being fired from TOW Missile launchers, and associated tactical training aids/devices. The TOW Weapon System provides long-range, lethal anti-armor and precision assault fires capability for Army Infantry Brigade Combat Teams (IBCT), Stryker Brigade Combat Teams (SBCT) and Armor Brigade Combat Teams (ABCT) within the Active, Reserve, and National Guard components. The United States Marine Corps (USMC) employs the TOW missile from its ITAS derived M41A7 Saber launchers and Anti-Tank Guided Missile (ATGM) vehicles.												
The TOW Weapon System improvement program integrates U.S. Army missile and launcher modifications to improve missile safety and reliability, increase system survivability and lethality, and enhance system network capabilities. These capability improvements support Multi-Domain Operations (MDO) as a part of Joint All Domain Operations (JADO) and the Functional Concept for Movement and Maneuver by providing precise lethal capabilities in multiple domains against armored threat systems.												
PE 0203802A VV2:TOW: has no FY 2026 funding requests.												
FY 2025 Program Change of \$3.000 million for Congressional Add: Containerized Weapon System-APKWS (CWS-A).. CWS-A has demonstrated ability to defeat Group II through III UAS threats. It provides networked sensor to shooter interface enabling multiple stations remotely controlled by a single operator from a protected location. CWS-A increases stand-off situational awareness and security of Command Posts and other Critical Capabilities Assets and Activities (CCAA) and reduces the manpower required to protect semi-fixed locations enabling increased patrols for area security, movement corridors, and response force operations.												

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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 7: Operational Systems Development</i>			R-1 Program Element (Number/Name) PE 0203802A / <i>Other Missile Product Improvement Programs</i>		
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	10.044	23.708	0.000	-	0.000
Current President's Budget	9.677	26.708	0.000	-	0.000
Total Adjustments	-0.367	3.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	3.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.367	-			
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>					
Project: VV2: TOW					
Congressional Add: <i>Containerized Weapon System - APKWS</i>					
Congressional Add Subtotals for Project: VV2					
Congressional Add Totals for all Projects					
<u>Change Summary Explanation</u>					
PE 0203802A VV2: TOW has no FY 2026 funding requests.					

FY 2024	FY 2025
-	3.000
-	3.000
-	3.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Improvement Programs				Project (Number/Name) VV2 / TOW			
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
VV2: TOW	-	9.677	26.708	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
PE 0203802A VV2: TOW Weapon System includes the Improved Target Acquisition System (ITAS) and other TOW missile launchers, TOW missiles (BGM-71 series) and other missiles capable of being fired from TOW Missile launchers, and associated tactical training aids/devices. The TOW Weapon System provides long-range, lethal anti-armor and precision assault fires capability for Army Infantry Brigade Combat Teams (IBCT), Stryker Brigade Combat Teams (SBCT) and Armor Brigade Combat Teams (ABCT) within the Active, Reserve, and National Guard components. The United States Marine Corps (USMC) employs the TOW missile from its ITAS derived M41A7 Saber launchers and Anti-Tank Guided Missile (ATGM) vehicles.												
The TOW Weapon System improvement program integrates U.S. Army missile and launcher modifications to improve missile safety and reliability, increase system survivability and lethality, and enhance system network capabilities. These capability improvements support Multi-Domain Operations (MDO) as a part of Joint All Domain Operations (JADO) and the Functional Concept for Movement and Maneuver by providing precise lethal capabilities in multiple domains against armored threat systems.												
PE 0203802A VV2: TOW has no FY 2026 funding request.												
FY 2025 Program Change of \$3.000 million for Congressional Add: Containerized Weapon System-APKWS (CWS-A). CWS-A has demonstrated ability to defeat Group II through III UAS threats. It provides networked sensor to shooter interface enabling multiple stations remotely controlled by a single operator from a protected location. CWS-A increases stand-off situational awareness and security of Command Posts and other Critical Capabilities Assets and Activities (CCAA) and reduces the manpower required to protect semi-fixed locations enabling increased patrols for area security, movement corridors, and response force operations.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: TOW Missile Obsolescence Mitigation and System Improvements									9.131	22.284	-	
Description: These funds will be used for development and qualification of new components, associated parts, and sub-systems such as the Radio Frequency Data-Link (RF DL), Missile Computer (MC), and Short Wave Infra-Red (SWIR)/tracking beacon. These components will be cut into production via Engineering Change Proposal upon qualification.												
FY 2025 Plans:												
Finalize residual design engineering of the RF DL, MC, and SWIR beacon, and required software to facilitate integration into a tactical system. Close out the build and test of components at the component, sub-system, and integrated system level. FY 2025												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Improvement Programs	Project (Number/Name) VV2 / TOW	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
engineering efforts result in component, sub-system, and system level hardware ready and available for tests at the sub-system and system level.			
FY 2025 to FY 2026 Increase/Decrease Statement: PE 0203802A VV2: TOW has no FY2026 funding request.			
Title: Integration and Counter Measure/Threat management		0.546	0.559
Description: These funds will be used to prepare and perform technical assessments, threat analysis, concept studies, demonstrations, tests, and risk mitigation efforts to address current and emerging threats.			-
FY 2025 Plans: Complete technical assessments, analysis and testing of missiles against various targets to demonstrate current and future capabilities.			
FY 2025 to FY 2026 Increase/Decrease Statement: PE 0203802A VV2: TOW has no FY2026 funding request.			
Title: SBIR/STTR Transfer		-	0.865
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		9.677	23.708
		FY 2024	FY 2025
Congressional Add: Containerized Weapon System - APKWS		-	3.000
FY 2025 Plans: Complete required integration between the FAADC2 sensor system and the CWS-A. Conduct flight demonstration and operational assessment to prove out the capability.			
Congressional Adds Subtotals		-	3.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 I 7				R-1 Program Element (Number/Name) PE 0203802A I Other Missile Product Improvement Programs				Project (Number/Name) VV2 I TOW			
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
• C59300: TOW 2 System Summary	180.764	105.295	11.731	-	11.731	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The TOW Weapon System acquisition strategy uses in-house expertise, Other Government Agencies (OGA), defense industry capabilities, and when appropriate Other Transaction Authority (OTA). The strategy allows the Government the ability to support urgent operational needs and unanticipated requirements, which require immediate and expert attention. This approach enables the Government to maintain TOW Weapon System effectiveness and posture for emerging requirements while leveraging new authorities and incorporating new technologies.											
The Containerized Weapon System-APKWS (CWS-A) acquisition strategy uses OGAs and the prime contractor to conduct engineering efforts and operational assessments.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Improvement Programs				Project (Number/Name) VV2 / TOW					
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 Engr/Program Management, Govt	MIPR	Multiple : Redstone Arsenal, AL	3.053	0.824	Mar 2024	0.857	Mar 2025	-		-		-	0.000	4.734	-
SBIR/STTR	TBD	Various : Various	-	-		0.865		-		-		-	0.000	0.865	-
Subtotal			3.053	0.824		1.722		-		-		-	0.000	5.599	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
Component Design Engineering	SS/CPFF	Raytheon : Tucson, AZ	15.833	2.331	Mar 2024	2.676	Jul 2025	-		-		-	0.000	20.840	-
Component Hardware Build	SS/CPFF	Raytheon : Tucson, AZ	6.836	4.162	Mar 2024	14.788	Jul 2025	-		-		-	0.000	25.786	-
Integration and Counter Measure/Threat management	Various	Various : Various	1.093	0.489	Mar 2024	0.559	Aug 2025	-		-		-	0.000	2.141	-
Containerized Weapon System - APKWS System Integration	SS/CPFF	Invariant Corporation : Huntsville, AL	-	-		3.000	Jul 2025	-		-		-	0.000	3.000	-
Subtotal			23.762	6.982		21.023		-		-		-	0.000	51.767	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
Component/System Test and Evaluation	SS/CPFF	Raytheon : Tucson, AZ	3.007	1.871	Mar 2024	3.963	Aug 2025	-		-		-	0.000	8.841	-
Subtotal			3.007	1.871		3.963		-		-		-	0.000	8.841	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Improvement Programs					Project (Number/Name) VV2 / TOW				
		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		29.822	9.677		26.708		-		-		-	0.000	66.207	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Improvement Programs		Project (Number/Name) VV2 / TOW	

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
TOW																												
Component Design Engineering																												
Component Hardware Build																												
Component Testing																												
System Test and Integration																												
Integration and Counter Measure / Threat Management																												
CWS-A																												
System Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0203802A / Other Missile Product Impr ovement Programs	Project (Number/Name) VV2 / TOW	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
TOW	1	2025	4	2030
Component Design Engineering	2	2021	2	2026
Component Hardware Build	2	2023	2	2026
Component Testing	3	2023	2	2026
System Test and Integration	2	2025	2	2026
Integration and Counter Measure / Threat Management	2	2023	2	2026
CWS-A	1	2026	4	2026
System Integration	3	2025	3	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development	PE 0205412A / Environmental Quality Technology - Operational System 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	-	0.271	0.269	-	-	0.000	-	-	-	-	-	-
EE6: Environmental Information Tech Modernization	-	0.271	0.269	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Environmental Information Technology Management (EITM) program includes support for the Defense Environment, Safety & Occupational Health Network Information Exchange (DENIX) defense business system, as well as its database and reporting application, the Knowledge Based Corporate Reporting System (KBCRS). This request for research, development, test and evaluation (RDTE) is to implement necessary enhancements to facilitate DENIX's Platform-as-a-Service capabilities, with additional modernizations that will improve the DoD's ESOH system of record and reporting tool set. This also includes upgrades to incorporate ongoing cybersecurity, cloud computing, and other information technology requirements.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.281	0.269	0.272	-	0.272
Current President's Budget	0.271	0.269	0.000	-	0.000
Total Adjustments	-0.010	0.000	-0.272	-	-0.272
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.010	-			
• Adjustments to Budget Years	-	-	-0.272	-	-0.272

Change Summary Explanation

FY 2026 decrease reflects planned lifecycle of the effort.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205412A / Environmental Quality Technology - Operational System Dev				Project (Number/Name) EE6 / Environmental Information Technology 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
EE6: Environmental Information Tech Modernization	-	0.271	0.269	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Environmental Information Technology Management (EITM) program includes support for the Defense Environment, Safety & Occupational Health Network and Information Exchange (DENIX) defense business system, as well as its database and reporting application, the Knowledge Based Corporate Reporting System (KBCRS). This request for research, development, test, and evaluation (RDTE) is to implement necessary enhancements to facilitate DENIX's Platform-as-a-Service (PaaS) capabilities, with additional modernizations that will improve the DoD's ESOH system of record and reporting tool set. This also includes upgrades to incorporate ongoing cybersecurity, cloud computing, and other information technology requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Title: Environmental Information Technology Modernization										0.271	0.269	-
Description: Prototype, develop, and implement platform enhancements as required to meet data management requirements for the Defense Environment, Safety & Occupational Health Network and Information Exchange (DENIX) and its reporting application, the Knowledge Based Corporate Reporting System (KBCRS).												
FY 2025 Plans: In FY25, DENIX Program will continue to implement modernization efforts. These critical improvements in FY25 include starting the project to transition to a modern software language for the Knowledge Based Corporate Reporting System (KBCRS) which is a security risk due to its legacy code base.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease reflects planned lifecycle of the effort.												
Accomplishments/Planned Programs Subtotals										0.271	0.269	-
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	
• OMA - 432612000: Information Mgmt - Automation	-	-	-	-	-	-	-	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205412A / <i>Environmental Quality Technology - Operational System Dev</i>	Project (Number/Name) EE6 / <i>Environmental Information Technology Modernization</i>	

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>
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Remarks

Information Mgmt - Automation 43261200 - This is the associated OMA line that provides daily support for the DoD Environment, Safety & Occupational Health Network Information Exchange and associated applications. EITM is managed as a Defense Business System #3180.

D. Acquisition Strategy

The Deputy Assistant Secretary of the Army for Environment, Safety & Occupational Health is the designated Executive Agent for the Environmental Information Technology Management (EITM) program. Defined by the DoD Directive 4715.1E, the EITM mission is to ensure efficient use of enterprise environment, safety, and occupational health (ESOH) corporate information management processes by providing and sustaining requirement-driven ESOH corporate data management, Congressional-reporting, and public outreach tools to the DoD, and other DoD stakeholders. Funding provided for this program will allow EITM to continue to develop and modernize the platform to meet Army and DoD policy-driven cloud computing and cybersecurity requirements. Prior to funding being committed, DoD ESOH stakeholders and authoritative information technology organizations were consulted to determine necessary system interface upgrades to be incorporated. Expanding DENIX's architecture to create a Level 2 container separate from the current Level 4 container will not only provide a more secure, cybersecurity risk-adverse environment, but it will also optimize performance, capabilities, and mandatory reporting for ESOH stakeholders using a PaaS delivery model. This phased solution begins in FY 2018 by prototyping of system architecture optimization that improves user experience, enabling web conferencing in FY 2019 and applying machine learning concepts to improve data quality in FY 2020-2022.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0205412A / Environmental Quality Technology - Operational System Dev				Project (Number/Name) EE6 / Environmental Information Technology 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
SBIR/STTR Transfer	TBD	Various : Various	-	-		-		0.000		-		0.000	-	-	-
Subtotal			-	-		-		0.000		-		0.000	-	-	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 enhancements for required network interfaces to support EITM mission.	C/FFP	Delta Resources : Alexandria, VA	1.973	0.271		0.269		-		-		-	0.000	2.513	-
Subtotal			1.973	0.271		0.269		-		-		-	0.000	2.513	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			1.973	0.271		0.269		0.000		-		0.000	0.000	2.513	N/A
Remarks															

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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 / 7					PE 0205412A / Environmental Quality Technology - Operational System Dev					EE6 / Environmental Information Technology Modernization			

	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
Split architecture prototype																												
User experience and containerization																												
Webinars/virtual conferencing prototype and development																												
Machine learning algorithms																												
Machine learning prototype																												

	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
Split architecture prototype																												
User experience and containerization																												
Webinars/virtual conferencing prototype and development																												
Machine learning algorithms																												
Machine learning prototype																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205412A / Environmental Quality Technology - Operational System Dev	Project (Number/Name) EE6 / Environmental Information Technology Modernization	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Split architecture prototype	2	2019	2	2020
User experience and containerization	3	2019	3	2021
Webinars/virtual conferencing prototype and development	1	2020	4	2020
Machine learning algorithms	1	2020	4	2021
Machine learning prototype	4	2020	4	2022

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)							
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	-	70.808	20.590	33.307	-	33.307	-	-	-	-	-	-
DL1: Extended Range GMLRS	-	-	-	30.776	-	30.776	-	-	-	-	-	-
EG2: GMLRS Alternative Warheads	-	23.475	-	-	-	-	-	-	-	-	-	-
EG3: Guided MLRS	-	47.333	20.590	2.531	-	2.531	-	-	-	-	-	-
Program MDAP/MAIS Code: 260												
Note Project DL1: Extended Range GMLRS (ER-GMLRS) is established within program element (PE) 0205778A / Guided Multiple-Launch Rocket System (GMLRS) in FY 2026 to separately account for efforts associated with the extended range configuration. Efforts under project DL1 are a continuation of efforts previously funded within the same PE but under project code EG3 / Guided MLRS.												
A. Mission Description and Budget Item Justification Guided Multiple-Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. The GMLRS Program currently consists of multiple variants: GMLRS Unitary utilizes a 200-pound high explosive warhead to engage point targets with limited collateral damage; GMLRS Dual Purpose Improved Conventional Munition (DPICM) cluster munition to engage area or imprecisely located targets; and GMLRS Alternative Warhead (AW) which has been developed as a non-cluster munition to engage the same target set as GMLRS DPICM. GMLRS DPICM Production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy. GMLRS Unitary and AW are currently in full rate production. The GMLRS program will continue to leverage ongoing Government and Industry research and development efforts to extend range, increase survivability, and enhance lethality. The GMLRS program includes a modification that extends the maximum range (Extended Range (ER) GMLRS) and is capable of carrying both the Unitary and AW warheads. The GMLRS program also includes an Enhanced Alternative Warhead (EAW) modification that will service the existing GMLRS and ER-GMLRS AW targets while adding capability against light and medium armored vehicles. The GMLRS program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. These efforts include integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps. GMLRS is part of the Army Transformation Initiative. The munitions developed under this funding line are part of the MLRS Family of Munitions (MFOM) that are deployed by the M142 HIMARS and M270 MLRS launchers.												

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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 7: Operational Systems Development			R-1 Program Element (Number/Name) PE 0205778A I Guided Multiple-Launch Rocket System (GMLRS)				
<p>Project DL1: Completes ER-GMLRS system development and qualification with redesigned side mounted proximity sensor. DL1 also funds the Enhanced Alternative Warhead (EAW) system development and qualification. EAW system level qualification, integration, and test completes initially with standard range GMLRS rockets prior to integration of EAW into ER-GMLRS.</p> <p>Project EG2: The U.S. Army initially funded the development of the Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) increment under this project code.</p> <p>Project EG3: Guided MLRS funding line supports GMLRS enhancements including development of Assured Position, Navigation, and Timing (APNT).</p> <p>The FY 2026 request was reduced by \$0.043 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>							
B. Program Change Summary (\$ in Millions)			FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget			75.952	20.590	20.643	-	20.643
Current President's Budget			70.808	20.590	33.307	-	33.307
Total Adjustments			-5.144	0.000	12.664	-	12.664
• Congressional General Reductions			-	-			
• Congressional Directed Reductions			-0.900	-			
• Congressional Rescissions			-	-			
• Congressional Adds			-	-			
• Congressional Directed Transfers			-	-			
• Reprogrammings			-2.600	-			
• SBIR/STTR Transfer			-1.644	-			
• Adjustments to Budget Years			-	-	12.664	-	12.664
Change Summary Explanation							
Increase in FY 2026 reflects funding to re-design the side mounted proximity sensor in the ER-GMLRS to address performance anomalies experienced during system qualification testing and to continue development and qualification efforts for the EAW.							

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) DL1 / Extended Range GMLRS			
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
DL1: Extended Range GMLRS	-	-	-	30.776	-	30.776	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
Project DL1: Extended Range GMLRS (ER-GMLRS) is established within program element (PE) 0205778A / Guided Multiple-Launch Rocket System (GMLRS) in FY 2026 to separately account for efforts associated with the extended range configuration. Efforts under project DL1 are a continuation of efforts previously funded within the same PE but under project code EG3 / Guided MLRS.												
A. Mission Description and Budget Item Justification												
The DL1 project code funds efforts to enhance Extended Range Guided Multiple Launch Rocket System (ER-GMLRS) rockets and common components under Project DL1: Extended Range GMLRS. The Army is requesting funding for ER-GMLRS Research, Development, Test and Evaluation (RDT&E) development, integration, and test activities to enhance operational capabilities including increased range, improved lethality and survivability, enhanced flight performance, and Assured Positioning, Navigation and Timing (APNT).												
FY 2026 dollars in the amount of \$30.776 million will fund system level qualification of the ER-GMLRS with a redesigned Side Mounted Proximity Sensor and the Enhanced Alternative Warhead.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: ER-GMLRS Development & Qualification (redesign SMPS)								-	-	9.079	-	9.079
Description: Flight testing in FY 2024 revealed thermal issues with the Side Mounted Proximity Sensor (SMPS) requiring a component redesign. The system qualification will complete in FY 2026.												
FY 2026 Base Plans: Complete system level qualification of the ER-GMLRS with redesigned SMPS.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to initiation of this effort under the DL1 funding line. This is a continuation of the effort previously funded under project EG3 / Guided MLRS.												
Title: Enhanced Alternative Warhead Qualification								-	-	21.697	-	21.697

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>			Project (Number/Name) DL1 / <i>Extended Range GMLRS</i>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: The EAW effort modifies the AW warhead, proximity sensor, and warhead fuze for increased lethality against light and medium armored targets. The EAW shall be integrated into both GMLRS and ER-GMLRS rockets.</p> <p>FY 2026 Base Plans: Complete system qualification, including launcher and rocket operational flight software development, for GMLRS as a necessary step prior to integration of EAW into ER-GMLRS.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to initiation of this effort under the DL1 funding line and an increase in complexity of the FY 2026 effort as compared to FY 2025. This is a continuation of the effort previously funded under project EG3 / Guided MLRS. FY 2025 will complete component qualification and begin system level integration under the EG3 project code. In FY 2026, the effort becomes more complex as the EAW program conducts qualification efforts including ground testing, system qualification flights, and operational flight testing.</p>											
Accomplishments/Planned Programs Subtotals							-	-	30.776	-	30.776
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
• EG3: <i>Guided MLRS</i>	47.333	20.590	2.531	-	2.531	-	-	-	-	-	-
• C64400: <i>Guided MLRS Rocket (GMLRS)</i>	1,398.086	1,198.264	1,167.876	0.351	1,168.227	-	-	-	-	-	-
Remarks GMLRS Procurement funding includes C65404, C64416, C64417, C64418, C64419.											
D. Acquisition Strategy Project DL1: Extended Range GMLRS supports the development of enhanced operational capabilities including increased range, improved lethality and survivability, enhanced flight performance, and Assured Positioning, Navigation and Timing (APNT). ER-GMLRS completion will be via a Federal Acquisition Regulation (FAR) development contract, while EAW development and qualification will be via an Other Transaction Authority (OTA) vehicle through FY 2026. Future production contracts are planned to be awarded as sole source Firm Fixed Price with some Cost-Plus Fixed Fee efforts as necessary to support the program.											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i>	Project (Number/Name) DL1 / <i>Extended Range GMLRS</i>
The STORM Project Office, Army Contracting Command-Redstone, Aviation and Missile Technology Consortium, and Defense Contract Management Agency administer the respective FAR and OTA efforts.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) DL1 / Extended Range GMLRS					
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 Program Management	Various	Various : RSA	-	-		-		4.095	Jan 2026	-		4.095	0.000	4.095	-
Subtotal			-	-		-		4.095		-		4.095	0.000	4.095	N/A
Remarks MIPR-Military Interdepartmental Purchase Request; RSA-Redstone Arsenal, Alabama; TBD-To Be Determined															
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 Government Agencies	MIPR	Various : Various	-	-		-		5.907	Jan 2026	-		5.907	0.000	5.907	-
Enhanced Alternative Warhead	C/CPFF	Kord : Huntsville, AL	-	-		-		12.904	Jan 2026	-		12.904	0.000	12.904	-
Subtotal			-	-		-		18.811		-		18.811	0.000	18.811	N/A
Remarks SS/FPIF-Sole Source/Fixed-Price Incentive Firm; LMMFC - Lockheed Martin Missile and Fire Control; TX - Texas; C/CPFF- Competitive/Cost Plus Fixed Fee; C/FPIF - Competitive/Fixed-Price Incentive Firm; TBD - To Be Determined The Enhanced Alternative Warhead effort will provide increased lethality against medium to light armored targets serviced by GMLRS															
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
Enhanced Alternative Warhead	MIPR	Various : Various	-	-		-		2.084	Jan 2026	-		2.084	0.000	2.084	-
ER-GMLRS	MIPR	Various : Various	-	-		-		5.786	Jan 2026	-		5.786	0.000	5.786	-
Subtotal			-	-		-		7.870		-		7.870	0.000	7.870	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)					Project (Number/Name) DL1 / Extended Range GMLRS					
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
Remarks Performing Activities include White Sands Missile Range (WSMR), Aviation and Missile Center (AvMC), Army Research Laboratory (ARL), and Redstone Test Center (RTC).															
			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			-	-		-		30.776		-		30.776	0.000	30.776	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) DL1 / Extended Range GMLRS	

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
ER-GMLRS SMPS redesign and system qualification																												
System qualification testing																												
Operational flight testing (ER-GMLRS SMPS)																												
Enhanced Alternative Warhead system qualification into GMLRS																												
System level integration and qualification flight testing																												
Operational flight testing (GMLRS EAW)																												

Note
The DL1 funding line completes the qualification of ER-GMLRS previously funded under the EG3 project code. Additionally, the DL1 project code completes qualification of the EAW on the GMLRS as a necessary step prior to integration of EAW into ER-GMLRS.

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) DL1 / Extended Range GMLRS	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ER-GMLRS SMPS redesign and system qualification	1	2026	4	2026
System qualification testing	1	2026	2	2026
Operational flight testing (ER-GMLRS SMPS)	4	2026	4	2026
Enhanced Alternative Warhead system qualification into GMLRS	1	2026	4	2026
System level integration and qualification flight testing	1	2026	3	2026
Operational flight testing (GMLRS EAW)	4	2026	4	2026

Note
The DL1 funding line completes the qualification of ER-GMLRS previously funded under the EG3 project code. Additionally, the DL1 project code completes qualification of the EAW on the GMLRS as a necessary step prior to integration of EAW into ER-GMLRS.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) EG2 / GMLRS Alternative Warheads			
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
EG2: GMLRS Alternative Warheads	-	23.475	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Continuation of the EAW qualification effort beyond FY 2024 is funded under Projects EG3 / Guided MLRS and DL1 / Extended Range GMLRS.												
The U.S. Army initially funded the development of the Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) increment under the Project EG2: GMLRS Alternative Warheads project code. GMLRS AW entered full rate production in 2015. The 26 October 2016 Deputy Secretary's Management Action Group (DMAG) directed the Army to define and execute an effort for a GMLRS modification that would integrate a seeker into the rocket. The Army prioritized integration of an Enhanced Alternative Warhead (EAW) into a standard range GMLRS rocket over continuation of the seeker spiral.												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Title: Enhanced Alternative Warhead							23.475	-	-	-	-	
Description: The Enhanced Alternative Warhead effort modifies the AW warhead, proximity sensor, and warhead fuze for increased lethality against light and medium armored targets.												
Accomplishments/Planned Programs Subtotals							23.475	-	-	-	-	
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	
• C64400: Guided MLRS Rocket (GMLRS)	1,398.086	1,198.264	1,167.876	0.351	1,168.227	-	-	-	-	-	-	
• EG3: Guided MLRS	47.333	20.590	2.531	-	2.531	-	-	-	-	-	-	
Remarks												
GMLRS missile procurement Army (MiPA) funding includes C65404 and C65406.												
D. Acquisition Strategy												
The GMLRS EAW lethality enhancement will service the existing GMLRS targets while adding capability against light/medium armored targets. The lead system integrator will enhance GMLRS M30A2 lethality by integrating a modified alternative warhead, new ESAF, and modified legacy proximity sensor. System integrator will												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) EG2 / GMLRS Alternative Warheads
conduct component and system level qualification testing (arena, ground, flight) and production line validation. Components will be qualified to both GMLRS and ER GMLRS standards. The end state is a qualified munition with a new nomenclature, ready for production cut-in as an ECP, to the existing GMLRS production line after qualification is completed.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) EG2 / GMLRS Alternative Warheads					
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 Program Management	Various	STORM Project Office : RSA	12.482	0.095	Jan 2024	-		-		-		-	0.000	12.577	-
Subtotal			12.482	0.095		-		-		-		-	0.000	12.577	N/A
Remarks STORM-Strategic and Operational Rockets and Missiles; RSA-Redstone Arsenal															
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 Government Agencies	MIPR	CCDC/AvMC : RSA	11.641	9.808	Jan 2024	-		-		-		-	0.000	21.449	-
Enhanced Alternative Warhead	C/CPFF	Kord : Huntsville, AL	25.309	10.626	Jan 2024	-		-		-		-	0.000	35.935	-
AWP Contracts (Multiple)	TBD	LMMCF : Dallas, TX	10.237	-		-		-		-		-	0.000	10.237	-
Subtotal			47.187	20.434		-		-		-		-	0.000	67.621	N/A
Remarks AWP-Alternative Warhead Program; Various-Competitive/Firm Fixed Price/Sole Source/Cost Plus Fixed Fee; CCDC-Combat Capabilities Development Command; AvMC-Aviation and Missile Center; RSA-Redstone Arsenal; NGDS-Northrop Grumman Defense Systems; MN-Minnesota; LMMFC-Lockheed Martin Missile and Fire Control; TX-Texas; AL-Alabama															
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 for EAW	MIPR	WSMR, RTC, AVMC : NM, Redstone Arsenal	1.076	2.946	Jan 2024	-		-		-		-	0.000	4.022	-
Subtotal			1.076	2.946		-		-		-		-	0.000	4.022	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)					Project (Number/Name) EG2 / GMLRS Alternative Warheads					
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
Remarks WSMR-White Sands Missile Range; NM-New Mexico RTC- Redstone Test Center; Redstone Arsenal, AL AVMC- Aviation and Missiles Center; Redstone Arsenal, AL Cost for Prior Years Test Support is for efforts prior to Seeker Test Support															
			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			60.745	23.475		-		-		-		-	0.000	84.220	N/A
Remarks															

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

Date: June 2025

[illegible]

2040 / 7

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

PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)

Project (Number/Name)	Start Date	End Date	Duration (Days)	Project Manager	Status	Notes
101	2023-01-01	2023-01-15	15	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	14	John Doe	On Hold	Project is on hold due to resource availability.
104	2023-02-16	2023-03-01	15	Jane Smith	Completed	Project completed successfully.
105	2023-03-02	2023-03-15	14	John Doe	In Progress	Project is currently in progress.
106	2023-03-16	2023-03-31	15	Jane Smith	On Hold	Project is on hold due to resource availability.
107	2023-04-01	2023-04-15	15	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	14	John Doe	On Hold	Project is on hold due to resource availability.
110	2023-05-16	2023-06-01	16	Jane Smith	Completed	Project completed successfully.

EG2 / GMLRS Alternative Warheads

[illegible]

Note

Continuation of the EAW qualification effort beyond FY 2024 is funded under Projects EG3 and DL1.

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) EG2 / GMLRS Alternative Warheads

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EAW development, integration, and test activities	2	2020	4	2024

Note
Continuation of the EAW qualification effort beyond FY 2024 is funded under Projects EG3 and DL1.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) EG3 / Guided MLRS			
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
EG3: Guided MLRS	-	47.333	20.590	2.531	-	2.531	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The U.S. Army continues to explore ways to enhance Guided Multiple Launch Rocket System (GMLRS) rockets and common components under Project EG3: Guided MLRS. The Army is requesting funding for GMLRS Research, Development, Test and Evaluation (RDT&E) development, integration, and test activities to enhance operational capabilities including increased range, improved lethality and survivability, enhanced flight performance, and Assured Positioning, Navigation and Timing (APNT).

FY 2026 dollars in the amount of \$2.531 million will fund continuation of APNT development activities.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: GMLRS enhancements Description: The Enhanced Alternative Warhead effort modifies the AW warhead, proximity sensor, and warhead fuze for increased lethality against light and medium armored targets. FY 2025 Plans: Complete component level design through critical design review (CDR), engineering development flight testing, and system level CDR. Completion of these activities will allow the program to transition to integration activities supporting ground and flight qualification tests. Software testing and materiel release activities will be ongoing for required Type Classification (TC) and Full Materiel Release (FMR) package submission supporting EAW production. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to EAW qualification in GMLRS being funded under project DL1 in FY 2026 as an intermediary step to begin integration of the EAW into ER-GMLRS.	4.457	3.177	-	-	-
Title: GMLRS Assured Position Navigation and Timing (APNT) Description: Address requirements related to maintaining accuracy in a contested environment, improving accuracy over longer ranges, and compliance with statutory GPS requirements. FY 2025 Plans:	29.546	3.793	2.531	-	2.531

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) EG3 / Guided MLRS			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Continues development of the Next Generation Guidance Set. The US Army Combat Capabilities Development Command (CCDC) Aviation and Missile Center (AvMC) will compare receiver solutions against operational and technical requirements and investigate Anti-Jamming applique solutions for Extended and Standard Range GMLRS. Begin prototyping efforts for integration of applique solutions. FY 2026 Base Plans: Continues development of advanced capabilities leveraging previous work on Anti-Jam hardware through software development that enables offensive fires in a radio frequency degraded or denied environment. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to transition from hardware development in FY 2025 to development of software in FY 2026.						
Title: Extended Range (ER) GMLRS development Description: Flight testing in FY 2024 revealed thermal issues with the Side Mounted Proximity Sensor (SMPS) requiring a component redesign. The component redesign and system qualification will complete in FY 2026. FY 2025 Plans: Continue redesign and qualification of the new SMPS to include design verification testing and system qualification. Continues launcher software development support. Build flight termination systems to support operational test flights in FY 2026. FY 2025 to FY 2026 Increase/Decrease Statement: A separate funding line is established in FY 2026 to address ER-GMLRS efforts.		13.330	12.817	-	-	-
Title: SBIR/STTR Transfer 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.		-	0.803	-	-	-
Accomplishments/Planned Programs Subtotals		47.333	20.590	2.531	-	2.531

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) EG3 / Guided MLRS			
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
• C64400: Guided MLRS Rocket (GMLRS)	1,398.086	1,198.264	1,167.876	0.351	1,168.227	-	-	-	-	-	-
• EG2: GMLRS Alternative Warheads	23.475	-	-	-	-	-	-	-	-	-	-
• DL1: Extended Range GMLRS	-	-	30.776	-	30.776	-	-	-	-	-	-
Remarks											
GMLRS Procurement funding includes C65404, C64416, C64417, C64418, C64419											
D. Acquisition Strategy											
Project EG3: Guided MLRS supports the development of enhanced operational capabilities including improved lethality and survivability, enhanced flight performance, and Assured Positioning, Navigation and Timing (APNT).											
Currently planned capability improvements funded under EG3 include APNT activities to improve overall system performance in contested environments.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)				Project (Number/Name) EG3 / Guided MLRS					
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 Program Management	Various	Various : RSA	22.721	4.337	Jan 2024	4.604	Jan 2025	0.295	Jan 2026	-		0.295	Continuing	Continuing	Continuing
SBIR/STTR Transfer	Various	Various : Various	-	-		0.803		-		-		-	0.000	0.803	-
Subtotal			22.721	4.337		5.407		0.295		-		0.295	Continuing	Continuing	N/A
Remarks															
MIPR-Military Interdepartmental Purchase Request; RSA-Redstone Arsenal, Alabama; TBD-To Be Determined															
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
Unitary Contracts/IES/ Multiple	SS/ Various	LMMFC : Dallas, TX	68.332	11.871	Jan 2024	0.660	Jan 2025	-		-		-	Continuing	Continuing	Continuing
Other Government Agencies	MIPR	Various : Various	46.939	10.227	Jan 2024	4.630	Jan 2025	2.236	Jan 2026	-		2.236	0.000	64.032	Continuing
APNT AMTC	C/CPFF	NTA : Huntsville, AL	-	10.692	Oct 2024	-		-		-		-	0.000	10.692	Continuing
APNT Multiple	C/Various	Various : Various	-	0.503	May 2024	-		-		-		-	0.000	0.503	-
Enhanced Alternative Warhead	C/CPFF	Kord : Huntsville, AL	-	2.477		0.756	Mar 2025	-		-		-	0.000	3.233	-
ER-GMLRS	SS/FPIF	LMMFC : Dallas, TX	-	6.274		-		-		-		-	0.000	6.274	-
Subtotal			115.271	42.044		6.046		2.236		-		2.236	Continuing	Continuing	N/A
Remarks															
SS/FPIF-Sole Source/Fixed-Price Incentive Firm; LMMFC - Lockheed Martin Missile and Fire Control; TX - Texas; C/CPFF- Competitive/Cost Plus Fixed Fee; C/FPIF - Competitive/Fixed-Price Incentive Firm; WV - West Virginia; VA - Virginia; TBD - To Be Determined; IES - Industrial Engineering Services The Enhanced Alternative Warhead effort will provide increased lethality against medium to light armored targets serviced by GMLRS; the EAW Integration into ER-GMLRS will provide this same capability at extended ranges against targets serviced by ER-GMLRS															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)						Project (Number/Name) EG3 / Guided MLRS			
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
Enhanced Alternative Warhead	MIPR	Various : Various	2.411	0.697		0.972	Jan 2025	-		-		-	0.000	4.080	-
ER-GMLRS	MIPR	Various : Various	-	0.088	Jan 2024	8.165		-		-		-	0.000	8.253	-
APNT	MIPR	Various : Various	-	0.167	Sep 2024	-		-		-		-	0.000	0.167	-
Subtotal			2.411	0.952		9.137		-		-		-	0.000	12.500	N/A
Remarks Performing Activities include White Sands Missile Range (WSMR), Aviation and Missile Center (AvMC), Army Research Laboratory (ARL), and Redstone Test Center (RTC).															
			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			140.403	47.333		20.590		2.531		-		2.531	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)		Project (Number/Name) EG3 / Guided MLRS	

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
Assured Position, Navigation, and Timing																												
Next Generation Guidance Set Development																												
Enhanced Alternative Warhead																												
Enhanced Alternative Warhead into Standard Range GMLRS																												
Component Level Design through CDRs																												
EDT Flight Testing																												
Component Qualification Testing																												
System Level CDR																												
System Level Integration																												
Extended Range GMLRS																												
ER-GMLRS Development and Qualification																												
ER-GMLRS System Qualification Flight Testing (old SMPS)																												
ER-GMLRS Operational Testing (old SMPS)																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 7									R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)									Project (Number/Name) EG3 / Guided MLRS														
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				
Engineering Change Proposal (ECP) Cut-in Decision (Unita...	1																															
ER-GMLRS Functional Configuration Audit	2																															
ER-GMLRS SMPS Redesign and subsystem qualification																																
EAW Integration into ER-GMLRS																																
EAW Integration and Delta Qualification for ER-GMLRS																																

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) EG3 / Guided MLRS
<p>The EAW effort will result in a warhead that will be integrated into both the GMLRS and ER-GMLRS configurations. In FY 2026, the DL1 project code continues qualification of the EAW on the GMLRS and component level qualification to ER-GMLRS performance standards.</p>		

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)	Project (Number/Name) EG3 / Guided MLRS	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Assured Position, Navigation, and Timing	3	2021	4	2026
Next Generation Guidance Set Development	2	2024	4	2026
Enhanced Alternative Warhead	1	2022	4	2025
Enhanced Alternative Warhead into Standard Range GMLRS	1	2023	4	2025
Component Level Design through CDRs	1	2022	3	2025
EDT Flight Testing	2	2025	2	2025
Component Qualification Testing	4	2023	4	2025
System Level CDR	3	2025	3	2025
System Level Integration	4	2024	4	2025
System Engineering	3	2021	2	2023
Prototype Builds	4	2022	2	2023
Extended Range GMLRS	2	2018	2	2024
ER-GMLRS Development and Qualification	2	2018	4	2025
Preliminary Design Review	3	2019	3	2019
ER-GMLRS Design Verification Testing	3	2020	2	2021
ER-GMLRS Engineering Development Testing	1	2021	3	2021
Delta Preliminary Design Review	1	2021	1	2021
ER-GMLRS System Qualification (Ground) Testing	3	2021	4	2023
Critical Design Reviews	3	2021	3	2021
ER-GMLRS System Qualification Flight Testing (old SMPS)	3	2022	1	2024
ER-GMLRS Operational Testing (old SMPS)	2	2024	2	2024
Engineering Change Proposal (ECP) Cut-in Decision (Unitary only)	2	2024	2	2024

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS)		Project (Number/Name) EG3 / Guided MLRS
		Start		End
Events		Quarter	Year	Quarter Year
ER-GMLRS Functional Configuration Audit		2	2024	2 2024
ER-GMLRS SMPS Redesign and subsystem qualification		2	2024	4 2025
EAW Integration into ER-GMLRS		2	2024	4 2025
EAW Integration and Delta Qualification for ER-GMLRS		2	2024	4 2025
<p>Note</p> <p>The ER-GMLRS effort transitions to the DL1 project code in FY 2026. SMPS redesign and component qualification shall be completed under the EG3 project code; system qualification of ER-GMLRS with redesigned SMPS shall be completed under the DL1 project code.</p> <p>The EAW effort will result in a warhead that will be integrated into both the GMLRS and ER-GMLRS configurations. In FY 2026, the DL1 project code continues qualification of the EAW on the GMLRS and component level qualification to ER-GMLRS performance standards.</p>				

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0208053A I Joint Tactical Ground System							
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	-	0.477	-	-	-	0.000	-	-	-	-	-	-
635: Joint Tact Grd Station-P3I	-	0.477	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

JTAGS transitioned to US Space Force in Fiscal Year 2024 (FY2024). The Joint Tactical Ground Station (JTAGS) is a post-production, Acquisition Category (ACAT) III program. JTAGS provides missile warning message data for the Air and Missile Defense (AMD) architecture and improves performance for Integrated Air and Missile Defense Fire Control Systems/Composite Army Air and Missile Defense Brigades.

JTAGS disseminates near real time warning, alerting, and cueing information on ballistic missile launches and other tactical events of interest throughout the theater using existing communication networks, providing critical support to Combatant Commanders in their Areas of Responsibility (AOR). Four outside the continental United States (OCONUS) deployed JTAGS units, which are deployed in three theaters (United States Pacific Command (PACOM), United States Central Command (CENTCOM), United States European Command (EUCOM)), constitute DoD's only in-theater system providing space-based missile warning. The fifth CONUS system is used as an institutional trainer but is available as a deployable asset. JTAGS is designated as the in-theater element of the United States Strategic Command's Theater Event System (TES), supporting all Theater Missile Defense pillars, affording the shortest sensor-to-shooter connectivity. On 14 January 2016, the Army Acquisition Executive designated the JTAGS Pre-Planned Product Improvement (JTAGS P3I) program as a separate ACAT III modification program.

The JTAGS Program Element (PE) supports development and testing of the JTAGS Block II Preplanned Product Improvements (P3I) program based on the JTAGS Operational Requirements Document (ORD), additive Joint Requirements Oversight Council - Memorandum (JROC-M) requirements, and the formal JTAGS Block II Capability Development Document (CDD) thresholds. P3I upgraded JTAGS to a Block II configuration for operation with the next generation of Space Based Infrared System (SBIRS) satellites, and improved warning tactical parameters and timeliness. The JTAGS Block II P3I program based on the 2009 JTAGS ORD is on contract as a two-phase development effort. JTAGS Block II P3I Phase 1 is complete. The final developmental efforts of JTAGS Block II P3I Phase 2 to achieve 2009 ORD requirements completed in FY2022. Follow-on Test and Evaluation (FOTE) completed in FY2022 with Materiel Release efforts to be conducted in FY2023. The JTAGS Block II CDD addresses evolving User-driven needs such as emerging threats and interface efforts that were not known at the time the JTAGS ORD was validated.

There is no funding in this line in FY26.

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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 7: Operational Systems Development		PE 0208053A I Joint Tactical Ground System			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.203	0.000	0.000	-	0.000
Current President's Budget	0.477	0.000	0.000	-	0.000
Total Adjustments	0.274	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.274	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0208053A / Joint Tactical Ground Syst em				Project (Number/Name) 635 / Joint Tact Grd Station-P3I			
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
635: Joint Tact Grd Station-P3I	-	0.477	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

JTAGS transitioned to US Space Force in Fiscal Year 2024 (FY2024). The Joint Tactical Ground Station (JTAGS) is a post-production, Acquisition Category (ACAT) III program. JTAGS provides missile warning message data for the Air and Missile Defense (AMD) architecture and improves performance for Integrated Air and Missile Defense Fire Control Systems/Composite Army Air and Missile Defense Brigades.

JTAGS disseminates near real time warning, alerting, and cueing information on ballistic missile launches and other tactical events of interest throughout the theater using existing communication networks, providing critical support to Combatant Commanders in their Areas of Responsibility (AOR). Four OCONUS deployed JTAGS units, which are deployed in three theaters (United States Pacific Command (PACOM), United States Central Command (CENTCOM), United States European Command (EUCOM)), constitute DoD's only in-theater system providing space-based missile warning. The fifth CONUS system is used as an institutional trainer but is available as a deployable asset. JTAGS is designated as the in-theater element of the United States Strategic Command's Theater Event System (TES), supporting all Theater Missile Defense pillars, affording the shortest sensor-to-shooter connectivity. On 14 January 2016, the Army Acquisition Executive designated the JTAGS Pre-Planned Product Improvement (JTAGS P3I) program as a separate ACAT III modification program.

The JTAGS Program Element (PE) supports development and testing of the JTAGS Block II Preplanned Product Improvements (P3I) program based on the JTAGS Operational Requirements Document (ORD), additive Joint Requirements Oversight Council - Memorandum (JROC-M) requirements, and the formal JTAGS Block II Capability Development Document (CDD) thresholds. P3I upgraded JTAGS to a Block II configuration for operation with the next generation of Space Based Infrared System (SBIRS) satellites, and improved warning tactical parameters and timeliness. The JTAGS Block II P3I program based on the 2009 JTAGS ORD is on contract as a two-phase development effort. JTAGS Block II P3I Phase 1 is complete. The final developmental efforts of JTAGS Block II P3I Phase 2 to achieve 2009 ORD requirements completed in FY2022. Follow-on Test and Evaluation (FOTE) completed in FY2022 with Materiel Release efforts to be conducted in FY2023.

The Joint Tactical Ground Station (JTAGS) transitioned to US Space Force in FY2024.

There is no funding requested in FY2026 in this PE.

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

	FY 2024	FY 2025	FY 2026
Title: Development and Test of Block II CDD requirements	0.477	-	-
Description: JTAGS Block II program continues to focus on development/integration of evolving cyber hardening advances, defense against emerging threats, and JTAGS Capability Development Document (CDD) threshold requirements. JROC-Memos			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0208053A / <i>Joint Tactical Ground System</i>	Project (Number/Name) 635 / <i>Joint Tact Grd Station-P3I</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
197-12, 113-13, and 042-19 and PL 111-383 (Ike Skelton National Defense Authorization Act for FY2011) require fielding of these capabilities as soon as possible.			
Accomplishments/Planned Programs Subtotals		0.477	-
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy <p>This program element develops critical software intensive improvements, while continuing to make maximum use of Non-Developmental Items (NDI)/Commercial Off the Shelf (COTS) components and Government Furnished Equipment (GFE). After design and integration, the system will be subject to thorough developmental and validation/verification testing to verify performance, operational effectiveness and suitability. The JTAGS Block II Pre-planned Product Improvement (P3I) program was initiated based on a 2009 JTAGS Operational Requirements Document (ORD) and upgrades JTAGS to a Block II configuration for operation with the next generation of Space Based Infrared System (SBIRS) satellites, improving warning tactical parameters and timeliness. The JTAGS Block II P3I contract was a full and open competition, but only the incumbent JTAGS contractor submitted a proposal, resulting in a sole-source contract on 26 Aug 2012. The contract's development options are Cost Plus Incentive Fee; its production options are Firm Fixed Price, and its Sustainment options are Cost Plus Fixed Fee. The JTAGS Block II contract's period of performance was 1 October 2012 through 30 September 2021 with a contract extension to April 2022. As threats continue to evolve and change as well as new satellite sensors become available, the JTAGS Users in conjunction with the Army Capabilities Manager have developed a JTAGS Block II Capability Development Document (CDD), requiring JTAGS to address new/changing threats that were not addressed in the 2009 JTAGS ORD. The acquisition of the continued JTAGS Block II efforts based on the JTAGS Block II CDD will be performed under a sole source follow-on contract awarded May 2022 to the current JTAGS contractor.</p> <p>The Joint Tactical Ground Station (JTAGS) transitions to US Space Force in FY2024, which is the last year of Army funding.</p>			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0208053A / Joint Tactical Ground System						Project (Number/Name) 635 / Joint Tact Grd Station-P3/			
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 Program Management	Allot	Various (AMC, AMCOM, CCDC, SMDC ROC) : Redstone Arsenal, AL	3.493	0.477	Oct 2023	-		-		-		-	0.000	3.970	-
Subtotal			3.493	0.477		-		-		-		-	0.000	3.970	N/A
Remarks Provides Other Government Agency (OGA) support to the JTAGS acquisition program															
			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			3.493	0.477		-		-		-		-	0.000	3.970	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0208053A / Joint Tactical Ground System								Project (Number/Name) 635 / Joint Tact Grd Station-P3I																			
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
JTAGS Block II Engineering Service Follow-On Contract																																					
JTAGS Block III Follow-On Contract																																					
Continued Block II CDD Emerging Threats and Future Senso...																																					
Block II CDD Emerging Threats and Next Generation GEO Development																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0208053A / Joint Tactical Ground System	Project (Number/Name) 635 / Joint Tact Grd Station-P3I	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JTAGS Follow-on Operational Test and Evaluation	2	2022	3	2022
JTAGS Block II CDD driven emerging threats and cyber hardening	1	2022	2	2023
JTAGS Block II Engineering Service Follow-On Contract	3	2022	4	2024
Limited User Test of Block II CDD Emerging Threat Capabilities	3	2023	3	2023
Continued Block II CDD Emerging Threats and Future Sensor Integration	4	2023	4	2024

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303028A I Security and Intelligence Activities							
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	-	16.290	-	-	-	0.000	-	-	-	-	-	-
FG2: Counterintelligence & Human Intel Modernization	-	16.290	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Funding supports the U.S. Army Intelligence and Security Command's (INSCOM) RDTE program, which provides the Army with low-density, high-demand, extremely advanced offensive cyberspace technologies designed to degrade, deny, disrupt, or destroy adversary Command, Control, Communications, Computers and Intelligence (C4I) and shape the operational warfighting environment in order to create conditions favorable to the application of other elements of national power.

INSCOM conducts RDTE of offensive Cyberspace technologies in direct support of the full range of missions called for in the National Defense Strategy, Comprehensive National Cyber-Security Initiative, National Security Strategy, National Defense Guidance, National Security Presidential Directive (NSPD)-38, NSPD-54 and Homeland Security Presidential Directive (HSPD)-23.

HQDA G-2 and the Intelligence and Security Command (INSCOM) Security Operations Center (ISOC) are charged with integrating, informing, and leveraging security and counterintelligence authorities in support of the Department of the Army Insider Threat Program mission to continuously deter, detect, and mitigate insider threats to Army information, networks, facilities, and personnel.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.301	0.000	0.000	-	0.000
Current President's Budget	16.290	0.000	0.000	-	0.000
Total Adjustments	15.989	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	16.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.011	-			

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: FG2: Counterintelligence & Human Intel Modernization

Congressional Add: Data Fusion Platform

FY 2024	FY 2025
16.000	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303028A / Security and Intelligence Activities	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add Subtotals for Project: FG2		16.000	-
Congressional Add Totals for all Projects		16.000	-
Change Summary Explanation Congressional Add - Funds will develop an all-source data fusion platform to support Human Intelligence (HUMINT) Targeting; Data Model Development; Local and Cloud instances of the Counterintelligence (CI) and HUMINT Software (CHS); and Data Fusion modernization capabilities. These capabilities leverage advanced technologies to automate data fusion, rapidly identifying leads and targets for the HUMINT, Identity Intelligence and CI missions.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303028A / Security and Intelligence Activities				Project (Number/Name) FG2 / Counterintelligence & Human Intel 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
FG2: Counterintelligence & Human Intel Modernization	-	16.290	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note All existing systems are in sustainment with no further development occurring.												
A. Mission Description and Budget Item Justification HQDA G-2 and the Intelligence and Security Command (INSCOM) Security Operations Center (ISOC) are charged with integrating, informing, and leveraging security and counterintelligence authorities in support of the Department of the Army Insider Threat Program mission to continuously deter, detect, and mitigate insider threats to Army information, networks, facilities, and personnel. Funding supports personnel security-related capabilities for identifying, reporting and responding to potential personnel security information of concern. These tools are key enablers of the Army Insider Threat Program. These tools provide statistical models to assess risk, centralized analysis, reporting and response capabilities, and reporting mechanisms for relevant insider threat data.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Insider Threat CE Support									0.279	-	-	
Description: HQDA G-2 and the Intelligence and Security Command (INSCOM) Security Operations Center (ISOC) are charged with integrating, informing, and leveraging security and counterintelligence authorities in support of the Department of the Army Insider Threat Program mission to continuously deter, detect, and mitigate insider threats to Army information, networks, facilities, and personnel.												
Title: SBIR/ STTR Transfer									0.011	-	-	
Description: Funding transferred in accordance with Title 15 USC §638.												
Accomplishments/Planned Programs Subtotals									0.290	-	-	
							FY 2024	FY 2025				
Congressional Add: Data Fusion Platform							16.000	-				
FY 2024 Accomplishments: Funds will develop an all-source data fusion platform to support Human Intelligence (HUMINT) Targeting; Data Model Development; Local and Cloud instances of the												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) <i>PE 0303028A / Security and Intelligence Activities</i>	Project (Number/Name) <i>FG2 / Counterintelligence & Human Intel Modernization</i>
	FY 2024	FY 2025
Counterintelligence (CI) and HUMINT Software (CHS); and Data Fusion modernization capabilities. These capabilities leverage advanced technologies to automate data fusion, rapidly identifying leads and targets for the HUMINT, Identity Intelligence and CI missions.		
Congressional Adds Subtotals	16.000	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303028A / Security and Intelligence Activities				Project (Number/Name) FG2 / Counterintelligence & Human Intel 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
Insider Threat CE Support	TBD	To Be Determined : To Be Determined	4.134	0.290		-		-		-		-	0.000	4.424	4.167
Data Fusion Platform	TBD	To Be Determined : To Be Determined	-	15.989		-		-		-		-	0.000	15.989	16.000
SBIR/STTR	TBD	Various : Various	-	0.011		-		-		-		-	0.000	0.011	-
Subtotal			4.134	16.290		-		-		-		-	0.000	20.424	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			4.134	16.290		-		-		-		-	0.000	20.424	N/A
Remarks															
Congressional Mark funds mistakenly aligned to the wrong line. Realign to correct line/MDEP.															
Funds will develop an all-source data fusion platform to support Human Intelligence (HUMINT) Targeting; Data Model Development; Local and Cloud instances of the Counterintelligence (CI) and HUMINT Software (CHS); and Data Fusion modernization capabilities. These capabilities leverage advanced technologies to automate data fusion, rapidly identifying leads and targets for the HUMINT, Identity Intelligence and CI missions.															

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

Date: June 2025

[illegible]

2040 / 7

R-1 Program Element (Number/Name)

PE 0303028A / Security and Intelligence Activities

Project (Number/Name)	Start Date	End Date	Duration (Days)	Progress (%)	Status	Owner	Team Lead	Key Milestones	Notes
101	2023-01-01	2023-03-15	74	85	Completed	John Doe	Jane Smith	Milestone 1: Planning	Project completed ahead of schedule.
102	2023-02-01	2023-04-30	89	60	In Progress	John Doe	Jane Smith	Milestone 2: Development	Minor delays in development phase.
103	2023-03-01	2023-05-15	75	30	On Hold	John Doe	Jane Smith	Milestone 3: Testing	Project paused due to resource allocation.
104	2023-04-01	2023-06-30	90	10	Planned	John Doe	Jane Smith	Milestone 4: Deployment	Project planning in progress.
105	2023-05-01	2023-07-15	75	5	Planned	John Doe	Jane Smith	Milestone 5: Review	Project planning in progress.

FG2 / Counterintelligence & Human Intel
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
Army Security Response Tool																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303028A / Security and Intelligence Activities	Project (Number/Name) FG2 / Counterintelligence & Human Intel Modernization

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army Security Response Tool	1	2018	4	2024

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program							
--	--	--	--	--	--	--	--	--	--	--	--	--

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	-	15.323	15.733	15.040	-	15.040	-	-	-	-	-	-
491: Information Assurance Development	-	7.035	7.595	6.917	-	6.917	-	-	-	-	-	-
DV5: Crypto Modernization (Crypto Mod)	-	8.288	8.138	8.123	-	8.123	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This project supports the Army's Command Control (C2) Infrastructure strategy. A portion of this funding line is a key enabler of the Army Modernization Priorities in support of the Communications Security (COMSEC) Key Management Infrastructure (KMI) program.

Project 491: Army Chief Information Officer/Deputy Chief of Staff, G-6 manages Information Assurance Development.

Project 491: IA Development. Supports the implementation of the National Security Agency (NSA) developed Communications Security (COMSEC) Modernization and Key Management (KM) technologies within the Army. This includes current and next generation encryption techniques, current and future Key Management Infrastructure (KMI) and technology migrations. This program provides oversight in developing policies, guidance, standard operating procedures and recommendations in integrating COMSEC and KM techniques into specific systems in support of securing the Army Tactical and Enterprise Networks. This entails architecture studies, system integration and testing, developing installation kits, and technological collaborations with NSA, DISA and other Services for enterprise and last mile implementations. The program assesses, develops and integrates Cyber Security (CS)/COMSEC tools (hardware and software) which provide protection for fixed infrastructure post, camp and station networks as well as tactical networks. The cited work is consistent with Strategic Planning Guidance (SPG) and the Army Modernization and Strategy Plan (AMSP).

IA Development funding implements and establishes functional and technical boundaries of cryptographic, key management and IA capabilities in coordination with the NSA, the DISA, and Joint Services, to secure National Security Systems (NSS), and National Security Information (NSI). Technical evaluations assess the security, operational effectiveness and network interoperability of advanced concept technologies to develop policies, standards, and fundamental building blocks for Army COMSEC capabilities that reduce the risk of future material solutions that could underperform and disrupt classified operations. Develop and publish the COMSEC Implementation Planning Guidance to identify, standardize, and govern the insertion of CS capabilities to bridge operational gaps and support the DoD and NSA mandated requirements to enhance network capacity while providing for secure information exchange of voice, video, and data in accordance with the Army Network Campaign Plan. This will be accomplished by interoperability evaluation, standards testing, and CS, System of System Network Vulnerability Assessments (SoS NVA) for Army Capability Sets for CS/COMSEC capabilities that provide protections for tactical and fixed infrastructure post, camp, and station networks.

The program enables the continuation of oversight for the executions of the Army's COMSEC Modernization initiatives including major Advanced Cryptographic Capabilities (ACC) updates and replacements of existing devices and systems to meet NSA mandates. Continue to support the evaluation and testing of new

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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 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>
<p>technologies to support DoD Cryptographic Moderation 2 (CM2) Army implementations including Transmission Security (TRANSEC), EKMS to KMI migration and tactical network/architecture future Capability Set developments. Provide proof of concepts to provide updated end-to-end, tactical-to-strategic COMSEC standardization and implementation guidance to meet Army's operational requirements. Continuous funding will enable the evaluations and maturity assessment of new COMSEC and key management capabilities developed by DoD joint KMI program for Army fielding to protect and strengthen the Army Network posture, with reduced cryptographic interoperability issues for both embedded and standalone systems. This funding also supports the risk reduction testing to document operational value of commercial products prior to insertion for Army use. Provide timely test and evaluate results to enable the Army to make sound investment strategic decisions and to reduce or eliminate duplications. Also supports efforts to update and develop policies to posture Army's operations to implement innovative cryptographic and key management tools and services.</p> <p>The Defensive Cyberspace Operations (DCO) program provides initial capabilities that enable passive and active cyberspace defense operations to preserve friendly cyberspace capabilities and protect data, networks, net-centric capabilities, and other designated systems. Big Data Pilot provides an advanced analytics capability capable of ingesting structured, semi-structured, and unstructured data from multiple data sources (e.g., Joint Regional Security Stacks (JRSS), intrusion detection systems, intrusion prevention systems, network device log files, trouble tickets, firewalls, proxies, web and applications server log files, etc) and proves situational awareness of cyberspace battlefield. It provides the computer network defense provider with common analytic platform which informs and reduces risk associated with future material solutions and forms a blueprint for future Big Data Analytics. Big Data (analysis-of-all DoD Information Network sensor data) provides two optimized and accredited clusters deployed in support of JRSS and Defense Research and Engineering Network (DREN) with a tools suite accessible to Cyber Mission Forces via secure remote access. The Army's DCO activities are a construct of active cyberspace defenses which provide synchronized, real-time capability to discover, detect, analyze, and mitigate threats to and vulnerability of DoD networks and systems.</p> <p>COMSEC is governed by the Chairman of the Joint Chiefs of Staff Instruction (CJCSA) 6510. In order to ensure Warfighters continue to have secured voice and data communications. Per National Security Agency (NSA) requirements, Army communications systems are required to support modern cryptographic capabilities by implementing continually enhanced communications security technologies. These efforts are consistent with Strategic Planning Guidance (SPG) and are key enablers of the Army Modernization in support of Army 2030/2040.</p> <p>Project DV5 Cryptographic Modernization (Crypto Mod): This project supports the Army's Command Control (C2) Infrastructure strategy. Crypto Mod performs test, evaluation, development, and configuration management for cryptographic devices that receive NSA communications security key and allow for secure communication through Army devices such as In Line Network Encryptors Family (INE), Link/Trunk Encryptors Family (LEF), and Secure Voice Family (SV). This program utilizes NSA developed Communications Security (COMSEC) technologies encryption, memory -safe software and physical separation, integrating these mechanisms into specified systems in support of securing all echelons of the Army Network. This effort supports network operations from end-to-end throughout the force structure thus mitigating networked vulnerabilities to Army information security systems. In order to ensure Warfighters continue to have secured voice and data communications, Army communications systems are required to be upgraded to security technologies including modern algorithms to meet emerging threat developed by our adversaries. Crypto Modernization necessitates the utilization of the latest NSA cryptographic capabilities in order to defeat adversarial efforts to decrypt, disrupt, or exploit US Army networks. COMSEC is the Army's implementation of NSA protections to create a unified network that is protected, resilient, and survivable against cyber security threats.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program			
The FY 2026 request was reduced by \$0.691 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	15.323	15.733	15.755	-	15.755
Current President's Budget	15.323	15.733	15.040	-	15.040
Total Adjustments	0.000	0.000	-0.715	-	-0.715
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.715	-	-0.715

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program				Project (Number/Name) 491 / Information Assurance 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
491: Information Assurance Development	-	7.035	7.595	6.917	-	6.917	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 491: Information Assurance (IA) Development. Supports the implementation of National Security Agency (NSA) developed Communications Security (COMSEC) technologies within the Army enterprise and tactical networks by ensuring COMSEC devices/systems are cryptographically interoperable and standard based. This entails architecture studies, technology assessments, secured devices testing, system integration and installation kits development to provide protections for fixed infrastructure post, camps, and station networks as well as tactical networks. The cited work is consistent with Army's Mission Command Implementation Plan LOE 1, Network Enable Functions.

IA Development funding Implements, establishes functional and technical boundaries of cryptographic, key management and IA capabilities In Coordination With (ICW) the NSA, the Defense Information Systems Agency (DISA), and Joint Services, to secure National Security Systems (NSS), and National Security Information (NSI). Technical evaluations assess the security, operational effectiveness and network interoperability of advanced concepts/technologies to develop policies, standards, and fundamental building blocks for Army COMSEC capabilities that reduce the risk of future materiel solutions that could underperform and disrupt classified operations.

Develop and publish COMSEC and key management implementation planning guidance to identify, standardize, and govern the insertion of IA capabilities that will bridge operational gaps and support the DoD and NSA mandated requirements to enhance network capacity while providing secure information exchange of voice, video, and data IAW the Army Network Campaign Plan. This will be accomplished by interoperability test and evaluation, standards development, technology roadmap development and System of System Network Vulnerability Assessments (SoS NVA) to provide protections for the Army Integrated Tactical Networks.

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

	FY 2024	FY 2025	FY 2026
Title: Oversight and implementation guidance of emerging Cryptographic and CS capabilities to ensure interoperability to maintain compliance with DoD, NSA, and Army policies and regulations. (CIO/G-6)	7.035	7.595	6.917
Description: The program provides oversight and guidance for technical research and evaluation of Cryptographic Modernization (CM) and Key Management (KM) capabilities to ensure IA compliance and interoperability. This effort improves operational effectiveness, ensures efficient implementation, and enhances network performance by deploying standardized COMSEC capabilities that are interoperable and supportable in Army, coalition and Joint operating environments. This program enables the Army to collaborate and participate in Joint and Army capability and technology evaluations efforts to define, improve, develop and publish Cyber Security (CS) standards for new/modernized technology insertion to support the Army future networks and key management enterprise. This effort assesses and defines risk mitigation of CS network vulnerabilities in end-to-end Army network operations and Common Operating Environment. (CIO and G-6)			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>	Project (Number/Name) 491 / <i>Information Assurance Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>FY 2025 Plans: Continue to provide oversight for the executions of the Army's Communications Security (COMSEC) Modernization initiatives including major Advanced Cryptographic Capabilities (ACC) and Cryptographic Modernization 2 (CM2) updates and replacements of existing devices and systems. Continue to evaluate and test emerging technologies for Army implementation in support of, Transmission Security (TRANSEC) Initial Capabilities Document (ICD), Electronic Key Management System (EKMS) Tier 1 to Key Management Infrastructure (KMI) migration, Army last mile advanced key distribution concept development and Multi-Domain Operations (MDO) security architecture implementation. Continue to phasing out legacy non-scalable COMSEC that will not meet the new security standards in order to meet Army's operational requirements IAW Army Unified Network Plan (AUNP) and DoD/NSA mandates. Continue to assess new key management technologies developed by NSA's KMI program to determine the maturity for Army fielding to protect and strengthen the Army Unified Network posture to enable global end-to-end connectivity. Continue direct coordination with the DoD CIO, Joint Staff, NSA, DISA and other Services to resolve cryptographic interoperability issues for both embedded and standalone cryptographic devices/systems and perform risk reduction testing of commercial cryptographic products prior to insertion into Army for use to increase operational availability with documented operational value and rapid integration. Provide timely test and evaluation results to enable the Army to make sound strategic investment decisions and to reduce or eliminate duplications. Participate in operational assessment of NSA, DoD, Joint Staff and Service-led Joint Capability Technology Demonstrations to align new technologies to documented Army and DoD capability gaps and requirements for protecting National Security Systems and National Security Information. Continue to update and develop policies to posture Army's operations to implement innovative cryptographic and key management tools and services. All efforts are critical to implement a framework to modernize Army's security path to ensure technological dominance against our adversaries are tested and evaluated in order to become an MDO capable Force by 2028</p>			
<p>FY 2026 Plans: Continue to provide oversight for the executions of the Army's Communications Security (COMSEC) Modernization initiatives including major Advanced Cryptographic Capabilities (ACC) and Cryptographic Modernization 2 (CM2) updates and replacements of existing devices and systems. Continue to evaluate and test emerging technologies for Army implementation in support of, Transmission Security (TRANSEC) Initial Capabilities Document (ICD), Electronic Key Management System (EKMS) Tier 1 to Key Management Infrastructure (KMI) migration, Army last mile advanced key distribution concept development and Multi-Domain Operations (MDO) security architecture implementation. Continue phasing out legacy non-scalable COMSEC that will not meet the new security standards in order to meet Army's operational requirements IAW Army Unified Network Plan (AUNP) and DoD/NSA mandates. Continue to assess new key management technologies developed by NSA's KMI program to determine the maturity for Army fielding to protect and strengthen the Army Unified Network posture to enable global end-to-end connectivity. Continue direct coordination with the DoD CIO, Joint Staff, NSA, DISA and other Services to resolve cryptographic interoperability issues for both embedded and standalone cryptographic devices/systems and perform risk reduction testing of commercial cryptographic products prior to insertion into Army for use to increase operational availability with documented operational value</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>	Project (Number/Name) 491 / <i>Information Assurance Development</i>

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

	FY 2024	FY 2025	FY 2026
and rapid integration. Provide timely test and evaluation results to enable the Army to make sound strategic investment decisions and to reduce or eliminate duplications. Participate in operational assessment of NSA, DoD, Joint Staff and Service-led Joint Capability Technology Demonstrations to align new technologies to documented Army and DoD capability gaps and requirements for protecting National Security Systems and National Security Information. Continue to update and develop policies to posture Army's operations to implement innovative cryptographic and key management tools and services. All efforts are critical to implement a framework to modernize Army's security path to ensure technological dominance against our adversaries are tested and evaluated in order to become an MDO capable Force by 2028			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease is due to budget adjustment; Reduced advisory and assistance services contracts.			
Accomplishments/Planned Programs Subtotals	7.035	7.595	6.917

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
• DV5: <i>Crypto Modernization (Crypto Mod)</i>	8.288	8.138	8.123	-	8.123	-	-	-	-	-	-
• B96002: <i>CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)</i>	87.423	66.420	55.147	-	55.147	-	-	-	-	-	-
• BS9716: <i>NON PEO-SPARES</i>	3.667	3.887	3.803	-	3.803	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The objective of the Cryptographic Systems program is to provide adaptive, flexible, and programmable cryptographic solutions using best practices, lessons learned and programmatic management to meet the challenge of modernizing the Army's aging cryptographic systems. Associated documents include CDD, approved by CIO/G6, 15 Jul 2010; ICD, approved by JROC, 25 Mar 2011; AAO; approved by G3, 15 Dec 2011 and revised and approved, 19 Jun 2015.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program						Project (Number/Name) 491 / Information Assurance 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
Engineering Support (CIO/G-6)	C/FP	CACI : APG, MD	31.340	3.856	Oct 2023	4.075	Oct 2023	3.869		-		3.869	0.000	43.140	-
System Engineering (CIO/G-6)	SS/LH	AFC C5ISR : APG, MD	16.604	2.575	Oct 2023	2.752	Oct 2023	2.527		-		2.527	0.000	24.458	-
Engineering Support (CIO/G-6)	C/CPFF	booz Allen Hamiton : APG, MD	13.595	0.604	Oct 2023	0.768	Oct 2023	0.521		-		0.521	0.000	15.488	-
Subtotal			61.539	7.035		7.595		6.917		-		6.917	0.000	83.086	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			61.539	7.035		7.595		6.917		-		6.917	0.000	83.086	N/A
Remarks															

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

Date: June 2025

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2040 / 7

[illegible]

PE 0303140A / Information Systems Security Program

Project (Number/Name)	Start Date	End Date	Duration (Days)	Project Manager	Status	Notes
101	2023-01-01	2023-01-15	15	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	14	John Doe	On Hold	Project is on hold due to resource availability.
104	2023-02-16	2023-03-01	15	Jane Smith	Planned	Project is planned for the future.
105	2023-03-02	2023-03-15	14	John Doe	Completed	Project completed successfully.
106	2023-03-16	2023-04-01	16	Jane Smith	In Progress	Project is currently in progress.
107	2023-04-02	2023-04-15	14	John Doe	On Hold	Project is on hold due to resource availability.
108	2023-04-16	2023-05-01	16	Jane Smith	Planned	Project is planned for the future.
109	2023-05-02	2023-05-15	14	John Doe	Completed	Project completed successfully.
110	2023-05-16	2023-06-01	16	Jane Smith	In Progress	Project is currently in progress.

491 / Information Assurance Development

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>	Project (Number/Name) 491 / <i>Information Assurance Development</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
TEST & EVALUATION OF CRYPTOGRAPHIC SYSTEMS (PL Net E)	1	2014	4	2014
STUDY OF CURRENT AND EMERGING CRYPTO ALGORITHMS AND TECHNOLOGIES (PL Net E)	1	2015	2	2015
TEST OF INE AND WIRELESS SOLUTION (PL Net E)	1	2016	4	2018
BIG DATA PILOT (PD ES-CYBER)	1	2016	4	2016
TECHNOLOGY TEST & EVALUATION (CIO/G6)	1	2017	4	2027
DEFINE SECURITY & INTEROPERABILITY STANDARDS (CIO/G6)	1	2017	4	2027
COMSEC STRATEGY & CRYPTO TECHNOLOGY ROADMAP (CIO/G6)	1	2014	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program				Project (Number/Name) DV5 / Crypto Modernization (Crypto Mod)			
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
DV5: Crypto Modernization (Crypto Mod)	-	8.288	8.138	8.123	-	8.123	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding enables the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems. This Program Element (PE) is a critical enabler of the Army Modernization Priorities including Cryptographic Modernization 2 (CM2) addressing current and emerging cyber security threats. Project DV5, Cryptographic Modernization (Crypto Mod) is a key enabler of the Army Modernization Priorities in support of Army 2030/2040. Communications Security (COMSEC) is governed by the Chairman of the Joint Chiefs of Staff Instruction (CJCSA) 6510.

Crypto Mod performs test, evaluation, development, and configuration management for cryptographic devices that receive key through fill devices and allow for secure communication through Army devices such as In Line Network Encryptors (INE), Link/Trunk Encryptors (LEF), and Secure Voice (SV) families of systems. In order to ensure Warfighters continue to have secured voice and data communications, Army communications systems are required to be upgraded to the latest security technologies and modern algorithms to meet emerging adversarial threats. Crypto Modernization necessitates the utilization of the latest National Security Agency (NSA) cryptographic capabilities in order to defeat adversarial efforts to decrypt, disrupt, or exploit US Army networks. Communications Security (COMSEC) is the Army's implementation of NSA protections to create a unified network that is protected, resilient, and survivable against these threats.

To accomplish this multi-faceted effort, consistent with Strategic Planning Guidance and the Army Modernization and Strategy Plan, Crypto Mod performs evaluation of emerging threats, development of advance protections to defeat these threats, testing of commercial and government off the shelf applications developed to provide protections against identified threats, and assessment of new software and hardware updates to these end user devices and software to ensure they remain hardened against cyber-attack. This ensures that all endpoints from workstations in the strategic Enterprise to Tactical vehicles and equipment utilized by dismounted personnel forward deployed are protected when processing the critical mission and voice data that provides the strategic overmatch required to accomplish the Army's mission.

FY 2026 funds in the amount of \$8.124 million will support the testing of all existing and emerging encryptors for Functionality, Security, and Interoperability. The program will continue testing and evaluation of COMSEC devices to confirm capability and interoperability on Army networks and tactical systems as well as identifying risk areas for compliance with COMSEC regulations and procedures.

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

	FY 2024	FY 2025	FY 2026
Title: VINSON/ANDVT (Advanced Narrowband Digital Voice Terminal) Cryptographic Modernization (VACM) program	0.332	0.335	-
Description: This program researches, assesses, tests, plans and works to integrate VACM products for the Army. The VACM program is a NSA mandated program established to replace legacy external cryptographic devices such as the KY-57, KY-99A, KY-58, KY-99, KY-100 and CV- 3591 / KYV-5. In order to ensure the confidentiality, integrity and availability of classified			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>	Project (Number/Name) DV5 / <i>Crypto Modernization (Crypto Mod)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
communications, the cryptographic modules must be tested for interoperability and form fit to ensure a successful fielding. Each software release will require testing to insure comparability and interoperability.			
FY 2025 Plans: The program continues to test and evaluate new software updates to VACM devices to confirm continued capability and interoperability on Army networks and different tactical platforms as well as identifying new risk areas for compliance with COMSEC regulations and procedures.			
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to change in categorization of the VACM requirement from a stand-alone effort to the test and evaluation among all other efforts within the COMSEC portfolio. FY2026 and future costs are categorized under Cryptographic Systems Test and Evaluation.			
Title: Cryptographic Systems Test and Evaluation Description: This program supports the Army Cryptographic Modernization. This is accomplished by providing test and evaluation capabilities to the COMSEC community in order to assess emerging technologies before being released and approved for Army use; testing will be performed on hardware, software and network systems.		5.530	5.371
FY 2025 Plans: Continue to conduct testing and evaluation of COMSEC devices to confirm capability and interoperability on Army networks and tactical systems as well as identifying risk areas for compliance with COMSEC regulations and procedures, with particular emphasis on the Advanced Cryptographic Capabilities (ACC) program lead by the NSA. The program will test and evaluate Crypto Systems compliant devices, Suite B Internet Protocol Security (IPSec) devices built on commercial standards, Cryptographic High Value Product (CHVP), and new software releases to High Assurance Internet Protocol Encryptor (HAIZE) 4.X devices in accordance with AR 700-142 Revision dated 8 June 2018. The program tests interoperability and provides ways to insert data at rest (DAR) and data in transit (DIT) technology within the existing and future network infrastructure to defend against adversary attack and exploitation.			5.568
FY 2026 Plans: Continue to conduct testing and evaluation of COMSEC devices to confirm capability and interoperability on Army networks and tactical systems as well as identifying risk areas for compliance with COMSEC regulations and procedures, with particular emphasis Continue to conduct testing and evaluation of COMSEC devices to confirm capability and interoperability on Army networks and tactical systems as well as identifying risk areas for compliance with COMSEC regulations and procedures, with particular emphasis on the Binding Operational Directive (BOD) from NSA and NSA CM2 plan. The program will test and evaluate Crypto Systems compliant devices, VINSON/ANDVT (Advanced Narrowband Digital Voice Terminal) Cryptographic Modernization			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / <i>Information Systems Security Program</i>	Project (Number/Name) DV5 / <i>Crypto Modernization (Crypto Mod)</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
(VACM), Suite B IPSec devices built on commercial standards, Cryptographic High Value Product (CHVP), and new software releases to HAIPE 4.X devices in accordance with AR 770-2, "Materiel Fielding" dated 16 Jul 2021.				
FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to the increase requirements for HAIPE Bod, addition of VACM test and evaluation requirements, and additional hardware and software tests in emerging technologies.				
Title: High Assurance Internet Protocol Encryption (HAIPE) extension manager Description: A management tool to configure the new extensions to the HAIPE standard and process the resulting data to provide early indications of cyber-attacks. FY 2025 Plans: Continue software development efforts that will provide configuration and management of the HAIPE extensions and the user interface for collecting and analyzing the data that results from implementation of these HAIPE extensions. New devices will be implemented. FY 2026 Plans: Continue software development efforts that will provide configuration and management of the HAIPE extensions and the user interface for collecting and analyzing the data that results from implementation of these HAIPE extensions. New devices will be implemented. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to additional NSA requirements of software development efforts and user interface of the HAIPE extensions.		1.714	1.718	1.822
Title: Program Management Office Support Description: Program management includes overall management of program execution, major events, reporting, funds execution, contract management, and logistical support. Includes participation in program planning and Integrated Product Team meetings. FY 2025 Plans: FY 2025 funds will provide overall management and oversight to implement Crypto Mod test, evaluation, development and configuration management for cryptographic devices to include Matrix and Contractor support. FY 2026 Plans:		0.712	0.714	0.733

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program				Project (Number/Name) DV5 / Crypto Modernization (Crypto Mod)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2026 funds will provide overall management and oversight to implement Crypto Mod test, evaluation, development and configuration management for cryptographic devices - to include Matrix and Contractor support.												
FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to continuous effort to provide overall management and oversight support.												
Accomplishments/Planned Programs Subtotals										8.288	8.138	8.123
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	
• B96002: CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)	87.423	66.420	55.147	-	55.147	-	-	-	-	-	-	
• BS9716: NON PEO-SPARES	3.667	3.887	3.803	-	3.803	-	-	-	-	-	-	
Remarks												
Line Item & Title: B96002 - Cryptographic Systems - OPA2 BS9716 - NON PEO-SPARES - OPA4												
D. Acquisition Strategy												
The Cryptographic Systems procures off of NSA IDIQ contracts. Army RDT&E is used on existing and emerging encryptors which are tested and evaluated for Functionality, Security, Interoperability, and backward compatibility on software and hardware for both Tactical and Enterprise systems to ensure they remain hardened against cyberattack.												
Capability Development Document (CDD) for Cryptographic Equipment and Services Modernization Inc 1 (March 2010), Initial Capabilities Document (ICD) for Cryptographic Modernization (Jul 2021), CJCSI6510 Cryptographic Modernization Planning (April 2014), Advanced Cryptographic Capability (ACC) Operational Capabilities Statement (OCS) for Increment 1 (May 2015), AAO for COMSEC Crypto Mod Devices (June 2015), Advanced Cryptographic Capability (ACC) Increment 1 Acquisition Strategy v.7.3 (October 2015), Army Communications Security (COMSEC) Modernization Implementation Planning Guidance (IPG) Ver 6.0 (March 2025).												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program				Project (Number/Name) DV5 / Crypto Modernization (Crypto Mod)					
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 Office Support	Various	PEO C3T & CECOM : Various; APG, MD	2.006	0.712	Dec 2023	0.714	Dec 2024	0.733	Dec 2025	-		0.733	Continuing	Continuing	Continuing
Subtotal			2.006	0.712		0.714		0.733		-		0.733	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
System Engineering	SS/LH	CCDC C5ISR : APG, MD	9.767	1.086	Nov 2023	1.091	Nov 2024	0.917	Nov 2025	-		0.917	Continuing	Continuing	Continuing
Engineering Support	C/CPFF	CACI : Aberdeen Maryland	10.059	0.960	Feb 2024	0.962	Feb 2025	0.905	Feb 2026	-		0.905	Continuing	Continuing	Continuing
Subtotal			19.826	2.046		2.053		1.822		-		1.822	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	SS/LH	CCDC C5ISR : APG, MD	5.346	1.789	Nov 2023	1.797	Nov 2024	1.838	Nov 2025	-		1.838	Continuing	Continuing	Continuing
Test & Evaluation	C/CPFF	CACI : APG, MD	14.488	3.741	Feb 2024	3.574	Feb 2025	3.730	Feb 2026	-		3.730	Continuing	Continuing	Continuing
Subtotal			19.834	5.530		5.371		5.568		-		5.568	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			41.666	8.288		8.138		8.123		-		8.123	Continuing	Continuing	N/A
Remarks															

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

Date: June 2025

[illegible]

2040 / 7

R-1 Program Element (Number/Name)	Program Element Description	Program Element Type	Program Element Status	Program Element Location	Program Element Contact	Program Element Date	Program Element Comments

PE 0303140A / Information Systems Security Program

Project (Number/Name)	Start Date	End Date	Duration (Days)	Progress (%)	Status	Owner	Team Lead	Key Milestones	Notes
101/Alpha	2023-01-15	2023-03-10	55	85	Completed	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
102/Beta	2023-02-01	2023-04-15	74	60	In Progress	Alice Johnson	Bob White	Phase 1 Complete, Phase 2 In Progress	On track for completion
103/Gamma	2023-03-01	2023-05-20	79	40	In Progress	Charlie Brown	Diana Prince	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
104/Delta	2023-04-01	2023-06-10	70	20	In Progress	Eve Green	Frank Black	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
105/Epsilon	2023-05-01	2023-07-15	75	10	In Progress	Grace Lee	Henry King	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
106/Zeta	2023-06-01	2023-08-10	70	5	In Progress	Ivy Clark	Jack Wilson	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
107/Eta	2023-07-01	2023-09-15	75	0	Not Started	Kyle Miller	Laura Davis	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
108/Theta	2023-08-01	2023-10-10	70	0	Not Started	Nora Baker	Oliver Scott	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
109/Iota	2023-09-01	2023-11-15	75	0	Not Started	Peter Hall	Quinn Young	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
110/Kappa	2023-10-01	2023-12-10	70	0	Not Started	Rachel Adams	Samuel King	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2

DV5 / Crypto Modernization (Crypto Mod)

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303140A / Information Systems Security Program	Project (Number/Name) DV5 / Crypto Modernization (Crypto Mod)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
VINSON/ANDVT Cryptographic Modernization (VACM) INTEROPERABILITY	1	2016	4	2025
TEST AND EVALUATION OF SECURE VOICE SW & HW	4	2013	4	2035
TEST AND EVALUATION OF INE SW & HW	1	2017	4	2035
HAIPE EXTENSION MANAGER	1	2017	4	2035

Note
VACM Interoperability effort is categorized under "Test and Evaluation of Secure Voice SW & HW" starting in FY2026.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System							
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	-	12.605	2.566	-	-	0.000	-	-	-	-	-	-
083: Global Combat Support Sys - Army	-	12.605	2.566	-	-	-	-	-	-	-	-	-
A. Mission Description and Budget Item Justification												
GCSS-Army gives combat forces a decisive edge by providing soldiers a seamless flow of timely, accurate, accessible, and secure logistics information to get combat power at the right place, at the right time. The GCSS-Army program is an information and communications technology investment that provides key enabling support to the transformation of the Army into a network-centric, knowledge-based future force. The GCSS-Army approved Capability Development Document (CDD) and Capability Production Document (CPD) require an enterprise approach to replace current logistics and maintenance Standard Army Management Information Systems (STAMIS) to include supply, maintenance, ammunition, aviation, and property book. GCSS-Army implements best business practices to streamline supply, accountability, maintenance, distribution, and reporting procedures in support of the future force transition path of The Army Campaign Plan.												
The funds in the GCSS-Army Research Development Test & Evaluation (RDT&E) line are for building the software solution for disconnected supply, ground maintenance and accountability, and Store and Forward Capability.												
In FY 2024 after transition to capability support, RDT&E funding for Continuous Enhancements was used to execute system change requests (SCRs) to enhance sustainment activities, accountability, auditability, and calculations of total cost of ownership. Implementation of SCRs enhance capability support and effectiveness by synchronizing system data and utilizing enterprise interface tools to eliminate input errors.												
FY 2025 Base dollars in the amount of \$2.566 million continues to support GCSS-Army Audit related fixes and Cyber updates. Other FY 2025 enhancements include: follow-on Identity, Credential, and Access Management (ICAM) to include privilege user access management and zero trust. The FY 2025 RDT&E funds also support the completion of the software solution for disconnected supply, ground maintenance and accountability, and Store and Forward Capability.												
GCSS-Army does not have an RDTE funding request in FY 2026.												
GCSS-Army Enterprise Aviation is integrating the Aircraft Notebook (ACN) data into GCSS-Army via an interface with the Enterprise Aviation Middleware components.												

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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 7: Operational Systems Development		PE 0303141A I Global Combat Support System			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	13.082	2.566	2.601	-	2.601
Current President's Budget	12.605	2.566	0.000	-	0.000
Total Adjustments	-0.477	0.000	-2.601	-	-2.601
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.477	-			
• Adjustments to Budget Years	-	-	-2.601	-	-2.601
Change Summary Explanation					
FY 2026 decrease due to CSUSTAIN INITIAL TOA TRANSFER-5					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 083 / Global Combat Support Sys - Army			
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
083: Global Combat Support Sys - Army	-	12.605	2.566	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

GCSS-Army provides critical Army sustainment support to the soldier with a seamless flow of timely, accurate, accessible, and secure information management that gives combat forces a decisive edge and is essential for combat readiness. The GCSS-Army approved Capability Development Document (CDD) and Capability Production Document (CPD) require an enterprise approach to replace current logistics and maintenance Standard Army Management Information Systems (STAMIS) to include supply, maintenance, ammunition and property book. GCSS-Army implements best business practices to streamline supply, accountability, maintenance, distribution, and reporting procedures in support of the future force transition path of The Army Campaign Plan. GCSS-Army is financially compliant and is a key component for the Army Enterprise Strategy to be financially auditable.

The FY 2024 funds in the GCSS-Army Research Development Test & Evaluation (RDT&E) line were used for building the software solution for disconnected supply, maintenance and accountability, and Store and Forward capability. The Army requires a disconnected operations architecture for GCSS-Army to support ground mission. Currently the Army has battlefield gaps without network connectivity: inability to maintain or regenerate combat power, order/process spare parts, track battle losses, or conduct maintenance. The disconnected operations architecture will alleviate these problems when there are disruptions in communications or cyber-attacks. The FY 2024 funding also supported critical change requests in each fiscal year, coming from the warfighter and prioritized by the Combat Developer, for the baseline system. Implementation of SCRs enhance capability support and effectiveness by synchronizing system data and utilizing enterprise interface tools to eliminate input errors. Also in FY 2024, RDT&E funds supported Advanced Manufacturing (AdvM) Data Repository (DR).

FY 2025 Base dollars in the amount of \$2.566 million continues to support GCSS-Army Audit related fixes and Cyber updates. Other enhancements include: follow-on ICAM to include privilege user access management and zero trust. The FY 2025 RDT&E funds also completes the software solution for disconnected supply, ground maintenance and accountability, and Store and Forward Capability.

GCSS-Army does not have an RDTE funding request in FY 2026 Base.

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

	FY 2024	FY 2025	FY 2026
Title: Product Development	6.332	0.853	-
Description: The funds in the GCSS-Army RDT&E line are for building the software solution for disconnected supply, ground maintenance and accountability, and Store and Forward capability. The Army requires a disconnected operations architecture for GCSS-Army to support ground mission.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>	Project (Number/Name) 083 / <i>Global Combat Support Sys - Army</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<i>FY 2025 Plans:</i> The FY 2025 funding completes the development of the software solution for disconnected supply, ground maintenance and accountability.			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 decrease in product development in the amount of \$0.853 million due to the completion of development of the software solution for disconnected supply, ground maintenance and accountability.			
<i>Title:</i> Advanced Manufacturing Data Repository <i>Description:</i> Advanced Manufacturing (AdvM) Data Repository (DR) is an Army priority. AdvM DR will fully integrate AdvM capabilities and enable the Digital Thread (DT) within the Army ERPs. It will integrate the AdvM DR with the Army Futures Command (AFC) Enterprise Product Management (ePDM) system providing a fully automated capability for the transfer of AdvM product configuration data to the AdvM DR. Capability will reduce manual efforts to transfer configuration data to the AdvM DR ensuring accuracy and maintaining configuration control of AdvM print data.	3.610	-	-
<i>Title:</i> Continuous Enhancements <i>Description:</i> The funds in the GCSS-Army RDT&E line are for continuous enhancements. In capability support phase, the RDT&E funding will be used to execute system change requests to enhance sustainment activities, accountability, auditability, and calculations of total cost of ownership.	2.663	1.713	-
<i>FY 2025 Plans:</i> The funds will continue to support GCSS-Army Audit related fixes and Cyber updates. Other enhancements include: follow-on ICAM to include privilege user access management and zero trust.			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 decreased by \$1.713 million due to not having a RDTE funding request after FY 2025.			
Accomplishments/Planned Programs Subtotals	12.605	2.566	-

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
• W11011: GCSS-Army Increment 2	1.987	3.624	-	-	-	-	-	-	-	-	-
• OMA - GCSS-ARMY APE	67.599	50.705	58.379	-	58.379	-	-	-	-	-	-
432612000: GCSS-ARMY OMA											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System	Project (Number/Name) 083 / Global Combat Support Sys - Army	

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
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Remarks

D. Acquisition Strategy

GCSS-Army will design and develop the software solution for disconnected ground operations . The program will design and build user screens for disconnected supply, ground maintenance, and accountability. The Army will use a disconnected operations architecture for GCSS-Army to support the ground missions. In FY 2021, the program office awarded the initial contract supporting disconnected prototyping. In FY 2023 and FY 2024, the program will complete the OTA and prepare for production decision.

FY 2025 includes continuous enhancements to support GCSS-Army Audit related fixes and Cyber updates as well as follow-on ICAM to include privilege user access management and zero trust. The FY 2025 RDT&E funds are also used to complete the software solution for disconnected supply, ground maintenance and accountability, and Store and Forward Capability.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System						Project (Number/Name) 083 / Global Combat Support Sys - Army			
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
Enterprise Resource Planning (ERP) design and development	C/Various	Accenture Federal LLC : Arlington, VA 22203	467.058	2.663	Dec 2023	1.713	Dec 2024	-		-		-	0.000	471.434	457.056
Disconnected Operations Solution	SS/TBD	Ernst & Young : Arlington VA	35.271	6.332	Jan 2024	0.853	Jan 2025	-		-		-	0.000	42.456	-
Advanced Manufacturing Data Repository	C/CPFF	Accenture : Springfield VA	-	3.610	Dec 2023	-		-		-		-	0.000	3.610	-
Subtotal			502.329	12.605		2.566		-		-		-	0.000	517.500	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			502.329	12.605		2.566		-		-		-	0.000	517.500	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System								Project (Number/Name) 083 / Global Combat Support Sys - Army										
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
Continuous Enhancements (Design and Development)																												
Disconnected Operations Solution (Test and Development)																												
Disconnected Operations Solution (Deployment and Stabili...																												
Advanced Manufacturing Data Repository																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System	Project (Number/Name) 083 / Global Combat Support Sys - Army	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Continuous Enhancements (Design and Development)	1	2018	4	2025
Disconnected Operations Solution (Test and Development)	1	2021	3	2025
Disconnected Operations Solution (Deployment and Stabilization)	3	2025	4	2025
Advanced Manufacturing Data Repository	1	2024	4	2024

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)							
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	-	25.858	26.643	35.720	-	35.720	-	-	-	-	-	-
253: Dscs-Dcs (Phase II)	-	11.467	4.794	4.787	-	4.787	-	-	-	-	-	-
456: MILSATCOM System Engineering	-	1.711	1.769	2.409	-	2.409	-	-	-	-	-	-
CO7: Protected Tactical Satellite Communications	-	12.680	20.080	28.524	-	28.524	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Project 253, Dscs-Dcs (Phase II), SATCOM Ground Environment (SPACE) - This funding supports Joint and Next Generation Command and Control (NGC2) initiatives to modernize Command and Control (C2) systems. SATCOM Ground Environment (SPACE) supports the Army's 2030 / 2040 Strategic Plan and network modernization strategy.

FY 2026 Base funding in the amount of \$4.787 million develops Satellite Communication (SATCOM) ground subsystem equipment and software in support of Joint Chiefs of Staff (JCS) validated Mission Command Network and Systems requirements for the worldwide Defense Enterprise Wideband SATCOM System (DEWSS). DEWSS is composed of the Super High Frequency (SHF) Wideband Global SATCOM (WGS) programs, which supports legacy, interim and emerging communication space architectures and future force requirements. Expansion of the WGS constellation and upgrades to WGS capabilities are vital to support the Army's emerging power projection and rapid deployment mission. WGS provides high-capacity tactical end-to-end connectivity and interoperability with strategic networks and national decision-makers, satisfying JCS network operations in support of the President, JCS, combatant commanders, military departments, Department of State and other government departments and agencies. This requirement supports the Army 2030 / 2040 Strategic Plan.

Project 456, MILSATCOM System Engineering is directly aligned to the Army Network Modernization Strategy.

FY 2026 Base funding in the amount of \$2.409 million - MILSATCOM System Engineering assures the tactical Army satellite communications (SATCOM) and SATCOM On-the-Move (SOTM) systems are engineered to legally and efficiently operate worldwide. MILSATCOM System Engineering shapes Joint SATCOM systems' design efforts, standards development and planning processes. MILSATCOM System Engineering represents the Army's tactical interests within Department of Defense (DoD), Commercial, and International forums to ensure affordable and scalable future SATCOM capabilities are available for maneuver forces. These efforts are synchronized with the Space Force and DoD's plans for Protected Tactical Waveforms (PTW) on Wideband Global SATCOM (WGS), the Protected Tactical Satellite (PTS), and commercial SATCOM systems. These efforts also ensure that the Army continues to evaluate evolving technologies for the planning and designing of SATCOM solutions that reduce technical and programmatic impacts. MILSATCOM System Engineering expertise supports obtaining SATCOM modem and terminal certifications for Tactical Network systems to operate on the network, provides SATCOM spectrum management and lab support, and supports testing and integration of Assured Position Navigation and Timing (APNT) capabilities.

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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 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303142A I SATCOM Ground Environment (SPACE)	
<p>MILSATCOM System Engineering also provides the technical and programmatic expertise to facilitate the Unified Network Capabilities and Integration (UNCI) integration mission of transport convergence and integration of emerging technologies within the Tactical Network portfolio. MILSATCOM System Engineering provides the programmatic and technical expertise to coordinate the UNCI mission to align and integrate elements of the Tactical Network portfolio in support of units such as the Expeditionary Signal Battalion (ESB), Multi Domain Task Force (MDTF), and Security Force Assistance Brigade (SFAB). MILSATCOM System Engineering expertise supports the evaluation and integration of commercial SATCOM (COMSATCOM) capabilities with MILSATCOM and Tactical Network systems in support of pathway diversity and other modernization efforts. MILSATCOM System Engineering supports the development of the Network Centric Waveform (NCW) Technology to support SATCOM planning and management. MILSATCOM System Engineering expertise with lab testing and analysis supports future efforts to support One Network Service Support Center and the ability to evaluate Low Probability of Intercept (LPI), Low Probability of Detection (LPD), Anti-Jam (AJ), Transmission Security (TRANSEC), and resiliency capabilities of current and emerging technologies.</p> <p>Project CO7, Protected Satellite Communications funding supports the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, Transport Layer.</p> <p>Protected Anti-Jam Tactical SATCOM (Protected SATCOM) provides the ability for the Army tactical terminals to be resilient in a contested environment and protect against catastrophic loss of situational awareness and command and control during critical battle movement with Anti-Jam capabilities. The Resilient Anti-Jam Modem (RAM) (previously referred to as Block II Small Form Factor (SFF)) will provide on the move and early entry satellite terminals with adaptive, anti-jam communications for the highest levels of protected communications in multi domain operations. Air Force/Army Anti-Jam Modem (A3M) (formerly referred to as Block I) offers tactical Army protection against interference that is either intentional or unintentional. A3M is a Joint Effort between the Army and US Space Force (USSF). RAM is an Army only requirement as USSF does not have a requirement for RAM.</p> <p>Protected SATCOM supports initial development, testing and certification of production representative Protected Tactical Waveform (PTW) modems, incorporating Army requirements, to support continued spiral development of critical protected communications capabilities to address resiliency in jamming environments. The Protected/ Resilient SATCOM - Capabilities Development Document (CDD) was validated and approved 1 March 2024. Protected SATCOM supports modernization requirements to mitigate emerging threats.</p> <p>FY 2026 funding in the amount of \$28.524 million will support development of Army RAM, contractor and government system engineering and program management (SEPM), test and certification, logistics support and data development and other associated activities as required.</p> <p>The FY 2026 request was reduced by \$0.348 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>		

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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 7: Operational Systems Development		PE 0303142A / SATCOM Ground Environment (SPACE)			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	26.838	26.643	36.166	-	36.166
Current President's Budget	25.858	26.643	35.720	-	35.720
Total Adjustments	-0.980	0.000	-0.446	-	-0.446
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-			
• SBIR/STTR Transfer	-0.979	-			
• Adjustments to Budget Years	-	-	-0.446	-	-0.446
Change Summary Explanation					
FY26 funding increased from the previous PB due to RAM development focus objectives to complete Critical Design Review and to fund logistics support package and documentation.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) 253 / Dscs-Dcs (Phase II)			
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
253: Dscs-Dcs (Phase II)	-	11.467	4.794	4.787	-	4.787	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Project 253, Dscs-Dcs (Phase II), This funding supports Joint and Next Generation Command and Control (NGC2) initiatives to modernize Command and Control (C2) systems. SATCOM Ground Environment (SPACE) supports the Army's 2030 / 2040 Strategic Plan and network modernization strategy.												
FY 2026 Base dollars in the amount of \$4.787 million develops Satellite Communication (SATCOM) ground subsystem equipment and software in support of Joint Chiefs of Staff (JCS) validated Mission Command Network and Systems requirements for the worldwide Defense Enterprise Wideband SATCOM System (DEWSS). DEWSS is composed of the Super High Frequency (SHF) Wideband Global SATCOM (WGS) programs, which supports legacy, interim and emerging communication space architectures and future force requirements. Expansion of the WGS constellation and WGS capabilities are vital to support the Army's emerging power projection and rapid deployment mission. WGS provides high capacity tactical end-to-end connectivity and interoperability with strategic networks and national decision-makers, satisfying JCS network operations in support of the President, JCS, combatant commanders, military departments, Department of State and other government departments and agencies.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: SATCOM Terminal Digital Intermediate Frequency Implementation Analysis									-	4.794	4.787	
Description: SATCOM Terminal Digital Intermediate Frequency (IF) implementation analysis and experimentations aimed at improving bandwidth efficiency of gateway terminals while providing an additional layer of resiliency through terminal redundancy. These analyses and experimentations include various evaluations for digital terminal components to replace current, less efficient, analog components. These analyses also include assessment of terrestrial connectivity among SATCOM terminals to enable Continuity of Operations (COOP) and failover scenarios required for resiliency.												
FY 2025 Plans: Continue to integrate digital IF solutions, including COTS LAN Switches and Routers, High Speed Fiber Optics, and additional Wideband Signal Processors (WSP) solutions into the Prototyping, Integration, Test, and Training facility at Tobyhanna Army Depot (TYAD). Perform technical assessments and Wideband Global SATCOM (WGS) certification and Risk Management Framework (RMF) accreditation tests.												
FY 2026 Plans: Complete integration of digital IF solutions, including COTS LAN Switches and Routers, High Speed Fiber Optics, and additional Wideband Signal Processors (WSP) for transition into production in FY 2029.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)				Project (Number/Name) 253 / Dscs-Dcs (Phase II)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Funding reflects planned lifecycle of the effort.												
Title: Enterprise Digital IF Multi-carrier (EDIM) Modem										11.467	-	-
Description: Completed integration of commercial technologies onto a single modem platform to replace the existing end of life legacy modem currently fielded at all DoD Gateways. New technologies include multi-carrier capability to meet forecasted MILSATCOM capacity demands in support of JADC2, Digital IF to enable resiliency and path diversity and Interference Cancellation to improve reliability of SATCOM communication links. Additionally, complete development of testing units in order to begin First Article Test and Wideband Global SATCOM (WGS) system certification.												
Accomplishments/Planned Programs Subtotals										11.467	4.794	4.787
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	
• BB8500: Defense Enterprise Wideband Satcom Systems	101.181	87.058	65.591	-	65.591	-	-	-	-	-	-	
Remarks N/A												
D. Acquisition Strategy												
<p>This finances technical maturation, systems engineering, modem risk mitigation. Funding provides for SATCOM terminal upgrades, enhancement of baseband throughput capabilities, technology insertion and upgrades which improve SATCOM teleport resiliency while allowing for full utilization of Wideband Global SATCOM (WGS) capabilities. Enterprise Wideband SATCOM Terminal System (EWSTS) Capability Production Documents (CPDs) contain Netcentric-Ready Key Performance Parameters (NR-KPPs) as required by CJCSI 6212.01C. Studies, risk mitigation, system integration and advanced demonstrations of dynamic, policy-based access and control will accommodate technology insertion, data sharing, and remote operations to improve operational resiliency, thus ensuring the life of the Defense Enterprise Wideband Satellite System (DEWSS) terminal family beyond 2035.</p> <p>Contracting approach for new technology is through the use of Broad Agency Announcements (BAA) and Other Transaction Authority (OTA) contracts. SATCOM Terminal Digital Intermediate Frequency (IF) demonstrations with multi-vendor equipment will be conducted using live satellite links between Tobyhanna Army Depot (TYAD) and Joint SATCOM Engineering Center (JSEC) at Aberdeen Proving Grounds. All components demonstrated will be at Technology Readiness Level (TRL) 6. Electromagnetic Interference Algorithms at TRL 6 will be hosted on a stand-alone hardware platform and tested at JSEC using live satellite links.</p>												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) 253 / Dscs-Dcs (Phase II)					
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
SATCOM Terminal Digital IF Implementation Analysis	MIPR	Aberdeen Proving Ground : MD	5.742	-		4.794	Jan 2025	4.787	Jan 2026	-		4.787	Continuing	Continuing	Continuing
Enterprise Digital IF Multi- carrier (EDIM) Modem System Engineering Analysis	MIPR	ACC - Rock Island : IL	0.439	11.467	May 2024	-		-		-		-	0.000	11.906	-
Subtotal			6.181	11.467		4.794		4.787		-		4.787	Continuing	Continuing	N/A
Remarks 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			6.181	11.467		4.794		4.787		-		4.787	Continuing	Continuing	N/A
Remarks N/A															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)								Project (Number/Name) 253 / Dscs-Dcs (Phase II)														
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				
SATCOM Terminal Digital Intermediate Frequency (IF) Impl...																																
Enterprise Digital IF Multi-carrier (EDIM) Modem System ...																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)	Project (Number/Name) 253 / Dscs-Dcs (Phase II)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
SATCOM Terminal Digital Intermediate Frequency (IF) Implementation Analysis	1	2021	4	2028
Enterprise Digital IF Multi-carrier (EDIM) Modem System Engineering Analysis	1	2023	4	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) 456 / MILSATCOM System Engineering			
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
456: MILSATCOM System Engineering	-	1.711	1.769	2.409	-	2.409	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Project 456, MILSATCOM System Engineering supports the Army's Command Control (C2) Transport strategy.												
FY 2026 Base funding in the amount of \$2.415 million - MILSATCOM System Engineering assures the tactical Army Satellite Communications (SATCOM) and SATCOM At-The Quick Halt / On-the-Move (ATQH/OTM) systems are engineered to legally and efficiently operate worldwide. MILSATCOM System Engineering shapes Joint SATCOM systems design efforts, standards development, and planning processes. MILSATCOM System Engineering represents the Army's tactical interests within Department of Defense (DoD), Commercial, and International forums to ensure affordable, resilient and scalable future SATCOM capabilities are available for maneuver forces. These efforts are synchronized with the U.S. Space Force and DoD's plans for Protected Tactical Waveform (PTW) on Wideband Global SATCOM (WGS), Protected Tactical Waveform over Commercial (PTWoC), the Protected Tactical Satellite (PTS), and commercial SATCOM systems. MILSATCOM System Engineering evaluates opportunities to insert high-throughput, multi-orbit / multi-band SATCOM capabilities into current and future architectures such as the Next Generation Command and Control (NGC2) architecture. These efforts also ensure that the Army continues to evaluate evolving technologies for the planning and designing of SATCOM solutions that reduce technical and programmatic impacts and reduce the complexity for the users. MILSATCOM System Engineering expertise supports obtaining SATCOM modem and terminal certifications for Tactical Network systems to operate on the network, provides SATCOM spectrum management and optimization, supports lab testing, liaison support senior Army leadership and integration of Assured Position Navigation and Timing (APNT) capabilities.												
MILSATCOM System Engineering also provides the technical and programmatic expertise to facilitate the Unified Network Capabilities and Integration (UNCI) integration mission of transport convergence and integration of emerging technologies within the Tactical Network portfolio. MILSATCOM System Engineering provides the programmatic and technical expertise to coordinate the UNCI mission to align and integrate elements of the Tactical Network portfolio in support of command and control units. MILSATCOM System Engineering expertise supports Protected and Anti-Jam waveform evaluations, Modem/Terminal Certifications and collaborative SATCOM efforts are aligned with current Tactical Network and across the Army and other Services as well as emerging Next Generation Command and Control (NGC2) design and goals and the evaluation and integration of commercial SATCOM (COMSATCOM) capabilities with MILSATCOM and Tactical Network systems in support of pathway diversity, High Throughput / Low Latency SATCOM architecture integration, and other modernization efforts. MILSATCOM System Engineering provides support to SATCOM planning, management, Resilient, Multi orbit/Multi Band Capability Analysis and Architecture Integration. MILSATCOM System Engineering expertise with lab testing and analysis supports future efforts to support One Network Production Test Facility and the ability to evaluate Low Probability of Intercept (LPI), Low Probability of Detection (LPD), Anti-Jam (AJ), Transmission Security (TRANSEC), and resiliency capabilities of current and emerging technologies.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Protected communications system engineering and WGS communications									0.236	0.253	0.337	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)	Project (Number/Name) 456 / MILSATCOM System Engineering		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Provides systems engineering support for technology maturation, development and planning associated with joint SATCOM development efforts, and supports testing and integration of Assured Position Navigation and Timing (APNT) capabilities.</p> <p>FY 2025 Plans: Continue to support systems engineering and analysis for Protected Communications and WGS Communications, as well as development and technology maturation of NCW-T.</p> <p>FY 2026 Plans: Continue to support systems engineering and analysis for Protected Communications and WGS Communications.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increased level of effort in support of protected communications systems engineering and WGS communications.</p>				
<p>Title: Systems architecture and analysis support</p> <p>Description: Provides systems engineering support relating to the architecture and analysis of integrating High Throughput / Low Latency / Multi-Orbit / Multi-Band SATCOM capabilities to enable resilient and protected SATCOM. These efforts, such as research, analysis, technical engineering and integration services for bandwidth studies and future technology insertions, impact Army use of military and commercial satellite constellations and integration of enabling technologies. Provides SATCOM spectrum management and supports Joint/DoD standards development and strategic planning.</p> <p>Provides additional programmatic support across the tactical network.</p> <p>FY 2025 Plans: Continue to support in house engineering support, contractor support, and system architecture and analysis.</p> <p>FY 2026 Plans: Continue to support in house engineering support, contractor support, and system architecture and analysis.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increased level of effort in support of systems architecture and analysis.</p>		0.494	0.510	0.699
<p>Title: Testing and certification of critical SATCOM and SATCOM On-the-Move communication and network technologies</p> <p>Description: Provides support for testing and certification of the critical commercially available SATCOM At-The Quick Halt / On-the-Move (ATQH/OTM) communication and network technologies to ensure efficient and effective usage of commercial and Military SATCOM.</p>		0.745	0.754	1.036

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)	Project (Number/Name) 456 / MILSATCOM System Engineering	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2025 Plans: Continue to support continued testing and certification of critical SATCOM and ATQH/OTM communication and network technologies.			
FY 2026 Plans: Continue to support continued testing and certification of critical SATCOM and ATQH/OTM communication and network technologies.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increased level of effort in support of critical SATCOM At-The Quick Halt / On-the-Move (ATQH/OTM) communication and network technologies			
Title: Unified Network Capabilities and Integration Program Management and Support Description: Provides programmatic and technical expertise in systems engineering test, evaluation, and integration in support of aligning and integrating elements of the Tactical Network Portfolio.		0.236	0.252
FY 2025 Plans: Continue to support systems engineering and integration efforts in support of Resilient, Multi orbit/Multi Band Capability Analysis and Architecture Integration. Support technology development and test as well as testing and certification of critical SATCOM and ATQH/OTM Technology.			
FY 2026 Plans: Continue to support systems engineering and integration efforts in support of Resilient, Multi orbit/Multi Band Capability Analysis and Architecture Integration. Support technology development and test as well as testing and certification of critical SATCOM and ATQH/OTM Technology.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increased level of effort in support of unified network capabilities and integration program management and support.			
Accomplishments/Planned Programs Subtotals		1.711	1.769
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)	Project (Number/Name) 456 / MILSATCOM System Engineering
<p>D. Acquisition Strategy</p> <p>MILSATCOM System Engineering provides advanced systems engineering, research, development, test, and evaluation (RDTE) and integration of new and emerging technologies to optimize terminal performance and communications control. Once the technologies are mature and deemed feasible, funding and management responsibility for implementation and integration of the technology will transition to Tactical Network and related Programs of Record. MSE conducts assessments and analysis of resilient and protected SATCOM capabilities against real world threats.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) 456 / MILSATCOM System Engineering					
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
Protected Communications and WGS Communications	C/FPIF	Various : APG, MD	1.988	0.236	Apr 2024	0.252	May 2025	0.337	Apr 2026	-		0.337	0.000	2.813	-
Subtotal			1.988	0.236		0.252		0.337		-		0.337	0.000	2.813	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
System Architecture and Analysis Support	MIPR	C5ISR Center : APG, MD	2.534	0.494	Dec 2023	0.508	Dec 2024	0.699	Dec 2025	-		0.699	0.000	4.235	-
Unified Network Capabilities and Integration Program Management and Support	C/T&M	Various : APG	0.240	0.236	Dec 2023	0.251	Apr 2025	0.337	Dec 2025	-		0.337	0.000	1.064	-
Subtotal			2.774	0.730		0.759		1.036		-		1.036	0.000	5.299	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 Certification	MIPR	C5ISR Center : APG, MD	1.044	0.745	Dec 2023	0.758	May 2025	1.036	Dec 2025	-		1.036	0.000	3.583	-
Subtotal			1.044	0.745		0.758		1.036		-		1.036	0.000	3.583	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			5.806	1.711		1.769		2.409		-		2.409	0.000	11.695	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)								Project (Number/Name) 456 / MILSATCOM System Engineering										
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
Protected Communications and WGS Communications																												
System Architecture and Analysis Support																												
Test and Certification																												
Unified Network Capabilities and Integration Program Man...																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)	Project (Number/Name) 456 / MILSATCOM System Engineering	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Protected Communications and WGS Communications	1	2023	4	2030
System Architecture and Analysis Support	1	2023	4	2030
Test and Certification	1	2023	4	2030
Unified Network Capabilities and Integration Program Management Support	1	2023	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) CO7 / Protected Tactical Satellite Communications			
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
CO7: Protected Tactical Satellite Communications	-	12.680	20.080	28.524	-	28.524	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project CO7, Protected Satellite Communications funding supports the Army's Next Generation Command and Control (NGC2) initiative to modernize Command and Control (C2) systems, Transport Layer.

Protected Anti-Jam Tactical SATCOM (Protected SATCOM) provides the ability for the Army tactical terminals to be resilient in a contested environment and protect against catastrophic loss of situational awareness and command and control during critical battle movement with Anti-Jam capabilities. The Resilient Anti-Jam Modem (RAM) (previously referred to as Block II Small Form Factor (SFF)) will provide on the move and early entry satellite terminals with adaptive, anti-jam communications for the highest levels of protected communications in multi domain operations. Air Force/Army Anti-Jam Modem (A3M) (formerly referred to as Block I) offers tactical Army protection against interference that is either intentional or unintentional. A3M is a Joint Effort between the Army and US Space Force (USSF). RAM is an Army only requirement as USSF does not have a requirement for RAM.

Protected SATCOM supports initial development, testing and certification of production representative Protected Tactical Waveform (PTW) modems, incorporating Army requirements, to support continued spiral development of critical protected communications capabilities to address resiliency in jamming environments. The Protected/Resilient SATCOM - Capabilities Development Document (CDD) was validated and approved 1 March 2024. Protected SATCOM supports modernization requirements to mitigate emerging threats.

FY 2026 funding in the amount of \$28.524 million will support development of Army RAM, contractor and government system engineering and program management (SEPM), test and certification, logistics support and data development and other associated activities as required.

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

	FY 2024	FY 2025	FY 2026
Title: Government System Engineering and Program Management Support (SEPM)	0.195	1.351	1.351
Description: Funding supports Government System Engineering and Program Management (SEPM) which includes programmatic personnel, and other related administrative costs. Government Program Management consists of matrix personnel labor and travel requirements. This includes all required program oversight, system engineering and technical control, and risk management.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)	Project (Number/Name) CO7 / Protected Tactical Satellite Communications		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Funding supports programmatic activities related to protected modem development. This includes Army network systems architecture and analysis. FY 2026 Plans: FY26 Government SEPM required manpower oversight to complete Critical Design Review and support overall RAM development efforts.				
Title: Contractor System Engineering and Program Management Support (SEPM) Description: Funding supports Contractor System Engineering and Program Management (SEPM) which includes programmatic personnel (program analyst, budget analyst, engineer), and other related administrative costs. FY 2025 Plans: Funding supports programmatic activities related to protected modem development. This includes Army network systems architecture and analysis. FY 2026 Plans: FY26 Contractor SEPM required manpower oversight to complete Critical Design Review and support overall RAM development efforts. FY 2025 to FY 2026 Increase/Decrease Statement: FY25 to FY26 funding decrease to executive orders and decreased manpower requirements.		0.201	1.649	1.301
Title: Resilient Anti-Jam Modem Development (RAM) Description: Funding supports development of a small form factor Resilient Anti-Jam Modem (RAM). This activity supports engineering of Army requirements for PTW modems in protected tactical communications. This will be an Army led activity. FY 2025 Plans: The Army will continue development of a small form factor Resilient Anti-Jam Modem (RAM). FY 2026 Plans: FY26 funding for RAM Development due to RAM development focus objectives to complete Critical Design Review. FY 2025 to FY 2026 Increase/Decrease Statement: FY25 to FY26 funding increases for RAM Development due to RAM development focus objectives to complete Critical Design Review.		12.284	17.080	22.946
Title: Test and Certification FY 2026 Plans:		-	-	2.260

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)			Project (Number/Name) CO7 / Protected Tactical Satellite Communications				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
FY26 funding to support RAM testing and NSA certification.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY25 to FY26 funding increase to support RAM testing and certification.											
Title: Logistics Support and Data Development							-	-	0.666		
FY 2026 Plans: FY26 funding for logistics support package and documentation as RAM prepares for Critical Design Review.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY25 to FY26 increase to fund logistics support package and documentation as RAM prepares for Critical Design Review.											
Accomplishments/Planned Programs Subtotals							12.680	20.080	28.524		
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
• B34002: Protected Anti Jam Tactical SATCOM	12.976	-	-	-	-	-	-	-	-	-	-
• B56333: PROTECTED ANTI-JAM TACTICAL SATCOM	-	10.235	10.057	-	10.057	-	-	-	-	-	-
Remarks Production to support procurement and fielding of Protected Anti-Jam Tactical SATCOM capability. This funding line procures 126 A3M modems in FY24, 60 A3M modems in FY25, and waveform licenses, porting, and hubs for integration into production modems and fielding in FY26.											
D. Acquisition Strategy The Protected Anti-Jam Tactical SATCOM (Protected SATCOM) Acquisition Strategy for Resilient Anti-Jam Modem (RAM) development will leverage successfully tested technology from the A3M (Block I) effort and is an Army only requirement. RAM is designed to provide resilient and anti-jam capability for Army SATCOM terminals and will coordinate modem development with Army tactical terminal program offices. The program will leverage an existing IDIQ contract established by USSF for the development of RAM. Protected SATCOM capability is a Joint requirement. The large form factor A3M (previously known as Block I) was a Joint development effort between the United States Space Force (USSF) and the Army.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) CO7 / Protected Tactical Satellite Communications					
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 System Enginnering and Program Management	MIPR	Various : APG	0.935	0.195	Dec 2023	1.351	Dec 2024	1.351	Dec 2025	-		1.351	0.000	3.832	-
Contractor Systems Engineering and Program Support	C/T&M	Various : APG	2.785	0.201	Dec 2023	1.649	Dec 2024	1.301	Dec 2025	-		1.301	0.000	5.936	-
Subtotal			3.720	0.396		3.000		2.652		-		2.652	0.000	9.768	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
Resilient Anti-Jam Modem Dev	C/FPIF	L3-Harris : Salt Lake City, UT	-	12.284	Sep 2024	17.080	Dec 2024	22.946	Jan 2026	-		22.946	0.000	52.310	-
Subtotal			-	12.284		17.080		22.946		-		22.946	0.000	52.310	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
Logistics Support and Data Development	C/T&M	Various : APG	-	-		-		0.666	Mar 2026	-		0.666	0.000	0.666	-
Subtotal			-	-		-		0.666		-		0.666	0.000	0.666	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 Certification	C/T&M	Various : APG	-	-		-		2.260	Mar 2026	-		2.260	0.000	2.260	-
Subtotal			-	-		-		2.260		-		2.260	0.000	2.260	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)				Project (Number/Name) CO7 / Protected Tactical Satellite Communications				
	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	3.720	12.680		20.080		28.524		-		28.524	0.000	65.004	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environment (SPACE)		Project (Number/Name) CO7 / Protected Tactical Satellite Communications

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
A3M Production																												
A3M Production																												
Resilient Anti-Jam Modem Development																												
Resilient Anti-Jam Modem Development																												
RAM Test and Certification																												
RAM Test and Certification																												
RAM Production																												
RAM Production																												
Emerging Threat Mitigation																												
Emerging Threat Mitigation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303142A / SATCOM Ground Environm ent (SPACE)	Project (Number/Name) CO7 / Protected Tactical Satellite Communications	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
A3M Production	4	2023	4	2031
Resilient Anti-Jam Modem Development	4	2024	4	2027
RAM Test and Certification	2	2026	4	2027
RAM Production	4	2027	4	2031
Emerging Threat Mitigation	4	2027	4	2033

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)							
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	-	9.456	5.701	6.653	-	6.653	-	-	-	-	-	-
EF4: Integrated Broadcast System	-	9.456	5.701	6.653	-	6.653	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Joint Program Office (JPO) for Integrated Broadcast Service (IBS) Terminals supports the Joint Services and the Special Operations Command (SOCOM). The JPO is responsible for coordinating modernization and sustainment of IBS terminals compatible with the UHF SATCOM IBS broadcasts in support of Air and Missile Defense, Long Range Precision Fires, Soldier Lethality, and Network Command, Control, Communications and Intelligence Cross Functional Teams, and Tactical Intelligence Targeting Access Node. The IBS transmits worldwide time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The Joint Tactical Terminal (JTT) is the official IBS system and ensures continued IBS interoperability to a variety of tactical producers and consumers across the Joint Services. The transmit/receive-capable JTT systems currently consist of the JTT-Senior and JTT-IBS configurations. The JPO is executing updates to the JTT terminal to incorporate Mobile User Objective System (MUOS)-Wideband Code Division Multiple Access (WCDMA) elements based on modernization requirements.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	9.456	5.701	1.672	-	1.672
Current President's Budget	9.456	5.701	6.653	-	6.653
Total Adjustments	0.000	0.000	4.981	-	4.981
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	4.981	-	4.981

Change Summary Explanation

FY 2026 increase due to Joint Tactical Terminal (JTT) support of Continuous Integration / Continuous Delivery (CI/CD) efforts.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)				Project (Number/Name) EF4 / Integrated Broadcast System			
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
EF4: Integrated Broadcast System	-	9.456	5.701	6.653	-	6.653	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Program Office (JPO) for Integrated Broadcast Service (IBS) Terminals supports the Joint Services and the Special Operations Command (SOCOM). The JPO is responsible for coordinating modernization and sustainment of IBS terminals compatible with the UHF SATCOM IBS broadcasts in support of Air and Missile Defense, Long Range Precision Fires, Soldier Lethality, and Network Command, Control, Communications and Intelligence Cross Functional Teams and Tactical Intelligence Targeting Access Node. The IBS transmits worldwide time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The Joint Tactical Terminal (JTT) is the official IBS system and ensures continued IBS interoperability to a variety of tactical producers and consumers across the Joint Services. The transmit/receive-capable JTT systems currently consist of the JTT-Senior, JTT-IBS and JTT-Next Generation configurations. The JPO is executing updates to JTT systems to incorporate Mobile User Objective System-Wideband Code Division Multiple Access (MUOS-WCDMA) based on modernization requirements. The IBS network uses Type-1 encryption, Common Interactive Broadcast (CIB), and Common Message Format (CMF).

FY 2026 RDTE Dollars in the amount of \$6.653 million will be used for the continuation of Vendor terminal software development and porting, vendor testing and evaluation, independent testing, integration, and certification by government and contracting agencies (JITC, NSA, Navy, DRS) in support of IBS modernization efforts.

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

	FY 2024	FY 2025	FY 2026
Title: Program Management	0.617	0.653	0.853
Description: Management Support			
FY 2025 Plans: Continued management of JTT-NG software modernization activities, to include verification and validation testing, engineering support, certification, and software deployment planning to ensure adherence to schedule, cost and performance.			
FY 2026 Plans: Continued management of JTT-NG software modernization activities, to include verification and validation testing, engineering support, certification, and software deployment planning to ensure adherence to schedule, cost and performance.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 increase due to additional personnel for management of requirements, development, engineering, and test activities.			
Title: Test and Certification	1.626	1.503	1.294

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)	Project (Number/Name) EF4 / Integrated Broadcast System		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Engineering and Testing Support</p> <p>FY 2025 Plans: Will continue engineering and testing support to obtain operational certification from external agencies to include JITC, Navy SSC PAC, and NSA.</p> <p>FY 2026 Plans: Will provide support for Continuous Integration / Continuous Delivery (CI/CD) engineering and testing support for program modernization efforts, and additional JITC testing and NSA certification of MUOS-WCDMA.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to meeting requirements for initial testing and certification in FY 2025.</p>				
<p>Title: Modernization Efforts</p> <p>Description: Joint Tactical Terminal (JTT) and Integrated Broadcast Services (IBS) modernization efforts.</p> <p>FY 2025 Plans: Funds are required to continue Joint Tactical Terminal (JTT) and Integrated Broadcast Services (IBS) modernization efforts to include design reviews, MUOS SW development and porting, SW prototyping, integration and testing, SW configuration management, IBS-LEO/IBS-Alt path upgrades and support to MUOS testing, MIL-STD compliance & certification.</p> <p>FY 2026 Plans: Funds are required to continue Joint Tactical Terminal (JTT) and Integrated Broadcast Services (IBS) modernization efforts to include design reviews, Continuous Integration / Continuous Delivery (CI/CD) of MUOS SW development and porting, SW prototyping, integration and testing, SW configuration management, IBS-LEO/IBS-Alt path upgrades and support to MUOS testing, MIL-STD compliance & certification.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 increase of modernization efforts, increased engineering and development tasks to support IBS modernization for program modernization efforts due to emerging requirements to include integration initiatives, MIL-STD compliance standards and starting efforts in support for Continuous Integration / Continuous Delivery (CI/CD) engineering and testing needs.</p>		7.213	3.545	4.506
Accomplishments/Planned Programs Subtotals		9.456	5.701	6.653

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)				Project (Number/Name) EF4 / Integrated Broadcast System			
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
• V29600: JTT/CIBS-M	8.543	-	-	-	-	-	-	-	-	-	-
• K26777: JOINT TACTICAL TERMINAL/CIBS	-	9.221	7.030	-	7.030	-	-	-	-	-	-
Remarks											
FY 2026 Base procurement dollars in the amount of \$7.030 million supports maintenance determination for depot facilitization, software deployment support, contractor engineering, logistics support and fielding support documentation for all terminals.											
This program is included in the OPA Budget Line Consolidation. This program consolidates the JTT/CIBS-M (V29600) program into the Multi-Domain Intelligence (BZ6100/K26777) program.											
D. Acquisition Strategy											
The Integrated Broadcast Service (IBS) was designed to consolidate legacy broadcasts into an interoperable set of broadcasts that can carry threat warning and situational data to both users and producers. The requirement for IBS is documented in the IBS Operational Requirements Document (ORD) (6 June 2018) and the JTT ORD (25 April 2018). Subsequently, the IBS and JTT ORDs were consolidated into one document, the IBS Information Systems- Capability Development Document (ISCDD) on 4 Feb 2021. The JTT program is an acquisition effort to provide common tactical terminals capable of receiving and transmitting into the IBS UHF broadcasts.											
The JTT-Next Generation (JTT-NG) Block 1 effort establishes the necessary hardware and software to meet upgraded technological standards. To support continued IBS architecture modernization efforts, JTT-NG will incorporate MUOS and IBS upgrades into the software baseline to keep pace with evolving SATCOM requirements, IBS operational needs, and obsolescence via a developmental Block effort. Emerging requirements from the IBS Executive Agent include enhancements to JTT-NG software and firmware to migrate from legacy to updated SATCOM constellations, while also enhancing the IBS-A broadcast to modify the modulation, Communication Security (COMSEC), waveform, and support for Low Earth Orbiting (LEO) SATCOM integration.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)				Project (Number/Name) EF4 / Integrated Broadcast System					
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
Project Management Support	Allot	PM IS&A : APG, MD	0.725	0.617	Nov 2023	0.653	Nov 2024	0.853	Nov 2025	-		0.853	Continuing	Continuing	-
Subtotal			0.725	0.617		0.653		0.853		-		0.853	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
IBS Modernization	SS/CPFF	DRS; Dayton, OH : DRS; Dayton, OH; DRS; Fort Walton Beach, FL	12.303	7.213	Feb 2024	3.545	Feb 2025	4.506	Feb 2026	-		4.506	Continuing	Continuing	-
Subtotal			12.303	7.213		3.545		4.506		-		4.506	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
Integration and Testing of JTT fleet Modernization	MIPR	JITC : Fort Huachuca, AZ; APG,MD, SSC PAC, GD-Scottsdale	3.896	1.626	Jan 2024	1.503	Jan 2025	1.294	Jan 2026	-		1.294	Continuing	Continuing	-
Subtotal			3.896	1.626		1.503		1.294		-		1.294	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			16.924	9.456		5.701		6.653		-		6.653	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0305179A / Integrated Broadcast Service (IBS)		Project (Number/Name) EF4 / Integrated Broadcast System	

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
Next Gen: JITC Testing and Certification			1																									
Next Gen: NSA Testing and Certification			2																									
Next Gen IBS Terminals HW and Initial SW Delivery																												
IBS Modernization Development																												
IBS Modernization Testing and Certification																												
IBS Modernization SW Delivery- Block 2																												
Continuous Integration / Continuous Delivery (CI/CD)																												
JITC Testing and Recertification – Block 2																												
NSA Testing and Recertification – Block 2																												
JITC Testing and Recertification																												
NSA Testing and Recertification																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0305179A / <i>Integrated Broadcast Service (IBS)</i>	Project (Number/Name) EF4 / <i>Integrated Broadcast System</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Next Gen: JITC Testing and Certification	3	2024	3	2024
Next Gen: NSA Testing and Certification	3	2024	3	2024
Next Gen IBS Terminals HW and Initial SW Delivery	4	2024	4	2027
IBS Modernization Development	4	2022	4	2029
IBS Modernization Testing and Certification	1	2024	4	2029
IBS Modernization SW Delivery- Block 2	4	2025	4	2026
Continuous Integration / Continuous Delivery (CI/CD)	2	2026	4	2030
JITC Testing and Recertification - Block 2	3	2026	3	2026
NSA Testing and Recertification - Block 2	4	2026	4	2026
JITC Testing and Recertification	3	2028	3	2028
NSA Testing and Recertification	4	2028	4	2028

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305219A I MQ-1 Gray Eagle UAV							
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	-	6.629	6.681	3.444	-	3.444	-	-	-	-	-	-
MQ2: MQ-1C Gray Eagle Modifications	-	6.629	6.681	3.444	-	3.444	-	-	-	-	-	-
Program MDAP/MAIS Code: 420												
A. Mission Description and Budget Item Justification												
The MQ-1C Gray Eagle provides the Army with an Extended Range, Multi-Purpose (ERMP) Uncrewed Aircraft System (UAS); capable of executing reconnaissance, security, attack, and intelligence collection missions in the Range of Military Operations (ROMO). Sensors/payloads include an Electro-Optical/Infrared/Laser Designator (EO/IR/LD), Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI), Signals Intelligence (SIGINT), and HELLFIRE missiles; providing a near all-weather mission capability. MQ-1C Gray Eagle is a dedicated, assured, multi-mission UAS, fielded to Active Components, Intelligence and Security Command and Army Special Operations Command in support of the commander's warfighting priorities within Multi-Domain Operations.												
B. Program Change Summary (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total				
Previous President's Budget				6.629	6.681	6.785	-	6.785				
Current President's Budget				6.629	6.681	3.444	-	3.444				
Total Adjustments				0.000	0.000	-3.341	-	-3.341				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-	-							
• Adjustments to Budget Years				-	-	-3.341	-	-3.341				
Change Summary Explanation												
Decrease in FY 2026 funding from the previous PB to the current PB was as a result of the Army Transformation Initiative memorandum.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025			
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0305219A / MQ-1 Gray Eagle UAV				Project (Number/Name) MQ2 / MQ-1C Gray Eagle Modifications			
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
MQ2: MQ-1C Gray Eagle Modifications	-	6.629	6.681	3.444	-	3.444	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The MQ-1C Gray Eagle provides the Army with an Extended Range, Multi-Purpose (ERMP) Uncrewed Aircraft System (UAS); capable of executing reconnaissance, security, attack, and intelligence collection missions in the Range of Military Operations (ROMO). Sensors/payloads include an Electro-Optical/Infrared/Laser Designator (EO/IR/LD), Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI), Signals Intelligence (SIGINT), and HELLFIRE missiles; providing a near all-weather mission capability. MQ-1C Gray Eagle is a dedicated, assured, multi-mission UAS, fielded to Active Components, Intelligence and Security Command and Army Special Operations Command in support of the commander's warfighting priorities within Multi-Domain Operations.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Assured Positioning, Navigation, & Timing									6.629	6.681	3.444	
FY 2025 Plans: FY2025 RDTE dollars supports continued development efforts required for integration of hardware enabling components for vision-based navigation (VBN) onto MQ-1C Gray Eagle platforms. This complementary navigation solution supports the ability of the platform to survive, persist, and operate effectively in Global Positioning System (GPS) denied/contested environments (emerging GPS threats). M-Code transition is required by public law 111-383.												
FY 2026 Plans: FY2026 RDTE dollars supports continued development efforts required for integration of hardware enabling components for vision-based navigation (VBN) onto MQ-1C Gray Eagle platforms. This complementary navigation solution supports the ability of the platform to survive, persist, and operate effectively in Global Positioning System (GPS) denied/contested environments (emerging GPS threats). M-Code transition is required by public law 111-383.												
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in FY 2026 funding from the previous PB to the current PB was as a result of the Army Transformation Initiative memorandum.												
Accomplishments/Planned Programs Subtotals									6.629	6.681	3.444	
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	
• AA6601: Gray Eagle Mods2	82.959	23.865	-	-	-	-	-	-	-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0305219A / MQ-1 Gray Eagle UAV	Project (Number/Name) MQ2 / MQ-1C Gray Eagle Modifications	

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>
• I49011: GRAY EAGLE MOD	-	-	12.351	-	12.351	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

An Extended Range, Multi-Purpose (ERMP) Operational Requirement Document (ORD) was approved by the Joint Requirement Oversight Council (JROC) 6 Apr 2005. Milestone B occurred on 20 Apr 2005, and the System Development and Demonstration contract was awarded 8 Aug 2005, as a result of a competitive solicitation which included a vendor system capabilities demonstration. A Capabilities Production Document (CPD) was approved 14 Mar 2009. MQ-1C Gray Eagle completed Follow-On Test and Evaluation (FOTE) on 12 Jun 2015.

This RDTE effort funds development/integration and test of key Assured Positioning Navigation and Timing (A-PNT) efforts for Gray Eagle. This includes hardware enabling components for Vision Based Navigation (VBN), which will provide a "non-GPS" based navigation solution on the Gray Eagle aircraft. VBN provides an alternate means of estimating aircraft position during GPS denial/outage by tracking aircraft movement using video imagery. Additionally, the RDTE effort will fund the integration of an independent timing source to maintain functionality of time dependent components on the aircraft. Outyear RDTE will fund the selection and integration of an M-Code compatible/capable 3rd Navigator to replace the current obsolete Athena 511 GPS receiver, and also fund the development of other complementary/alternate A-PNT systems. The inclusion of these capabilities on the Gray Eagle aircraft increases survivability and helps ensure operators can continue mission in GPS contested environments. M-Code transition is required by public law 111-383.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0305219A / MQ-1 Gray Eagle UAV				Project (Number/Name) MQ2 / MQ-1C Gray Eagle Modifications					
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
Assured Positioning, Navigation, & Timing	SS/CPFF	General Atomics, ASI : San Diego, CA	-	6.629	Mar 2024	6.681	Jul 2025	3.444	Mar 2026	-		3.444	0.000	16.754	Continuing
Subtotal			-	6.629		6.681		3.444		-		3.444	0.000	16.754	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			-	6.629		6.681		3.444		-		3.444	0.000	16.754	N/A
Remarks															

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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 / 7		PE 0305219A / MQ-1 Gray Eagle UAV		MQ2 / MQ-1C Gray Eagle Modifications

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
Assured Positioning, Navigation & Timing	<div>A-PNT (M-code and VBN)</div>																											
Assured Positioning, Navigation & Timing Option 2																												
Assured Positioning, Navigation & Timing Option 3																												
Assured Positioning, Navigation & Timing Option 4																												
Assured Positioning, Navigation & Timing Option 5																												
Assured Positioning, Navigation & Timing Option 6																												
Assured Positioning, Navigation & Timing Option 7																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 7		R-1 Program Element (Number/Name) PE 0305219A / MQ-1 Gray Eagle UAV		Project (Number/Name) MQ2 / MQ-1C Gray Eagle Modifications

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Assured Positioning, Navigation & Timing	2	2024	2	2027
Assured Positioning, Navigation & Timing Option 2	4	2025	4	2025
Assured Positioning, Navigation & Timing Option 3	3	2026	3	2026
Assured Positioning, Navigation & Timing Option 4	3	2027	3	2027
Assured Positioning, Navigation & Timing Option 5	3	2028	3	2028
Assured Positioning, Navigation & Timing Option 6	3	2029	3	2029
Assured Positioning, Navigation & Timing Option 7	3	2030	3	2030

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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0708045A I End Item Industrial Preparedness Activities							
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	-	118.797	87.187	67.002	-	67.002	-	-	-	-	-	-
E25: Mfg Science & Tech	-	72.797	67.187	67.002	-	67.002	-	-	-	-	-	-
EA2: MANTECH INITIATIVES (CA)	-	46.000	20.000	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) develops, demonstrates, and transitions manufacturing technologies and processes that enable improvements in producibility and affordability of emerging and enabling components and subsystems of Army ground and air platforms, Soldier systems, weapons systems, air and missile defense systems, as well as sensors and electronics. Initiatives within the PE result in cost savings and reduced risk of transitioning military-unique manufacturing processes into production. Project E25 fosters the transfer of new/improved manufacturing technologies to the industrial base, including manufacturing efforts that have potential for high payoff across the spectrum of Army systems.

Work in this PE is performed by United States (U.S.) Army laboratories and research centers, U.S. Army Program Executive Offices and Program Management Offices, and U.S. Army depots and arsenals. Project teams are comprised of both Science and Technology (S&T) Subject Matter Experts (SME) and Program of Record (PoR) technical leads to develop the efforts, execute the efforts, and develop the acquisition plans for incorporating the technology into the PoR upon successful evaluation.

The FY 2026 request was reduced by \$0.147 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	75.317	67.187	67.261	-	67.261
Current President's Budget	118.797	87.187	67.002	-	67.002
Total Adjustments	43.480	20.000	-0.259	-	-0.259
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	46.000	15.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.466	-			
• SBIR/STTR Transfer	-1.054	-			
• Adjustments to Budget Years	-	5.000	-0.259	-	-0.259

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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 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0708045A I End Item Industrial Preparedness Activities	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Project: EA2: MANTECH INITIATIVES (CA)			
Congressional Add: 3D Printing of Ballistic Ceramics?		13.000	-
Congressional Add: Advanced Manufacturing Cell for Missile Fins		4.000	-
Congressional Add: Advanced Manufacturing for Missile, Radar, and Ground Support Equipment		4.000	-
Congressional Add: Advanced Pressing Applications for Optimization of Hard Armor		10.000	-
Congressional Add: Domestic Manufacturing for Energetic Material		5.000	-
Congressional Add: Metal Forging Innovation		5.000	-
Congressional Add: Processing of Refractory Alloys		5.000	-
Congressional Add: advanced delamination resistant transparent armor		-	10.000
Congressional Add: Advanced manufacturing center of excellence		-	5.000
Congressional Add: Refractory metal alloys for hypersonics		-	5.000
Congressional Add Subtotals for Project: EA2		46.000	20.000
Congressional Add Totals for all Projects		46.000	20.000
Change Summary Explanation			
Funding decrease in FY26 from the previous PB is due to an FY25 Congressional Add.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Prepar edness Activities				Project (Number/Name) E25 / Mfg Science & Tech			
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
E25: Mfg Science & Tech	-	72.797	67.187	67.002	-	67.002	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project develops and demonstrates manufacturing technologies and processes that enable improvements in producibility and affordability of emerging and enabling components and subsystems of Army ground and air platforms, Soldier systems, weapons systems, air and missile defense systems, and sensors and electronics. Work is performed to advance the state-of-the-art, leveraging automation in manufacturing processing and fabrication techniques for coatings, multifunctional materials, and structural elements for Army-specific applications.

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

	FY 2024	FY 2025	FY 2026
Title: Networks and Command, Control, Communications and Intelligence	21.073	15.339	15.466
<p>Description: ManTech's Command, Control, Communications and Intelligence (C3I) efforts deliver integrated systems of hardware, software, and infrastructure solutions for challenging operational environments. These efforts prioritize mobility, reliability, ease of use, with a focus on reducing electromagnetic signatures for successful expeditionary deployments and operations in contested spectrums. Key focus areas include robust and resilient communications for spectrum-congested and -contested environments; assured/alternative position, navigation, and timing (A-PNT) supporting formation and fires operations in GPS-denied or -degraded environments; and advanced sensor technologies for intelligence, surveillance, reconnaissance, and targeting (ISR&T) to enable effective intelligence collection and fires operations. These efforts directly align with programs within Program Executive Office (PEO) Intelligence, Electronic Warfare & Sensors (IEW&S), and PEO Command, Control, Communications, and Network (C3N).</p> <p>FY 2025 Plans: Program plans will continue to develop and advance manufacturing processes and capabilities supporting command and control systems/subsystems and position, navigation, and timing systems. Specific plans include continued support to the Low Chip Scale Atomic Clock and initiate efforts to lower production cost and scalability. Additionally, initiate efforts to support the modernization of silicon foundry processes for the production of next generation sensor read out circuits to improve Warfighter situational awareness.</p> <p>FY 2026 Plans: Continue developing and advancing manufacturing processes and capabilities supporting command-and-control systems/subsystems and A-PNT systems. Continue supporting the LCCSAC, the improvement of silicon foundry processes to produce next-generation ROICs, the reduction in cost of anti-jammer antennas, and production improvements to wafers designed</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / <i>End Item Industrial Preparedness Activities</i>	Project (Number/Name) E25 / <i>Mfg Science & Tech</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
for advanced weapons sensor systems. Initiate efforts to eliminate the interlayer epoxy in the manufacture of compound semiconductors to dramatically improve transmission and simplify the focal plan array (FPA) fabrication process.			
FY 2025 to FY 2026 Increase/Decrease Statement: The increase in funding will be used to ramp up an effort focused on bonding of semiconductors.			
Title: Weapon Systems		28.127	22.478
Description: ManTech's Weapon Systems efforts focus on current and future comprehensive weapons system platforms, which include munitions and formations that improve range, lethality, mobility, and precision; target acquisition; and force protection capabilities within multi-domain operations. These efforts support long-range precision fires focused on strategic fires, precision-strike missile capabilities, improving the range of tactical artillery, and air and missile defense systems, which include Directed Energy systems and interceptors focused on providing maneuverability for short-range air defense and indirect fire-protection capabilities. Efforts are aligned to programs within PEO Missiles & Space (M&S) and Joint Program Executive Office (JPEO) Armaments & Ammunition (A&A).			16.285
FY 2025 Plans: Program plans will continue to develop and advance manufacturing processes for weapon systems to include long range precision fires resulting in the affordability and producibility of advanced energetics, warheads, propulsion, guidance and navigation technology. Additionally, effort will support air and missile defense capabilities focused on the affordability and producibility of directed energy systems, advanced missiles and seekers, guidance and control, advanced aero structures / propulsion, air defense radar technologies, high energy laser weapons systems, short range air defense, long range munitions, and indirect fire protection capability. Integrated plans are in place for multi-platform cannon tube production optimization meeting program executive office ground combat system's cost, capacity, and fielding goals. Initiate efforts focusing on producibility of high power radar components to support Army acquisition performance and cost goals.			
FY 2026 Plans: Continue developing and advancing manufacturing processes for weapon systems to include long range precision fires, resulting in the affordability and producibility of advanced energetics, warheads, propulsion, guidance and navigation technology. Continue supporting AMD capabilities focused on the affordability and producibility of Directed Energy systems, advanced missiles and seekers, guidance and control, advanced aero structures / propulsion, air defense radar technologies, short-range air defense, long-range munitions, and indirect fire protection capability. Integrated plans are in place for multi-platform cannon tube production optimization meeting PEO GCS's cost, capacity, and fielding goals. Automate high-power interconnects and continue improving cold-plate brazing and additive manufacturing processes for high-power radar systems.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparation Activities	Project (Number/Name) E25 / Mfg Science & Tech		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
The decrease in funding is due to completion of NGCV 50mm warhead manufacturing optimization for transition to PM Maneuver Ammunition Systems (MAS), and completion of the Manufacturing of Rifled Cannon Tubes effort for transition to PM Self-Propelled Howitzer Systems (SPHS). Funding will shift to Ground efforts focused on manufacturing improvements in support of Army platforms.				
<p>Title: Ground Systems</p> <p>Description: ManTech's Ground Systems efforts focus on enabling critical warfighting capabilities for Army land maneuverability and ground system platforms. These efforts support the Army's ability to gain positions of relative advantage, overmatch the enemy, protect Soldiers from harm, and impose a tempo of events and multiple simultaneous dilemmas on the enemy through ground mobility to overwhelm enemy effectiveness. Ground Systems also supports acceleration of innovation cycles for manufacturing technology of ground combat and tactical vehicles to integrate other close-combat capabilities in manned and unmanned teaming, leveraging semi-autonomous and autonomous platforms in conjunction with improved firepower, protection, mobility, and power-generation capabilities. This effort also supports force projection and force protection technologies for close combat. Efforts are aligned to programs within PEO GCS, PEO Combat Support & Combat Service Support (CS&CSS), and JPEO A&A.</p> <p>FY 2025 Plans: Program plans will continue efforts advancing digital thread capabilities and addressing advanced manufacturing processes for high performance / lower weight armor materials. Ramp up the development of manufacturing processes for advanced systems for ground platforms.</p> <p>FY 2026 Plans: Continue addressing advanced manufacturing processes for high-performance / lower-weight armor materials for Army platforms and ramp up efforts focused on manufacturing advanced systems for ground platforms. Initiate effort to reduce RDX production requirements for the Mine-Clearing Line Charge (MICLIC) to improve manufacturability and effectiveness while reducing cost.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The increase in funding will be used to ramp up efforts focused on manufacturing improved ground combat systems, as well as improving MICLIC manufacturability and effectiveness.</p>		6.969	9.268	18.179
<p>Title: Aviation Systems</p> <p>Description: ManTech's Aviation Systems efforts focus on supporting the manufacturing and sustainment of Army unmanned and manned aviation platforms that deliver improved maneuverability, range, speed, payload capacity, mission systems, survivability, and reliability. These efforts also support the Army's future long-range assault and vertical lift aircraft, as well as air-launched effects. Efforts are aligned to programs within PEO Aviation.</p>		13.769	10.828	5.595

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparation Activities	Project (Number/Name) E25 / Mfg Science & Tech		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Program plans will continue to develop and advance manufacturing processes and capabilities supporting aviation platforms for future attack, reconnaissance and long range assault capabilities, and air launched effects. Continue additive manufacturing efforts supporting leading edges (rotary aircraft advanced blades) production capability.				
FY 2026 Plans: Program plans will continue to develop and advance manufacturing processes and capabilities supporting aviation platforms for future attack, reconnaissance and long range assault capabilities, and air launched effects. Continue additive manufacturing efforts supporting leading edges (rotary aircraft advanced blades) production capability.				
FY 2025 to FY 2026 Increase/Decrease Statement: The decrease in funding reflects the ramping down of AM-based multi-laser stitching to PEO Aviation. Funding will shift to Ground efforts for manufacturing improved ground combat systems and Soldier efforts involving next-generation 6.8mm ammunition.				
Title: Soldier Systems		2.859	9.274	11.477
Description: ManTech's Soldier Systems efforts focus on integrated Soldier and Squad weapon platforms. These efforts provide manufacturing solutions that enhance integrated Soldier capabilities by means of their equipment, personal sustainment, performance, protection, and communication. Efforts are aligned to programs within PEO Soldier; PEO CS&CSS; JPEO Chemical, Biological, Radiological and Nuclear Defense (CBRND); and JPEO A&A.				
FY 2025 Plans: Efforts will result in greater affordability and producibility with a concentration on next generation squad weapons and ammunition, Soldier borne power, enhanced protective materials and systems, and sensor development. Efforts include continued production processes improvements for superior vision protection and advanced processes for food production.				
FY 2026 Plans: Program plans will increase the capability of individual Soldier weapons, provide Soldiers with enhanced capabilities, and increase their protection and ability to respond to emerging situations through advanced manufacturing processes. Efforts include continued production process improvements for the manufacturing of low-cost flame-resistant textiles and loading of detonators and initiators using slurry-based material. Initiate efforts for production process improvements for next-generation 6.8mm ammunition.				
FY 2025 to FY 2026 Increase/Decrease Statement: The increase in funding will be used to accelerate efforts to improve production processes for next-generation 6.8mm ammunition.				
Accomplishments/Planned Programs Subtotals		72.797	67.187	67.002

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities	Project (Number/Name) E25 / Mfg Science & Tech
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks Not applicable for this item.		
D. Acquisition Strategy Not applicable for this item.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities						Project (Number/Name) E25 / Mfg Science & Tech			
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
Mfg Science & Tech	Various	TBD : TBD	712.255	72.797		67.187		67.002		-		67.002	0.000	919.241	-
Subtotal			712.255	72.797		67.187		67.002		-		67.002	0.000	919.241	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			712.255	72.797		67.187		67.002		-		67.002	0.000	919.241	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 7										R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparation Activities										Project (Number/Name) E25 / Mfg Science & Tech																	
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
N/A																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities	Project (Number/Name) E25 / Mfg Science & Tech	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
N/A	1	2026	4	2029

Note
N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities				Project (Number/Name) EA2 / MANTECH INITIATIVES (CA)			
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
EA2: MANTECH INITIATIVES (CA)	-	46.000	20.000	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Congressional Interest Item funding provided for ManTech Initiatives.

A. Mission Description and Budget Item Justification

Congressional Interest Item funding provided for ManTech Initiatives.

This effort will develop the ability to manufacture ballistic protective inserts to defeat armor-piercing rifle projectiles in shapes optimized for coverage of torso and extremities to include female geometry; enhance industrial preparedness to manufacture and process high-tenacity ballistic insert backers; identify various operations at Letterkenny Army Depot (LEAD) and technologies that may reduce acquisition and sustainability costs as well as repair-cycle times of defense weapons systems; project continues development of an advanced manufacturing cell for missile fins and components to improve performance, quality, and throughput; demonstrate production volume of a prototype manufacturing process the critical energetic ingredients in Picatinny Arsenal Explosive (PAX) 3; develop new refractory metal alloys that are highly resistant to heat and wear and tailored casting/molding processes that incorporate optimal mold material, alloying techniques, heat treatment, and machining; and develop and mature robotics and automation systems to increase productivity of parts and increase safety of forges.

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

	FY 2024	FY 2025
Congressional Add: 3D Printing of Ballistic Ceramics?	13.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for 3D Printing of Ballistic Ceramics?		
Congressional Add: Advanced Manufacturing Cell for Missile Fins	4.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for Advanced Manufacturing Cell for Missile Fins		
Congressional Add: Advanced Manufacturing for Missile, Radar, and Ground Support Equipment	4.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for Advanced Manufacturing for Missile, Radar, and Ground Support Equipment		
Congressional Add: Advanced Pressing Applications for Optimization of Hard Armor	10.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities	Project (Number/Name) EA2 / MANTECH INITIATIVES (CA)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025
FY 2024 Accomplishments: Congressional Interest Item funding provided for Advanced Pressing Applications for Optimization of Hard Armor		
Congressional Add: Domestic Manufacturing for Energetic Material	5.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for Domestic Manufacturing for Energetic Material		
Congressional Add: Metal Forging Innovation	5.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for Metal Forging Innovation		
Congressional Add: Processing of Refractory Alloys	5.000	-
FY 2024 Accomplishments: Congressional Interest Item funding provided for Processing of Refractory Alloys		
Congressional Add: advanced delamination resistant transparent armor	-	10.000
FY 2025 Plans: Congressional Interest Item funding provided for Advanced Delamination Resistant Transparent Armor.		
Congressional Add: Advanced manufacturing center of excellence	-	5.000
FY 2025 Plans: Congressional Interest Item funding provided for Advanced Manufacturing Center of Excellence		
Congressional Add: Refractory metal alloys for hypersonics	-	5.000
FY 2025 Plans: Congressional Interest Item funding provided for Refractory Metal Alloys for Hypersonics.		
Congressional Adds Subtotals	46.000	20.000

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

Remarks

D. Acquisition Strategy
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities						Project (Number/Name) EA2 / MANTECH INITIATIVES (CA)			
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
Mfg Science & Tech	TBD	TBD : TBD	281.561	46.000		20.000		-		-		-	0.000	347.561	-
Subtotal			281.561	46.000		20.000		-		-		-	0.000	347.561	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			281.561	46.000		20.000		-		-		-	0.000	347.561	N/A
Remarks															

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PE 0708045A: *End Item Industrial Preparedness Activit...*
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R-1 Program Element (Number/Name)
PE 0708045A / *End Item Industrial Preparation Activities*

Project (Number/Name)	EA2 / MANTECH INITIATIVES (CA)
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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0708045A / End Item Industrial Preparedness Activities	Project (Number/Name) EA2 / MANTECH INITIATIVES (CA)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Mfg Science & Tech	1	2024	4	2024