Department of Defense
Fiscal Year (FY) 2026 Budget Estimates

June 2025

Army

Justification Book Volume 3b of 3

Research, Development, Test & Evaluation, Army

Budget Activity 5B

Volume 3b Table of Contents

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.

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:

Budget Activity	***OSDPE / Project***	***Project Title***
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):

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Budget Activity	***OSDPE / Project***	***Project Title***
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.

Department of Defense
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority

(Dollars in Thousands)

Jun 2025

Appropriation	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**

Department of Defense
FY 2026 President's Budget
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Total Obligational Authority

(Dollars in Thousands)

Jun 2025

	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
Summary Recap of Budget Activities							
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**
Summary Recap of FYDP Programs							
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**

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

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

Jun 2025

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

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
20	0602181A	All Domain Convergence Applied Research	02	U	13,775	12,269		12,269			
21	0602182A	C3I Applied Research	02	U	31,635	25,839		25,839	22,317		22,317
22	0602183A	Air Platform Applied Research	02	U	53,611	48,854		48,854	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		28,656	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

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

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Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
55	0603465A	Future Vertical Lift Advanced Technology	03	U	219,137	175,369		175,369	66,686		66,686
56	0603466A	Air and Missile Defense Advanced Technology	03	U	98,784	61,333		61,333	23,330		23,330
58	0603920A	Humanitarian Demining	03	U	22,737	23,272		23,272	9,349		9,349
999	999999999	Classified Programs	03	U		155,526		155,526	72,837		72,837
	Advanced Technology Development				**2,333,689**	**1,696,216**		**1,696,216**	**1,240,191**		**1,240,191**
60	0603305A	Army Missle 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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Total Obligational Authority
(Dollars in Thousands)

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

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(Dollars in Thousands)

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

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

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

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

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

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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
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**

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

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

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

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment 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	-	13.129	12.927	9.512	-	9.512	-	-	-	-	-	-
L59: *Diagnost/Expert Sys*	-	6.609	6.036	6.183	-	6.183	-	-	-	-	-	-
L65: *Test Equipment Development*	-	6.520	6.891	3.329	-	3.329	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program element (PE) supports the development and testing of automatic test equipment, precision calibration instruments, general-purpose test equipment, state of-the-art diagnostics and prognostics technologies, and software and systems to support the increasingly complex electronic components of the Army's new and upgraded weapon systems focused on joint operations in a sophisticated multi-domain area of operation. It focuses on standardization and implementation of commercial test and diagnostic technologies across multiple weapon platforms to minimize the cost of troubleshooting and maintenance of Army equipment in the field. Funding supports modernization of the test equipment fleets by investigating technology insertions including, but not limited to, predictive and prognostic maintenance automated troubleshooting, Electronic Intermittent Fault Detection, instrument reduction/miniaturization, electro-mechanical, electro-optics (EO), radio frequency (RF), physical, radiological, chemical, and biological warfare sensor calibration support capabilities, and other emerging technologies. Funding also supports development of initial prototypes to enable refinement of Operational Requirements documented by Combatant Commands (COCOM), Program Executive Offices (PEO), Army Futures Command (AFC), Army Staff, US Army Training and Doctrine Command (TRADOC), and early user feedback to support future sustainment and testing capabilities required for emerging weapons platforms. This PE also supports continued development and improvement of general-purpose test equipment and calibration standards with emphasis on the incorporation of digital electronics and tailoring of configurations to improve deployability, mobility and survivability of the support equipment. It includes development, demonstration and testing of calibration standards and techniques to support new Army test equipment requirements; and it provides for feasibility studies, market research, inventory analyses, bid sample testing and prototyping to support acquisition of calibration systems and general-purpose test and diagnostics equipment.

The Department of Defense (DoD) has designated the Integrated Family of Test Equipment (IFTE), comprised of the Maintenance Support Device (MSD) and the Next Generation Automatic Test System (NGATS), as the authorized Army standard for field and sustainment maintenance. The MSD provides at-system automatic test and diagnostic support and the NGATS consolidates off-system automatic test and diagnostic equipment requirements. The IFTE systems being developed under this PE provide electronic fault isolation, diagnostic and repair capabilities at all levels of maintenance and do it more cost effectively than system-specific testers. They provide state-of-the-art test and diagnostic capabilities, reducing costs and logistics footprints while providing the Warfighter fix-forward capability for current and future weapon systems in multi-domain operations. The systems are designed to support the Cross-Functional Teams (CFT) in the Army Futures Command (AFC) as they mature in accordance with the DoD Automatic Test Systems strategy. The MSD is employed by more than thirty military occupational specialties to perform field level maintenance on approximately 70 weapon systems, including Abrams, Bradley, Stryker, aviation platforms, missile systems, and the Army's wheeled vehicle fleet.

FY 2026 base funding continues incremental development of the Army's standard At-Platform Automatic Test System, MSD, which will enhance testing and diagnostic capability required by supported weapon systems. Funding supports tactical vehicle sustainment concepts, evaluates evolving weapon system diagnostic testing

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604746A *I Automatic Test Equipment Development*

requirements, incorporates additional organic diagnostic software capabilities to troubleshoot weapon systems, and ensures data bus compatibility and readability with commercial technology. It evaluates and incorporates cyber security enhancements, including wireless capability, into at-platform diagnostic hardware and software. Funding also provides for market research, feasibility assessment, and interaction with supported weapon systems to determine most effective methodology for diagnostic software pathway to incorporate emerging At-Platform Predictive Logistics requirements. The FY 2026 funding will develop or significantly modify test equipment to satisfy modular force and homeland security support requirements that cannot be accommodated with test equipment currently available in the commercial marketplace such as RF and EO testing capability. It will also develop and test general-purpose test equipment and calibration standards to meet Army weapon system support requirements, and initiate development of enhanced diagnostic software and interfaces to support emerging maintenance concepts for Long Range Precision Fires, Next Generation Combat Vehicle, Future Vertical Lift, and Air and Missile Defense. The funding will provide prototype test and evaluation of field level calibration and repair support for the Radiation Detection System (RDS) in response to Operational Needs Statement ONS 17-22580. The project resolves significant radiation measurement accuracy gaps throughout the Department of the Army operational areas and CONUS, and it provides for analysis of courses of action to incorporate additional intrinsic calibration instruments and general-purpose test equipment to reduce the maintenance hierarchy, increase calibration intervals, extend lifecycle reliability, and increase supportability across generational changes in weapon systems and weapon support systems technology.

The FY 2026 request was reduced by $0.017 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	13.626	12.927	4.555	-	4.555
Current President's Budget	13.129	12.927	9.512	-	9.512
Total Adjustments	-0.497	0.000	4.957	-	4.957
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.497	-			
• Adjustments to Budget Years	-	-	4.957	-	4.957

Change Summary Explanation

Funding increase in FY2026 from the previous PB to the current PB reflects expansion of the Next Generation Automatic Test System to other platforms beyond Abrams/Bradley at the field level.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment Development*	Project (Number/Name) L59 / *Diagnost/Expert 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
L59: *Diagnost/Expert Sys*	-	6.609	6.036	6.183	-	6.183	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project funds development of system enhancements for the Maintenance Support Device (MSD). The MSD is a general-purpose automatic test system (ATS) that provides test and diagnostic capabilities required to support current and future weapons and combat support systems across the Cross-Functional Teams (CFTs) in the Army Futures Command (AFC) and will facilitate retirement of aging, obsolete and non-cyber secure test equipment that imposes increasing logistics and operations and support cost burdens. The MSD is the Army's standard at-system tester and requires continuing technology insertions to support modernization and emergence of the supported weapon systems. This Project funds development efforts to insert the most current relevant technology into the next generation MSD, supports capability enhancement of at-platform test adapters, develops and standardizes capabilities to minimize or eliminate Army dependence on expensive proprietary software to support tactical vehicles, and maintains compatibility with emerging platform hardware bus technology and software interface requirements. The Department of Defense has identified the need for Intermittent Fault Detection (IFD) testers to aid in the identification of intermittent faults in difficult to troubleshoot platforms, mitigate No Evidence of Failures (NEOF) to reduce unit costs of unnecessary line replaceable unit (LRU) requisitions, and improve unit operational readiness in support of multi-domain operations, large- scale combat operations and the Indo-Pacific Command which will be funded in part by this Project. The test and diagnostic systems and procedures developed under this Project are essential for ensuring the operational readiness, accuracy and effectiveness of the Army's warfighting systems.

This Project funds the development of NGATS General Purpose Test Program Sets (TPS) to expand NGATS capabilities beyond the currently Fielded Abrams and Bradley systems while consolidating systems into a smaller logistics footprint by leveraging Modular Open Systems Approach (MOSA) and providing a more cost effective and repairable capability to the Warfighter. This effort will lead to expanding the overall NGATS platform support capability while reducing the equipment that would have traditionally been fielded. The NGATS program will also look at reducing the footprint of the NGATS core station by modernizing to the new MOSA PXI standard to replace the older and larger VXI standard. Finally, the logistics package for the New Electro Optic NGATS capability will be developed to provide the Warfighter with a more modern and capable electro-optics test capability to keep pace the development of weapons systems optics enhancements. These efforts enhance Fix Forward capabilities in Denied Areas of Operation and align to support Large Scale Combat Operations.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Maintenance Support Device (MSD) Technology Enhancements	1.179	1.176	1.200
Description: Modernizes the current MSD fleet by investigating and incorporating relevant technology into the next-generation MSD and supporting capability enhancement of the Wireless At-platform Test Set (WATS). Develops diagnostic capabilities to minimize or eliminate Army dependency on proprietary software to support tactical vehicles and maintain compatibility with emerging platform hardware bus technology and software interface requirements. Provides a data processing capability to enable Predictive Logistics on weapon systems.			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L59 / *Diagnost/Expert Sys*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
FY 2025 Plans: Conduct early assessment of Next Generation At-Platform Test System (Maintenance Support Device) requirements and continue market research. Continue to incorporate greater range of supported weapons system diagnostic code fault detection into diagnostic software to minimize dependency on proprietary software, support tactical vehicle sustainment concepts, evaluate evolving weapon system diagnostic testing concepts and ensure data bus compatibility and readability. Continue to evaluate and incorporate cyber security enhancements into diagnostic software. Continue market research, feasibility assessment, and interaction with supported weapon systems to determine most effective methodology for Diagnostic Software and a Data Source Collector prototype to incorporate emerging At Platform Predictive Logistics requirements. ***FY 2026 Plans:*** Continue assessment of Next Generation At-Platform Test System (Maintenance Support Device) requirements and conduct market research to prepare system specifications. Continue to incorporate greater range of supported weapons system diagnostic code fault detection into diagnostic software to minimize dependency on proprietary software, support tactical vehicle sustainment concepts, evaluate evolving weapon system diagnostic testing concepts and ensure data bus compatibility and readability. Incorporating and compatible testing of cyber security enhancements into diagnostic hardware and software. Continue feasibility assessment, integration and testing with supported weapon systems to determine most effective methodology for Diagnostic Software pathway. Integration and testing of Data Source Collector on Tactical Wheeled Vehicles in support of Army Predictive Logistics requirements. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase in FY 2026 from FY 2025 due to economic assumption.			
Title: Intermittent Electronic Fault Detection ***Description:*** Test and integration of commercial off the shelf (COTS) (or modified COTS) Intermittent Fault Detection (IFD) solutions and prototypes for evaluation. IFD development to adapt and work with various Army platforms.	5.430	-	-
Title: Software Performance Enhancements ***FY 2025 Plans:*** Develop General Purpose TPS for enduring Systems to allow for increased TPS functionality and performance for the User ***FY 2026 Plans:*** Develop and test General Purpose Test Program Sets (TPS) for Next Generation Automatic Test System (NGATS) supported Enduring Platforms ***FY 2025 to FY 2026 Increase/Decrease Statement:***	-	1.000	2.983

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L59 / *Diagnost/Expert Sys*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Increase due to receiving funding in FY 2026 to develop test program sets for enduring platforms. This is to support NGATS expansion outside of Armored Brigade Combat Teams.			
Title: NGATS Interconnect Hardware Performance Enhancements ***FY 2025 Plans:*** Develop and test CCA-based ruggedized General Purpose ICD replacements ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in FY 2026 from FY 2025 reflects realignment of funding from NGATS Interconnect Hardware Performance Enhancements to support NGATS expansion opportunities, such as NGATS Developmental Logistics Products.	-	1.930	-
Title: NGATS System Enhancements ***FY 2025 Plans:*** Develop and test replacement of Station Controller using Army Standard portable computer System software/OS testing. ***FY 2026 Plans:*** Develop and test a consolidated Digital subsystem and testing more capable (and smaller footprint) PXI Instrumentation to replace current VXI configuration. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in FY 2026 due to fewer quantities of developmental activities required.	-	1.930	1.000
Title: NGATS Developmental Logistics Products ***FY 2026 Plans:*** Develop logistics packages for the enhanced Electro-Optics NGATS test asset, and for Enduring Test Program Sets (TPS) ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase in FY 2026 from FY 2025 due to new logistics requirements for hardware under development.	-	-	1.000
Accomplishments/Planned Programs Subtotals	6.609	6.036	6.183

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
• MB4000: *Integrated Family Of Test Equipment (IFTE)*	36.149	48.329	38.784	-	38.784	-	-	-	-	-	-

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L59 / *Diagnost/Expert Sys*

D. Acquisition Strategy

This developmental Project consists of organic and contractual actions. When the necessary expertise and capability are available within the Department of Defense, services required for the individual development projects are ordered from the government source via support agreements; otherwise, commercial contracts are used. Equipment required for developmental projects is obtained by contract from the commercial supplier.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment Development*	Project (Number/Name) L59 / *Diagnost/Expert Sys*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development/ Verification/Validation	Various	Various, : Various	49.611	3.230	Jan 2024	1.830	Jan 2025	2.883	Jan 2026	-		2.883	0.000	57.554	-
Hardware/Support Items Development	Various	Various, : Various	79.707	2.930	Jan 2024	3.500	Jan 2025	2.250	Jan 2026	-		2.250	0.000	88.387	-
		Subtotal	129.318	6.160		5.330		5.133		-		5.133	0.000	145.941	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Support	Various	Various, : Various	52.728	0.350	Jan 2024	0.600	Jan 2025	0.700	Jan 2026	-		0.700	0.000	54.378	-
Other Direct	Various	Various, : Various	6.478	0.099	Jan 2024	0.106	Jan 2025	0.350	Jan 2026	-		0.350	0.000	7.033	-
		Subtotal	59.206	0.449		0.706		1.050		-		1.050	0.000	61.411	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	188.524	6.609		6.036		6.183		-		6.183	0.000	207.352	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment D evelopment*	**Project (Number/Name)** L59 / *Diagnost/Expert Sys*

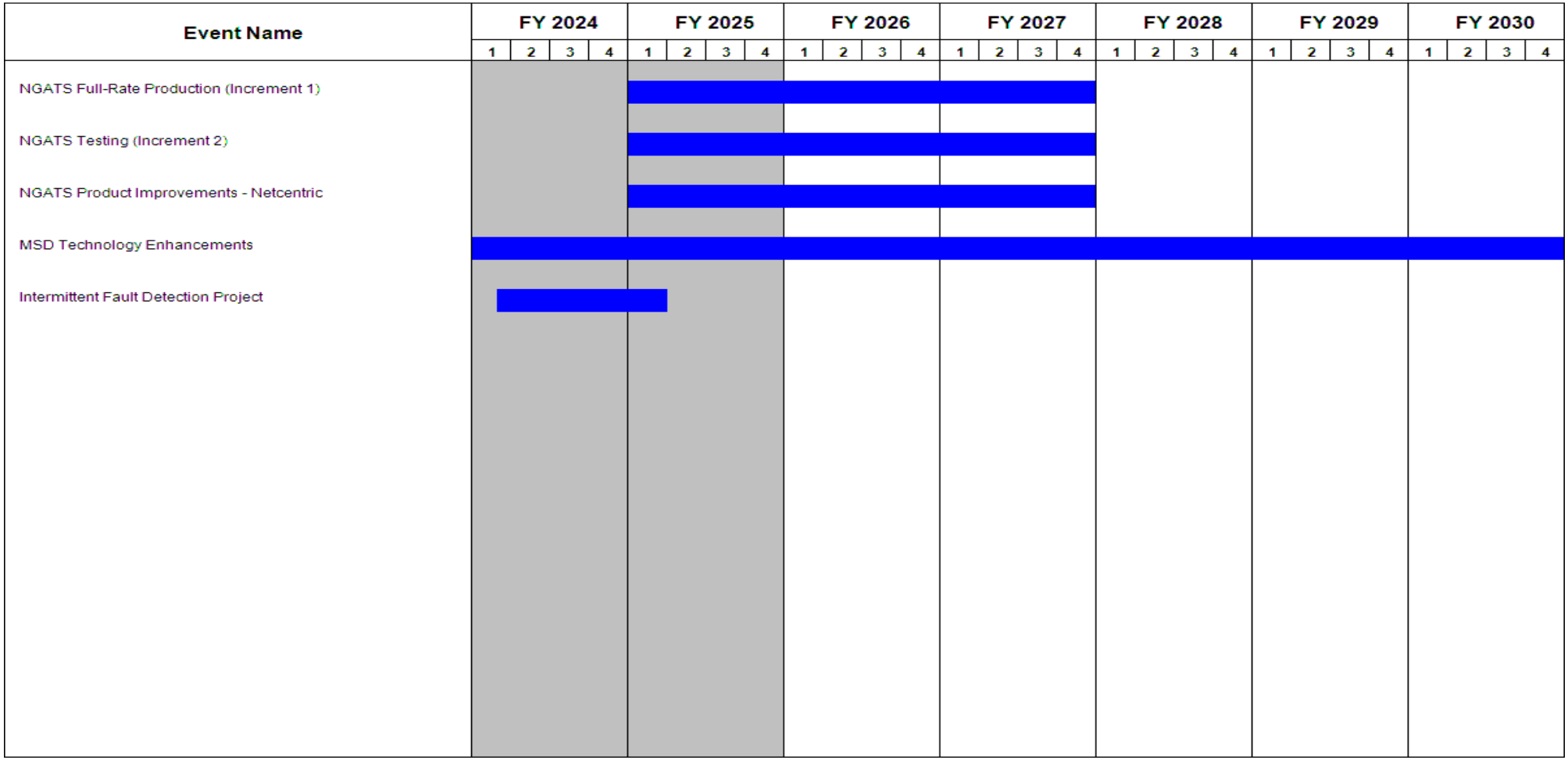

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L59 / *Diagnost/Expert Sys*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
NGATS Testing (Increment 1)	1	2011	1	2012
Production for First Article	1	2015	2	2017
Training Materiel Release	4	2019	4	2019
Full Materiel Release	1	2021	1	2021
First Unit Equipped	1	2021	1	2021
Full Rate Production Decision Review	3	2021	3	2021
NGATS Testing (Increment 1 Follow-On DT/OT)	1	2016	3	2016
NGATS Full-Rate Production (Increment 1)	1	2025	4	2027
NGATS System Development and Demonstration (SDD) (Increment 2)	1	2016	4	2020
NGATS Testing (Increment 2)	1	2025	4	2027
FOT&E Completed (DT)	3	2018	3	2018
NGATS Development (EO Subsystem)	4	2010	4	2015
NGATS Development (RF Subsystem)	1	2016	4	2021
NGATS EO Integration	3	2016	4	2021
NGATS RF Integration	3	2017	1	2022
NGATS Testing (EO & RF Subsystems)	1	2016	2	2022
NGATS Product Improvements - Netcentric	1	2025	4	2027
New Systems Test Capability	1	2016	4	2023
MSD Technology Enhancements	1	2016	4	2030
Intermittent Fault Detection Project	1	2024	1	2025

Note

Test program set (TPS) compatibility testing runs continually throughout the product development process.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment Development*	Project (Number/Name) L65 / *Test Equipment 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
L65: *Test Equipment Development*	-	6.520	6.891	3.329	-	3.329	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project directly supports the Army's modernization priorities by enhancing the reliability and responsiveness of Test, Measurement, and Diagnostic Equipment (TMDE) across the lifecycle of critical weapon systems and combat support platforms. Focused on alignment with the PEO and Army Futures Command (AFC) initiatives, this effort accelerates the integration of advanced technologies including automation and reconfigurable open architectures, leveraging emerging capabilities in artificial intelligence (AI) to improve diagnostic accuracy and efficiency into Army calibration systems. This will improve the speed and fidelity of system validation, contributing to enhanced warfighter lethality and readiness in increasingly contested environments.

Specifically, the project develops and prototypes advanced calibration software and capabilities spanning signal measurement domains (DC to microwave), electro-optical, chemical, biological, radiological, nuclear (CBRN), as well as physical and mechanical parameters such as torque, pressure, and temperature. These advancements address critical capability gaps, ensuring the operational readiness and safety of Army systems while simultaneously reducing logistical burdens through minimized equipment footprints and improved deployability. By fostering early user feedback and iterative prototype development, this project informs future TMDE acquisitions, ensuring alignment with evolving operational needs in multi-domain operations and contributing to a data-centric approach to sustainment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Calibration Sets (CALSETS) Software Environment and Calibration Procedures	2.319	0.785	1.538
Description: Develop and test the Army Automated Calibration Environment (ACE), including calibration procedures, and an enterprise data sharing system for capturing and reporting calibration data. Evaluate CALSETS software efforts against Army Risk Management Framework (RMF) requirements.			
FY 2025 Plans: Develop an Army Calibration Environment (ACE) release for fielding. Enhance the enterprise data system with test data uploading, automated data analytics reports, and major procedure editor updates to improve the user experience for automated calibration procedure authors.			
FY 2026 Plans: Develop CALSETS-C specific Joint Delivery Management Service (JDMS) for bidirectional data movement, and automated, remote software updates. Develop new ACE capabilities for integration with enterprise data sharing architecture.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L65 / *Test Equipment Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Increase in FY 2026 from FY 2025 due to realignment of funding to Calibration Sets (CALSETS) Software Environment project in order to support the development of CALSETS-C specific Joint Delivery Management Service (JDMS).			
Title: CALSETS Physical Instruments ***Description:*** Research, develop, and test physical parameter calibration instrumentation, including dimensional, force, torque, and infrared target detection systems. Modernize force and torque calibration capabilities and develop detection systems for radiological, chemical, and biological agents, as well as small arms gage and pneumatic pressure calibration. ***FY 2025 Plans:*** Develop and test a next-generation automated torque calibration system for integration into the CALSETS tactical AN/GSM-421 and AN/GSM-705 platforms. Develop an Optical Time-Domain Reflectometer (OTDR) calibration system (fiber optic power meter), a biosensor calibrator, and develop calibration standards for Radiation Detection Systems (RDS). ***FY 2026 Plans:*** Develop and Test NOAC Kibble Balance Project for modernized mass realization for Army mass calibration test equipment. Initiate integration of non-radioactive solution to replace GC88M RADIAC calibration standard. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in FY 2026 from FY 2025 due to realignment of funding to Calibration Sets (CALSETS) Software Environment project in order to support the development of CALSETS-C specific Joint Delivery Management Service (JDMS).	2.121	1.121	1.052
Title: CALSETS Electrical Instruments ***Description:*** Research, develop, and test electrical parameter calibration instrumentation to modernize and replace obsolete test equipment, focusing on intrinsic, transport, and electro-optic standards. Develop calibration support for advanced spectral and vector signal analysis in complex multi-domain environments. ***FY 2025 Plans:*** Develop and test the NIST on a Chip (NOAC) concept for Army-wide alternating current voltage measurement modernization. Develop and test a microwave power sensor calibration system supporting Army Futures Command's multi-domain secured signal send and receive capability with integrated antenna functionality. Maintain the Army's primary traceable fiber-optic calibration station for optical time-domain reflectometer test equipment. ***FY 2026 Plans:*** Develop and test the microwave power sensor calibration system, supporting Army Futures Command's multi-domain secured signal send and receive capability with integrated antenna functionality. ***FY 2025 to FY 2026 Increase/Decrease Statement:***	1.875	0.985	0.334

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L65 / *Test Equipment Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Decrease in FY 2026 from FY 2025 due to realignment of funding to Calibration Sets (CALSETS) Software Environment project in order to support the development of CALSETS-C specific Joint Delivery Management Service (JDMS).			
Title: Test Equipment Modernization (TEMOD) ***Description:*** Perform market research, bid sample testing and evaluation of commercial general-purpose electronic test equipment (GPETE), and develop performance specifications for TEMOD acquisitions. ***FY 2025 Plans:*** Develop the TEMOD Application Program Sets (APS) associated with the TS-4549 Radio Test Sets, which will allow the TS-4549 to support additional Army radios, AN/PRM-37 Radio Test Set, & AN/USM-783 Frequency Counter. ***FY 2026 Plans:*** Perform market research, bid sample testing and evaluation of commercial general-purpose electronic test equipment (GPETE), and develop performance specifications for TEMOD acquisitions. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in FY 2026 from FY 2025 due to transition of Application Program Sets (APS) development under a production contract in Other Procurement, Army.	0.205	4.000	0.405
Accomplishments/Planned Programs Subtotals	6.520	6.891	3.329

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
• G02510: *Test Equipment Modernization (TEMOD)*	32.436	46.128	51.119	-	51.119	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Projects focus on commercial and nondevelopmental item technologies. Department of Defense services provide programmatic, engineering expertise and capability for individual development projects; otherwise, commercial service contracts are used to obtain required capabilities. Equipment required for development projects is obtained from commercial suppliers. Candidate commercial equipment and nondevelopmental items are identified and evaluated through market research and government test and evaluation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment Development*	Project (Number/Name) L65 / *Test Equipment Development*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CALSETS Software Environment and Calibration	Various	Various : Various	8.677	1.279	Mar 2024	0.434	Mar 2025	0.806	Mar 2026	-		0.806	Continuing	Continuing	-
CALSETS Physical Instruments	Various	Various : Various	10.990	1.161	Feb 2024	0.635	Feb 2025	0.515	Feb 2026	-		0.515	Continuing	Continuing	-
CALSETS Electrical Instruments	Various	Various : Various	12.700	1.013	Mar 2024	0.555	Mar 2025	0.084	Mar 2026	-		0.084	Continuing	Continuing	-
Test Equipment Modernization	Various	Various : Various	4.408	0.123	Mar 2024	2.400	Mar 2025	0.243	Mar 2026	-		0.243	Continuing	Continuing	-
		Subtotal	36.775	3.576		4.024		1.648		-		1.648	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contract Engineering	C/FFP	Various : Various	4.237	0.559	Mar 2024	0.185	Mar 2025	0.583	Mar 2026	-		0.583	Continuing	Continuing	-
		Subtotal	4.237	0.559		0.185		0.583		-		0.583	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CALSETS Software Environment and Calibration	Various	Various : Various	2.636	0.853	Mar 2024	0.289	Mar 2025	0.537	Mar 2026	-		0.537	Continuing	Continuing	-
CALSETS Physical Instruments	Various	Various : Various	4.602	0.774	Feb 2024	0.423	Feb 2025	0.343	Feb 2026	-		0.343	Continuing	Continuing	-
CALSETS Electrical Instruments	Various	Various1600 : Various	3.934	0.676	Mar 2024	0.370	Mar 2025	0.056	Mar 2026	-		0.056	Continuing	Continuing	-
Test Equipment Modernization	Various	Various : Various	3.171	0.082	Mar 2024	1.600	Mar 2025	0.162	Mar 2026	-		0.162	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604746A / *Automatic Test Equipment Development*	Project (Number/Name) L65 / *Test Equipment Development*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	14.343	2.385		2.682		1.098		-		1.098	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	55.355	6.520		6.891		3.329		-		3.329	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L65 / *Test Equipment Development*

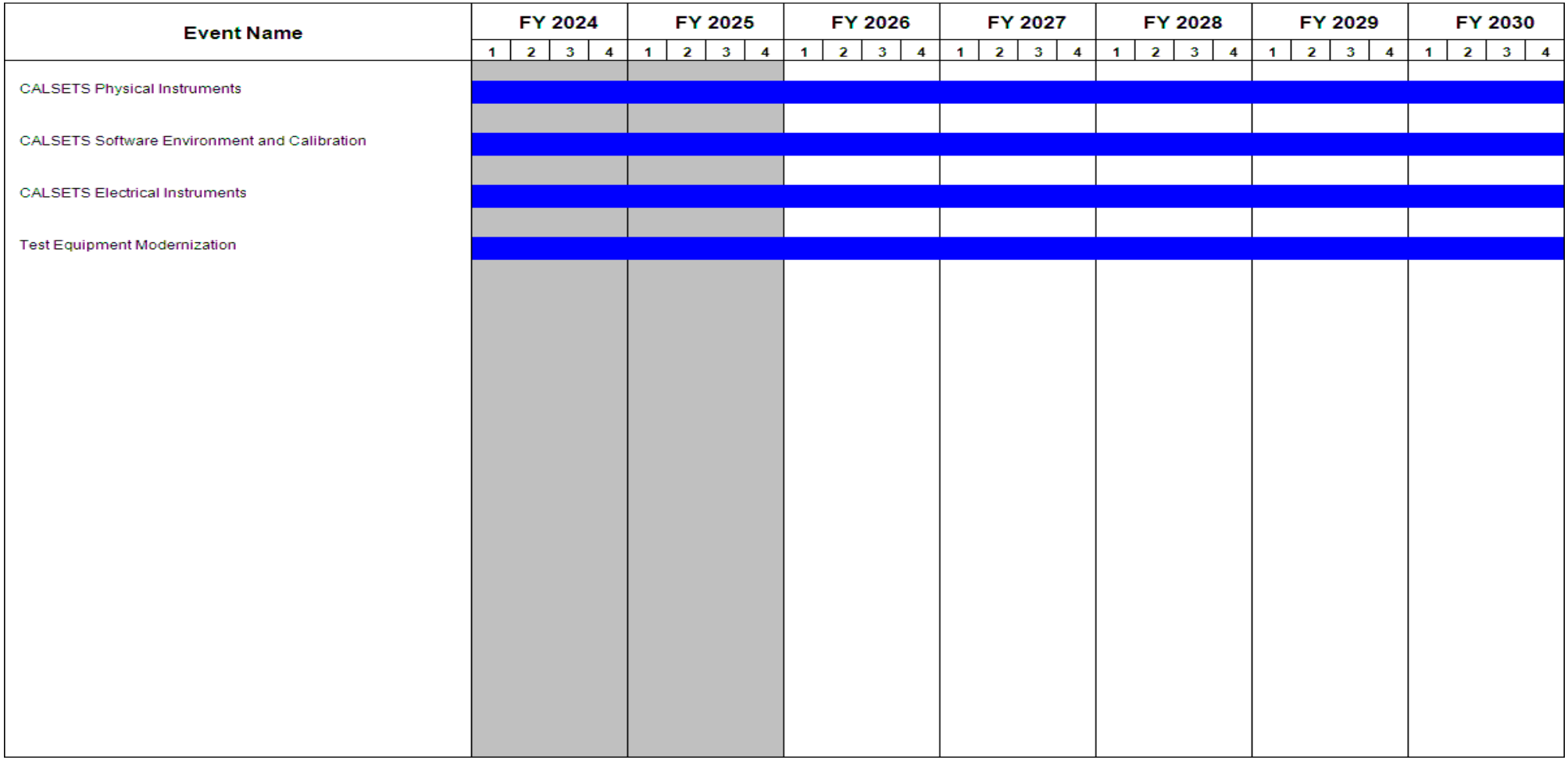

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604746A / *Automatic Test Equipment Development*	**Project (Number/Name)** L65 / *Test Equipment Development*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
AN/GSM-421(V2) User Testing	2	2007	4	2012
CALSETS Physical Instruments	1	2016	4	2030
CALSETS Software Environment and Calibration	1	2016	4	2030
CALSETS Electrical Instruments	1	2016	4	2030
Test Equipment Modernization	1	2016	4	2030

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 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604760A *I Distributive Interactive Simulations (DIS) - Eng 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	-	8.481	8.914	7.724	-	7.724	-	-	-	-	-	-
C74: *Devel Simulation Tech*	-	0.993	1.043	1.021	-	1.021	-	-	-	-	-	-
C77: *Army Geospatial Data Master Plan*	-	1.096	1.157	-	-	-	-	-	-	-	-	-
C78: *One Semi-Automated Forces*	-	6.392	6.714	6.703	-	6.703	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The program element applies to the Army's Advanced Simulation Program, which enables operational readiness and the development of concepts and systems for the Future Force through the application of new simulation technology and techniques. The development and application of simulation technology will provide the means to link electronically a range of various simulation tools in a manner that is transparent to the user. The amalgam of simulations and tools is linked together to enable execution of an event; to verify the scenarios, tactics/techniques and procedures; to train testers on new hardware/software; and to conduct trial test runs before costly live field tests. The tools developed are available for reuse by developers and users of simulations throughout the Army.

Project C74, Devel Simulation tech, funds the Headquarters Department of the Army-chartered mission of the Simulation-to-Mission Command Interoperability (SIMCI) Overarching Integrated Product Team (OIPT) in support of Army Training and Readiness. The SIMCI OIPT mission is to provide policy recommendations to Army senior leadership to improve organizations by allowing Soldiers to fight in the same manner in which they train. This is accomplished by interoperability between Mission Command (MC) systems and the Modeling and Simulation (M&S) systems that the Army uses to stimulate MC systems for training Soldiers and their Leaders. SIMCI also invests in targeted solutions to critical problem areas that exist between MC and Simulations. The SIMCI OIPT uses focused collaborative processes among its 30+ Army organizations to identify key/critical interoperability shortfalls and the required materiel solutions.

Project C77, Army Geospatial Data Master Plan, focuses on activities that start with data acquisition from multiple sources and culminate in (1) accurate, robust and timely geospatial data and data management and (2) integration and conversion tools that support multiple battle command, training and mission-rehearsal applications. Project C77 continues development efforts associated with the Ground-Warfighter Geospatial Data Model (GGDM) and Geospatial Data Standards.

Project C78, One Semi-Automated Forces (OneSAF), develops and delivers a software application that represents activities of units and forces in simulation to support Army Training and Readiness. The application is used by Army agencies to support the concept evaluation, experimentation, materiel acquisition and training throughout the communities. The focus of this project is systems/software engineering and design for development and evolution of the architecture and software tools for a universal system of Army computer-generated forces -- OneSAF. OneSAF is a high fidelity brigade-and-below SAF that represents a full range of operations, systems and control processes in support of stand-alone and embedded training and Research, Development and Acquisition (RDA) simulation applications. OneSAF is fully interoperable with the Army's emerging virtual, live, and division-and-above constructive simulations and provides next-generation simulation products. OneSAF replaces a variety of legacy simulations used within the Army to support analytic and training simulation activities.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604760A *I Distributive Interactive Simulations (DIS) - Eng Dev*

Distributive Interactive Simulations (DIS) - Eng Dev program is part of the Army Transformation Initiative.

The FY 2026 request was reduced by $0.316 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	8.802	8.914	7.766	-	7.766
Current President's Budget	8.481	8.914	7.724	-	7.724
Total Adjustments	-0.321	0.000	-0.042	-	-0.042
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.001	-			
• SBIR/STTR Transfer	-0.322	-			
• Adjustments to Budget Years	-	-	-0.042	-	-0.042

Change Summary Explanation

Funding decrease in FY 2026 from the previous PB 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."

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C74 / *Devel Simulation 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
C74: *Devel Simulation Tech*	-	0.993	1.043	1.021	-	1.021	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project C74 funds the Headquarters, Department of Army (HQDA) chartered mission of the Simulation-to-Mission Command Interoperability (SIMCI) Overarching Integrated Product Team (OIPT) in support of Army Training and Readiness. The SIMCI OIPT mission is to provide policy recommendations to Army senior leadership to improve organizations by allowing Soldiers to train as they fight. This is accomplished by interoperability between Mission Command (MC) systems and the Modeling and Simulation (M&S) systems the Army uses to stimulate MC systems for training Soldiers and their Leaders. SIMCI also invests in targeted solutions to critical problem areas that exist between legacy and developing MC systems and Simulations, such as Next Generation Constructive (NGC) and Next Generation Command and Control (NGC2).

The SIMCI OIPT provides the following: (1) Advisor to Army Leadership--improve MC and M&S interoperability programs, policies, directives, resourcing, and procedures; (2) Technical Investment--sponsor/support initiatives that seek common solutions to critical interoperability issues surrounding MC and M&S systems; (3) Outreach--conduct & participate in interoperability outreach activities. SIMCI investments consist primarily of cost-sharing initiatives, leveraging initial system solutions of acquisition programs to enhance the interoperability of multiple systems in the Joint Operational Environment. SIMCI investments accelerate implementation within MC and M&S systems, of common data models and information exchanges that are used by other Services and coalition nations.

FY 2026 base funding in the amount of $1.021 million continues progress with embedding simulation into Mission Command Systems, continues management of the SIMCI OIPT's Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. It is focused first on reducing costs and improving capabilities in the areas of automating Operational Plans, Orders, and Reports in support of Army, Joint, and Coalition operations. Objectives are: identify and articulate to HQDA senior leadership specific standards that require Army-wide implementation; co-develop data standards, architecture standards, implementation specifications and Joint/Coalition products; continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Program Management for the SIMCI Overarching Integrated Product Team (OIPT) Projects.	0.993	1.043	1.021
Description: Program Management of the SIMCI OIPT's Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. The OIPT consists of a Product Director, engineers, and finance personnel. Will perform management and support of the SIMCI OIPT'S Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. Will continue focus on gap-analysis of the current model and simulation programs and capabilities in			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C74 / *Devel Simulation Tech*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
the areas of Live, Virtual, and Constructive (LVC) simulations. This will support the SIMCI Directive to find redundancy within the Modeling and Simulation (M&S) community and reduce it. ***FY 2025 Plans:*** SIMCI will continue support Simulation and Mission Command System interoperability through four primary areas. 1) OIPT- Funding for subject matter experts to conduct routine engagements with the Modeling and Simulation and Digital Engineering communities to include Joint, Army Headquarters, ASA (ALT), Partner Nations, and Industry. Informs strategies of the communities related to interoperability between Mission Command Systems and Simulations. Primary focus will be on Next Generation Constructive (NGC) and Next Generation Command and Control (NGC2) to facilitate interoperability of the two developing capabilities increased touchpoints through engagements and funding of technical solutions that address interoperability. 2) Alliance/Partner Interoperability - Monitor, inform, and influence partner efforts, such as NATO Modeling & Simulation Groups and regional Army Component Commands. Actively explore and experiment on technical solutions/standards with NATO partners, resulting in increased awareness and implementation of NATO and Industry standards. Provide support to Command and Control Simulation Interoperability (C2 Sim) initiative aimed at improving the interoperability between command-and-control systems and simulation systems. 3) Army Org Server (AOS) - Continued support to the AOS program to support ongoing updates and set conditions for its migration to Global Force Information Management (GFIM) Operating Environment (OE). 4) Mission Command Support - Routine engagements by a Subject Matter Expert with the Central Technical Support Facility and Mission Command System agents and PEOs. Provides updates on emerging Mission Command standards and upcoming certification tests. ***FY 2026 Plans:*** SIMCI will continue support Simulation and Mission Command System interoperability through four primary areas. 1) OIPT (Architect Support) - Funding for subject matter experts to conduct routine engagements with the Modeling and Simulation and Digital Engineering communities to include Joint, Army Headquarters, ASA (ALT), Partner Nations, and Industry. Informs strategies of the communities related to interoperability between Mission Command Systems and Simulations. Primary focus will continue to be on Next Generation Constructive (NGC) and Next Generation Command and Control (NGC2) to facilitate			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C74 / *Devel Simulation Tech*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
interoperability of the two developing capabilities increased touchpoints through engagements and funding of technical solutions that address interoperability. 2) Alliance/Partner Interoperability - SIMCI will continue support to Control Simulation Interoperability (C2 Sim) and look to participate in the NATO led Coalition Warrior Interoperability Exercise (CWIX) aimed at enabling interoperability across Alliance and Partner simulation and mission command systems. Additionally, SIMCI will look to participate in a NATO Modeling and Simulation group to provide expertise on technical solutions/standards with NATO partners. 3) Army Org Server (AOS) - Continued support to the AOS transition to the Global Force Information Management (GFIM) Operating Environment (OE), enabling Distributive Interactive Simulation Enumerations to be added to the GFIM OE to enable interoperability across federation of simulations. 4) Mission Command Support -This will enable further collaboration between PEO STRI and PEO C3N, to include, facilitating technical exchanges and information sharing on emerging Mission Command standards and upcoming certification tests. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Minor decrease in funding from FY2025 to FY2026 is due to economic assumptions.			
Accomplishments/Planned Programs Subtotals	0.993	1.043	1.021

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

SIMCI uses other contract vehicles (internal/external) and awards money to work on specific technical projects. This provides the opportunity to leverage technical expertise from different agencies. SIMCI chooses projects that enhance current capabilities, closes the gaps of existing capabilities, and makes the determination for future projects that affect both the Mission Command and Live, Virtual, Constructive simulations environment. SIMCI only chooses those projects that meet specific requirements and criteria as stated above. It is one of SIMCI's missions to locate, utilize, or upgrade those projects or specific products that do just that.

D. Acquisition Strategy

SIMCI Overarching Integrated Product Team (OIPT) resources are allocated to multiple organizations in both the Mission Command (MC) and Modeling and Simulation (M&S) communities. The funds are contracted to execute approved functions and to fund projects that advance the efforts of SIMCI and components-based architecture alignment. Products developed transitions to the lead or sponsor's program which then maintains the product for the cost savings of itself and other programs in both communities. The primary focus for these projects are the following: Embedded simulations with current Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) systems, gap-analysis for legacy and developing simulations and development of solutions for interoperability

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C74 / *Devel Simulation Tech*

with next generation Mission Command systems, and the proper implementation of Next-Generation modeling and simulation capabilities in regard to the Synthetic Training Environment (STE).

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C74 / *Devel Simulation Tech*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PEO STRI : Orlando, FL	10.983	0.138	Jan 2024	0.140	Jan 2025	0.140	Jan 2026	-		0.140	Continuing	Continuing	Continuing
		Subtotal	10.983	0.138		0.140		0.140		-		0.140	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SIMCI Program/OIPT Support	Various	Various : Various	10.100	0.830	Jan 2024	0.878	Jan 2025	0.856	Jan 2026	-		0.856	Continuing	Continuing	Continuing
Army Initialization Program and Technical Work Groups (TWG)	Various	Various : Various	0.816	0.025	Jan 2024	0.025	Jan 2025	0.025	Jan 2026	-		0.025	Continuing	Continuing	Continuing
		Subtotal	10.916	0.855		0.903		0.881		-		0.881	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	21.899	0.993		1.043		1.021		-		1.021	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C74 / *Devel Simulation Tech*

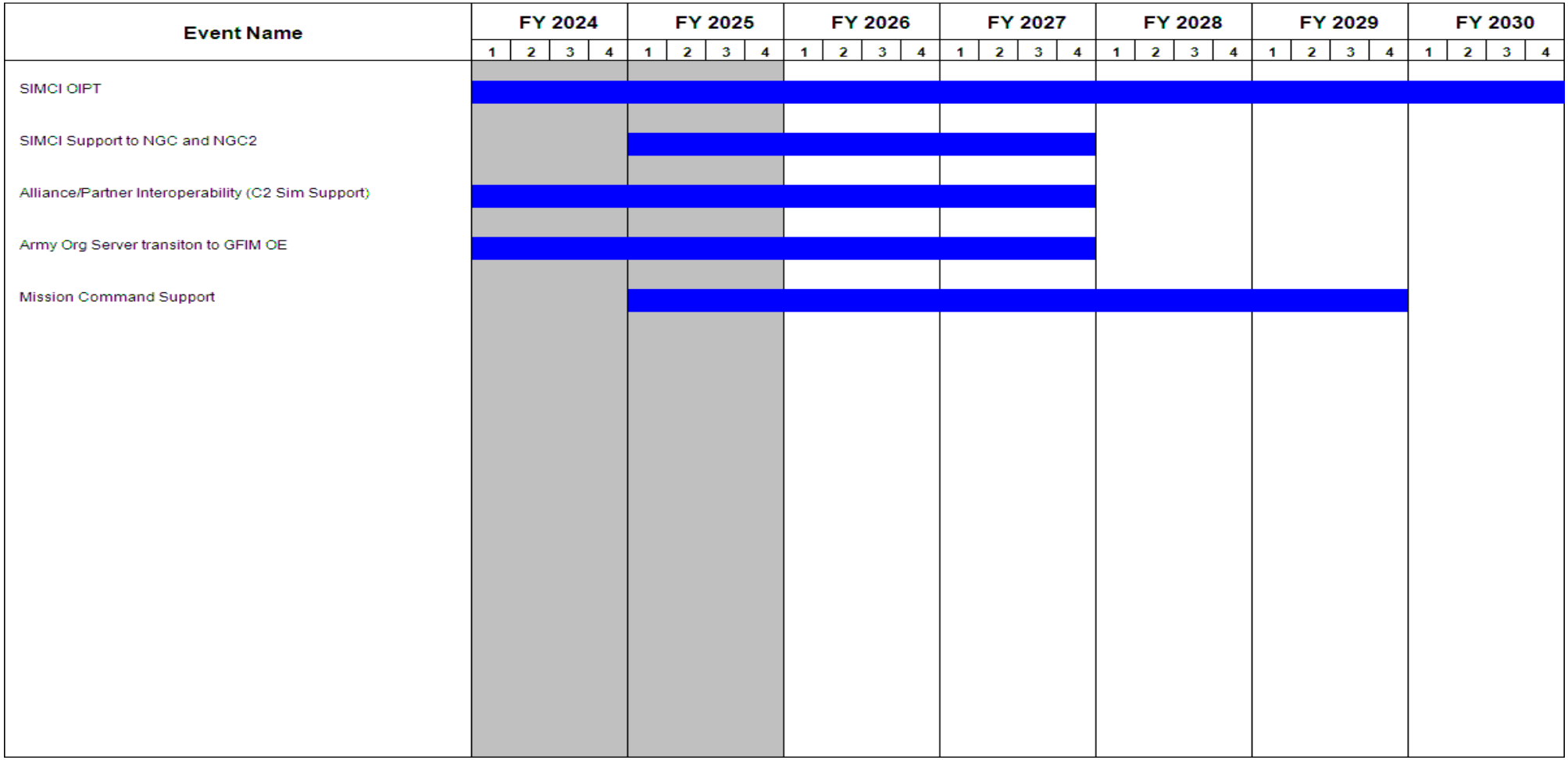

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C74 / *Devel Simulation Tech*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
SIMCI OIPT	1	2010	4	2031
SIMCI Support to NGC and NGC2	1	2025	4	2027
Alliance/Partner Interoperability (C2 Sim Support)	1	2023	4	2027
Army Org Server transiton to GFIM OE	1	2024	4	2027
Mission Command Support	1	2025	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C77 / *Army Geospatial Data Master Plan*	

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
C77: *Army Geospatial Data Master Plan*	-	1.096	1.157	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Army Geospatial Enterprise (AGE) provides the geospatial foundation, consisting of accurate, robust, and timely 2D and 3D geospatial data, robust tools and services, in support of mission command, intelligence, training, mission-rehearsal and other mission-applications. It addresses the implementation and acceleration of Army modernization objectives focused on enhancing situational awareness to the warfighter.

This effort provides a geospatial standards-based framework that enables the management, dissemination, and update of 2D and 3D geospatial data and services within the Army Geospatial Enterprise (AGE) across Mission Command, all Cross-Functional Team (CFT), and with our National and UAP partners ensuring a common operational picture enhancing soldier situational awareness and increasing mission success. Provides support to synthetic training environment, network and soldier lethality cross functional teams. Establishes a geospatial enterprise architecture framed around geospatial standards that enable address geospatial data, services, and application interoperability from National to tactical as required by as Department of Defense Instruction (DoDI) 5000.56, AR 525-95 - Army Geospatial-Intelligence and Geospatial Information and Services, Geospatial Annex to COE IP, Net-Enabled Mission Command ICD, OMB-Circular A-119 and A-130, the FY17 NDAA (National Defense Authorization Act), section 875, 10 U.S. Code 2223, Public Law 108-237, Standards Development Organization Advancement Action of 2004 and Public Law 108-113, National Technology Transfer and Advancement Act of 1995 and Public Law 82-436.

Key lines of effort include Ground-Warfighter Geospatial Data Model (GGDM), development and maintenance of geospatial Standards, and integration with the Army Modelling and Simulation Enterprise.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Ground-Warfighter Geospatial Data Model (GGDM)	0.330	0.330	-
Description: The GGDM incorporates common data elements that conform to standards mandated by the Department of Defense Information Technology Standards Registry (DISR) for the National System for Geospatial Intelligence (NSG). Incorporating common geospatial data standards into the GGDM makes the Programs of Record (POR) consistent with new DISR-mandated geospatial intelligence standards for the NSG and ensures interoperability from National to Tactical. The implementation of GGDM across the Army increases system-interoperability at the geospatial data level. This effort includes the update and maintenance of the GGDM to enable interoperability in support of Army Modernization.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C77 / *Army Geospatial Data Master Plan*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Build on FY24 efforts and continue development of GGDMNext based upon GGDM assessment, emerging modernization requirements and changing technology (3D, AR and VR) and maintain capability to support current fielded systems. Includes additional revisions due to changes in the National System for Geospatial-Intelligence (NSG) Application Schema (NAS), alignment with Defence Geospatial Information Framework (DGIF) for interoperability with Coalition partners as well as the National Geospatial-Intelligence Agency, USMC, and ABCANZ Allies. Develop GGDM profiles to support optimized visualization (i.e. vector tiles) and analysis. Update GGDM training classes to reflect changes to model and potential 3D capabilities. Support majpr Army PORs and CFTs in implementing the GGDM. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to completion of efforts in FY 2025.			
Title: Geospatial Data Standards ***Description:*** Army Geospatial Standards including data standards and standards for services to manage, process and disseminate and utilize geospatial data. Alignment of industry and Open geospatial standards from organizations such as the Open Geospatial Consortium (OGC) and others into the Army Geospatial Enterprise (AGE). This effort includes addressing high priority Army gaps in international consensus standards enabling interoperability across the National System for Geospatial Intelligence and our international partners and develops standards roadmap. ***FY 2025 Plans:*** Continue industry and other Government agencies collaboration to develop new geospatial data and services standards, DOD Profiles of these standards, and technology implementations of these standards and improve interoperability with Coalition partners. Focus will be on emerging modernization requirements and addressing high priority Army gaps enabling Army interoperability including maintaining standards support for existing fielded 2D systems and emerging 3D/AR/VR capabilities. Will continue to provide SME support on geospatial data and technology standards to Army PORs. Continue to utilize to perform integration of multiple geospatial standards (both 2D and 3D) in support of One World Terrain (OWT) and Integrated Visualization Augmentation System (IVAS) to support applications such as mission planning, mission rehearsal, and Army operations. The integration of 2D and 3D maps in Army systems will enable the soldier with cutting-edge geospatial capabilities and over match moving forward in support of HQDA EXORD 154-20 (Army 3D Geospatial Data Integration) and FRAGO1. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to completion of efforts in FY 2025.	0.766	0.827	-
Accomplishments/Planned Programs Subtotals	1.096	1.157	-

C. Other Program Funding Summary ($ in Millions)

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C77 / *Army Geospatial Data Master Plan*

C. Other Program Funding Summary ($ in Millions)

Remarks

D. Acquisition Strategy

Resources are allocated to several critical geospatial projects in support of the Army Geospatial Data Integrated Master Plan (AGDIMP) and the Army Geospatial Enterprise (AGE).

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C77 / *Army Geospatial Data Master Plan*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Geospatial Model and Data Standards	Various	TBD : TBD	14.549	1.096	Nov 2023	1.157	Nov 2024	-		-		-	0.000	16.802	Continuing
		Subtotal	14.549	1.096		1.157		-		-		-	0.000	16.802	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	14.549	1.096		1.157		-		-		-	0.000	16.802	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C77 / *Army Geospatial Data Master Plan*

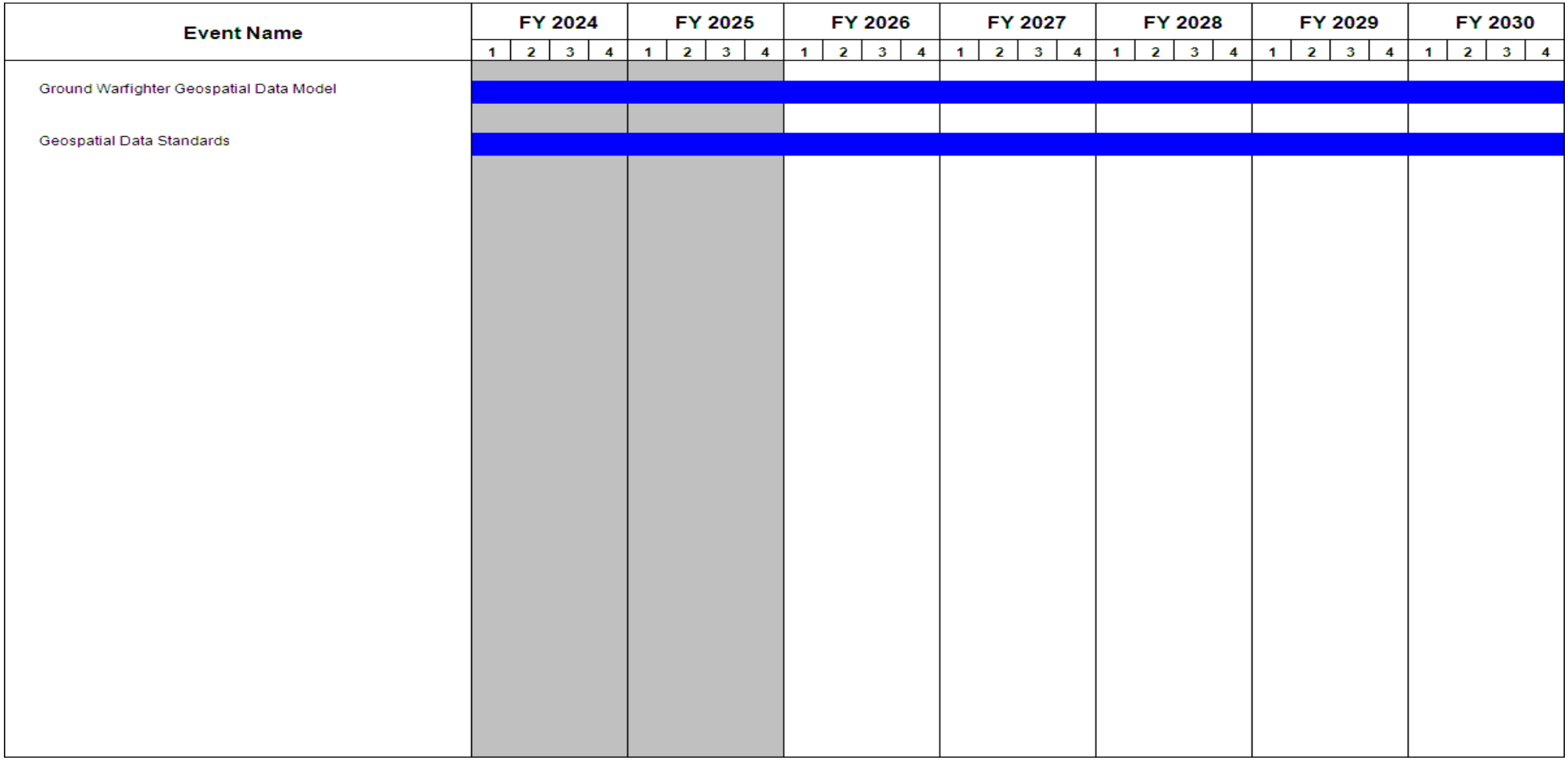

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C77 / *Army Geospatial Data Master Plan*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Ground Warfighter Geospatial Data Model	1	2010	4	2030
Geospatial Data Standards	1	2010	4	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army											Date: June 2025	
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*				Project (Number/Name) C78 / *One Semi-Automated Forces*			
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**
C78: *One Semi-Automated Forces*	-	6.392	6.714	6.703	-	6.703	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

One Semi-Automated Forces (OneSAF) develops and delivers a software application that represents activities of units and forces in simulation to support Army Training and Readiness. The application is used by Army agencies to support the concept evaluation, experimentation, materiel acquisition and training. The focus of this project is systems/software engineering and design for development and evolution of the architecture and software tools for a universal system of Army computer-generated forces -- OneSAF. OneSAF is a high fidelity brigade-and-below SAF that represents a full range of operations, systems and control processes in support of stand-alone and embedded training and Research, Development and Acquisition (RDA) simulation applications. OneSAF is fully interoperable with the Army's virtual, live, and division-and-above constructive simulations.

FY 2026 base funding in the amount of $6.703 million allows for continued development of the software product line Prioritized Improvements. This funding also provides for the management of the infrastructure, equipment, laboratories, and processes needed to develop, test, and release the required product baseline.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Government System Test and Evaluation for the One Semi-Automated Forces (OneSAF) program. ***Description:*** Government System Test and Evaluation for the OneSAF program. ***FY 2025 Plans:*** Will provide for software, test, integration and release for Version 12.2 (Note: FY 2024 release of V13.0 is renamed to V12.1 but prior years are locked). Will provide support to the user community experiments, analyses, and validation events for integration into the Home Station Training Federation, Network Integration Events (NIE), Battle Lab Collaborative Simulation Environment (BLCSE), Entity Simulation Service (ESS) in support of Joint Land Component Constructive Training Capability (JLCCTC), and other Live, Virtual and Constructive (LVC) applications. ***FY 2026 Plans:*** Will provide for software, test, integration and release for Version 14.x. Will provide support to the user community experiments, analyses, and validation events for integration into the Home Station Training Federation, Network Integration Events (NIE), Battle Lab Collaborative Simulation Environment (BLCSE), other constructive training capabilities, and other Live, Virtual, Constructive (LVC) applications.	1.050	1.050	1.050
Title: Government Program Management for the One Semi-Automated Forces (OneSAF) program.	0.300	0.300	0.300

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C78 / *One Semi-Automated Forces*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Description: Government Program Management for the One Semi-Automated Forces (OneSAF) program. ***FY 2025 Plans:*** Will provide a portion of program management, engineering and technical oversight, contract support, and travel for support of site surveys and Subject Matter Experts for the development of OneSAF. ***FY 2026 Plans:*** Will provide a portion of program management, engineering and technical oversight, contract support, and travel for support of site surveys and Subject Matter Experts for the development of OneSAF.			
Title: Software Engineering activities for the One Semi-Automated Forces Program ***Description:*** Continue development activities for the OneSAF program. ***FY 2025 Plans:*** Will continue the development of software capabilities and prioritized improvements. Will continue the software development of functionality that enhances architectural services, components, synthetic environment and infrastructure of the OneSAF Product Line and will provide for software integration, test and release of required software refreshes and Version 12.2 (Note: Version 12.2 was previously titled Version 14.0 and FY 2024 Version 13.0 is now known as Version 12.1) ***FY 2026 Plans:*** Will continue the development of software capabilities and prioritized improvements. Will continue the software development of functionality that enhances architectural services, components, synthetic environment and infrastructure of the OneSAF Product Line and will provide for software integration, test and release of required software refreshes and Version 14.x. (Note: Version 12.2 was previously titled Version 14.0 and FY 2024 Version 13.0 is now known as Version 12.1). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in FY 2026 due to economic adjustments.	5.042	5.364	5.353
Accomplishments/Planned Programs Subtotals	6.392	6.714	6.703

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C78 / *One Semi-Automated Forces*

D. Acquisition Strategy

OneSAF manages two Task Orders under one Indefinite Delivery/Indefinite Quantity (ID/IQ) Production and Support contract. The Task Order for support includes Program Management; Development and Customer support; Training; Travel and Other Direct Costs (ODC). The Task Order for Production includes Capability Improvements; Tailored Product Baseline Release; Capability Concurrence; and Integration, Test, and Release. The OneSAF Production and Support contract is tailored to fully serve the current and evolving needs of the user communities. The enhancements will be executed within the development line as modifications to the released baseline via Engineering Change Proposals (ECPs); Change Requests (CRs); and correction of deficiencies identified as Problem Test Reports (PTRs) and Deficiency Reports (DRs) by the user communities.

The OneSAF Program had a Request for Proposal out to industry which closed in October 2024. The contract will be a Competitive Small Business Set aside IDIQ contract with a base period and five one-year option ordering periods. The contract is expected to award NLT October 2025.

In FY 2026, the program will continue with yearly releases of the OneSAF Software versions containing performance enhancements resulting from the development and integration of Prioritized Improvements, concurrency enhancements, user feedback, corrections of deficiencies identified as Problem Test Reports (PTR) and Deficiency Reports (DR) and Co-Developers handovers. The OneSAF program will continue to manage the single award contract for the continuing development and maintenance of the software baseline as well as continue to manage the Integrated Development Environment (IDE).

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C78 / *One Semi-Automated Forces*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PEO STRI, Orlando, FL : Various	30.101	0.300	Oct 2023	0.300	Oct 2024	0.300	Oct 2025	-		0.300	Continuing	Continuing	Continuing
		Subtotal	30.101	0.300		0.300		0.300		-		0.300	Continuing	Continuing	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	C/CPFF	Riptide : Orlando, FL	28.048	4.617	Oct 2023	4.939	Dec 2024	-		-		-	Continuing	Continuing	Continuing
Software Development	C/IDIQ	TBD : TBD	-	-		-		4.928	Feb 2026	-		4.928	0.000	4.928	-
		Subtotal	28.048	4.617		4.939		4.928		-		4.928	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Domain Analysis	Various	Various : Various	6.914	0.125	Oct 2023	0.125	Dec 2024	0.125	Feb 2026	-		0.125	Continuing	Continuing	Continuing
Architecture Engr & Tech Spt	SS/FP	MITRE FFRDC : Aberdeen Proving Ground, MD	7.223	0.300	Oct 2023	0.300	Dec 2024	0.300	Feb 2026	-		0.300	Continuing	Continuing	Continuing
		Subtotal	14.137	0.425		0.425		0.425		-		0.425	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
OneSAF Integration, Evaluation and Test	Various	Various : Various	18.069	0.875	Oct 2023	0.875	Dec 2024	0.875	Feb 2026	-		0.875	Continuing	Continuing	Continuing
OneSAF Verification, Validation & Accreditation	Various	Various : Various	8.326	0.175	Oct 2023	0.175	Dec 2024	0.175	Feb 2026	-		0.175	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	Project (Number/Name) C78 / *One Semi-Automated Forces*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	26.395	1.050		1.050		1.050		-		1.050	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	98.681	6.392		6.714		6.703		-		6.703	Continuing	Continuing	N/A

Remarks

OneSAF will award their new competitive Small Business Set Aside contract NLT 1QFY26. In 3QFY25 OneSAF extended their current IDIQ Production and Support contract with Riptide by four months. OneSAF obligated FY 2025 funds on the current Production and Support contract as well as the new Small Business Set Aside Contract.

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C78 / *One Semi-Automated Forces*

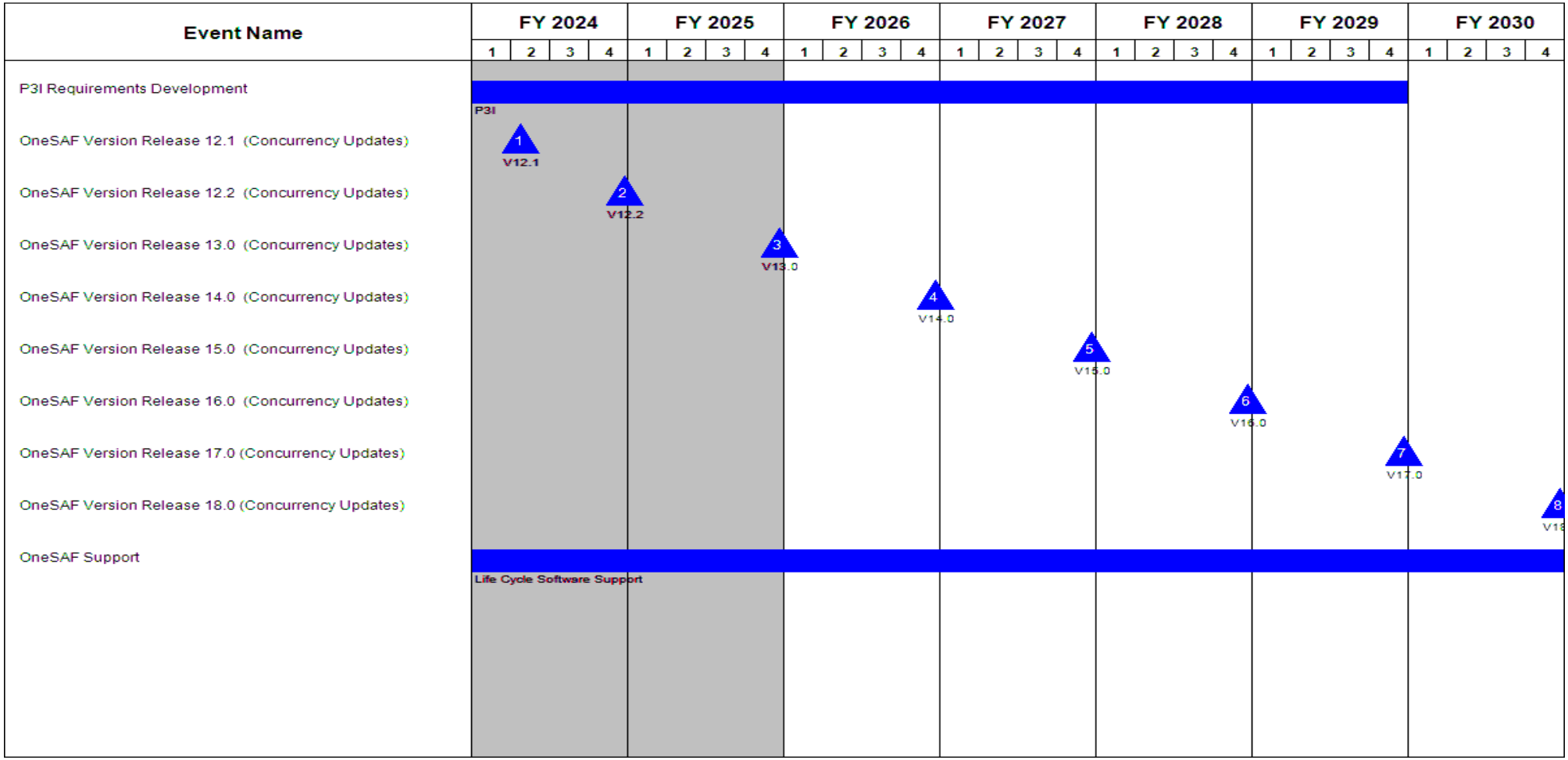

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604760A / *Distributive Interactive Simulations (DIS) - Eng Dev*	**Project (Number/Name)** C78 / *One Semi-Automated Forces*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
P3I Requirements Development	1	2006	4	2029
OneSAF Version Release 9.0 (Concurrency Updates)	2	2020	2	2020
OneSAF Version Release 10.0 (Concurrency Updates)	2	2021	2	2021
OneSAF Version Release 11.0 (Concurrency Updates)	2	2022	2	2022
OneSAF Version Release 12.0 (Concurrency Updates)	2	2023	2	2023
OneSAF Version Release 12.1 (Concurrency Updates)	2	2024	2	2024
OneSAF Version Release 12.2 (Concurrency Updates)	4	2024	4	2024
OneSAF Version Release 13.0 (Concurrency Updates)	4	2025	4	2025
OneSAF Version Release 14.0 (Concurrency Updates)	4	2026	4	2026
OneSAF Version Release 15.0 (Concurrency Updates)	4	2027	4	2027
OneSAF Version Release 16.0 (Concurrency Updates)	4	2028	4	2028
OneSAF Version Release 17.0 (Concurrency Updates)	4	2029	4	2029
OneSAF Version Release 18.0 (Concurrency Updates)	4	2030	4	2030
OneSAF Support	1	2006	4	2030

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 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604798A *I Brigade Analysis, Integration and Evaluation*							
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	-	21.750	26.352	24.318	-	24.318	-	-	-	-	-	-
DY7: *Army Systems Engineering, Architecture & Analysis*	-	21.750	26.352	24.318	-	24.318	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program element is comprised of four initiatives: Technology Accelerators, Acquisition Reform, Commercial Innovation, and Digital Engineering Initiatives. These efforts directly support the SECDEF Memorandum, "Directing Modern Software Acquisition to Maximize Lethality", DoD Software Modernization Implementation Plan, and the Army's strategic priorities for emerging technology insertion. These initiatives are foundational to achieving the Army's digital transformation goals and ensuring operational superiority in an increasingly complex and contested environment.

Project DY7: Provides the Army's leadership and materiel developers with essential tools and methodologies to modernize software acquisition and engineering processes. This project delivers comprehensive capabilities including,, System of Systems (SoS) engineering and analysis, technical risk analysis, architectural frameworks, critical path analysis, cybersecurity and interoperability risk analysis; all designed to optimize the Army's materiel portfolio and accelerate modernization. Aligned with the DoD and Army digital transformation and modernization goals, this project emphasizes the implementation of Continuous Integration/ Continuous Delivery (CI/CD) pipelines to streamline and modernize the software acquisition process. By leveraging CI/CD, the Army can rapidly field minimal viable products (MVPs) that address mission-critical needs while maintaining flexibility to adapt to evolving threats. This approach integrates continuous Soldier feedback into a unified engineering construct, ensuring that capabilities are both operationally relevant and responsive to the dynamic needs of the force.

Key focus areas include:
* Implementing open architecture frameworks. Establishing cohesive data, software, hardware open architecture frameworks to enable decision dominance and enhance interoperability, interchangeability, and integrateability across the Army's digital and physical ecosystem.
* Adaptable Systems and Digital Engineering: Developing flexible engineering processes that integrate SoS risk analysis, architectural products, and mitigation planning to deliver MVPs for rapid fielding.
* Modern Software Practices: Removing institutional barriers to CI/CD adoption and delivering secure, resilient software solutions designed to meet the Army's mission requirements.
* Portfolio Optimization: Conducting engineering analysis, portfolio assessments, and systems security evaluations to ensure alignment with the Army's modernization priorities.

Additionally, this project supports the Army Futures Command by streamlining processes through broad Capability Needs Statements (CNS). This enables agile development of concepts, requirements generation, resource allocation, experimentation, acquisition, logistics, and technology integration.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604798A *I Brigade Analysis, Integration and Evaluation*

Key deliverables include the development of integrated architecture products to drive modernization, engineering analysis and design to enhance system performance and interoperability, and independent technical risk assessments to address vulnerabilities. Additionally, the project ensures cybersecurity compliance and policy alignment for secure operations while coordinating ASA(ALT) data stewardship and governance activities to enable data-driven decision-making across the Army's modernization efforts.

The FY 2026 request was reduced by $1.338 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	20.828	26.352	26.056	-	26.056
Current President's Budget	21.750	26.352	24.318	-	24.318
Total Adjustments	0.922	0.000	-1.738	-	-1.738
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.393	-			
• SBIR/STTR Transfer	-0.471	-			
• Adjustments to Budget Years	-	-	-1.738	-	-1.738

Change Summary Explanation

FY 2026 funding decrease from previous PB to current PB due to reduction in 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."

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604798A / *Brigade Analysis, Integration and Evaluation*				Project (Number/Name) DY7 / *Army Systems Engineering, Architecture & Analysis*			
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**
DY7: *Army Systems Engineering, Architecture & Analysis*	-	21.750	26.352	24.318	-	24.318	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is advancing its modernization efforts by digitally transforming across the Program Executive Offices (PEOs) in support of the Assistant Secretary of the Army (Acquisition, Logistics and Technology)'s (ASA(ALT)) Mission. This project focuses on integrating data, engineering, and software practices to transform modernization planning and accelerate the delivery of mission-critical capabilities. By implementing CI/ CD models, adaptable System of Systems (SoS) engineering, interoperability and technical risk analysis, ASA(ALT) is ensuring the rapid fielding of minimal viable products (MVPs) that meet the evolving needs of the force.

Key digital transformation efforts include the development of flexible engineering processes, integrated SoS architecture products, and risk mitigation planning to optimize the Army's materiel portfolio. These efforts are enabled by the establishment of modern engineering policies, requirements aligned to CI/CD models, and synchronization of resources and acquisitions to address cross-portfolio challenges. A key focus is placed on cyber security and interoperability to ensure that all systems are secure by design, resilient against cyber threats, and seamlessly integrated across the Army's digital ecosystem.

ASA(ALT)'s digital transformation initiatives are revolutionizing how capabilities are developed, delivered, and integrated to meet the demands of modern warfare. data reference architectures are enabling decision dominance by providing commanders with timely, actionable data while eliminating institutional barriers to Continuous Integration/Continuous Delivery (CI/CD) adoption. Modern software practices, such as secure coding principles and Development, Security, and Operations (DevSecOps) methodologies, ensure the delivery of adaptable, cyber-resilient capabilities that are secure by design. Interoperability assessments and compliance frameworks are embedded into the engineering process to guarantee seamless operation across joint and coalition environments, enhancing mission effectiveness and operational cohesion.

As the Army embraces digital transformation, data-centricity becomes the backbone of battlefield communication, enabling faster and more informed decision-making. Modernized software practices streamline operational capabilities, while digital engineering ensures seamless integration and adaptability across systems as requirements and technologies evolve. Leading this transformation is the Deputy Assistant Secretary of the Army for Data, Engineering, and Software (DASA(DES)), formerly the Office of the Chief Systems Engineer (OCSE). DASA(DES) is spearheading the development of unified, government-owned data architectures that prevent vendor lock-in, govern the acquisition of data-centric capabilities, and empower commanders with the information they need, when they need it. DASA(DES) is spearheading the implementation of modern software techniques, such as agile development and Development, Security, and Operations (DevSecOps), to deliver faster, more secure, and more effective capabilities. Additionally, ASA(ALT) is driving Digital Engineering as a holistic approach to complex system design that leverages models, data, and modern software practices-to revolutionize how the Army approaches software, data architecture, and product development. Cybersecurity is embedded throughout these efforts, ensuring that systems are protected against adversarial threats while maintaining operational integrity.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

This project catalyzes, coordinates, and integrates data, engineering, software, and cybersecurity practices throughout the acquisition lifecycle. By prioritizing these practices across ASA(ALT) Programs of Record, the Army ensures rapid, secure, interoperable, and optimal delivery of capabilities to the warfighter. Leveraging open systems architecture concepts, this initiative accelerates modernization, enhances interoperability, and positions the Army to maintain technological superiority against any adversary.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Engineering Governance	7.030	6.108	6.108

Description: This Project leads critical resources, tools, and solutions for ASA(ALT) to modernize software acquisition, lead digital engineering, provide oversight of Title X systems engineering functions, and implement software, data, cyber, and engineering frameworks, guidance, and governance to improve product delivery and cyber operational readiness for fielded systems. Additionally, this project has influence over program budgets for acquisition programs of record. General Officer (GO) / SES collaboration is required with key stakeholders across the Army, OSD, and other services, including the U.S. Army Training and Doctrine Command (TRADOC); U.S. Army Futures Command (AFC); Chief Information Officer (CIO); U.S. Army Test and Evaluation Command (ATEC); Deputy Chief of Staff, G-3; Deputy Chief of Staff, G-6; Deputy Chief of Staff, G-2; Army Cyber Command; and U.S. Army Program Executive Officers. The execution of these duties will ultimately change the way the Army delivers capabilities to Soldiers. This Project has full line authority from the ASA(ALT). This Project also provides for engineering efforts that enable the Army's leadership and materiel developers with the necessary modernization planning, System of Systems (SoS) engineering and analysis, technical risk analysis, architectural products, critical path analysis, cybersecurity and interoperability risk analysis and the associated mitigation planning for the Army's materiel portfolio. This Project develops process, products, and policies that ensure a solid Army Systems Engineering construct across Army Program Executive and Management Offices.

FY 2025 Plans:
This Project leads critical resources, tools, and solutions for ASA(ALT) to modernize software acquisition, lead digital engineering, provide oversight of Title X systems engineering functions, and implement software, data, cyber, and engineering governance to improve product delivery and cyber operational readiness for fielded systems. Additionally, has influence over program budgets for acquisition programs of record. General Officer (GO) / SES collaboration is required with key stakeholders across the Army, OSD, and other services, including the U.S. Army Training and Doctrine Command (TRADOC); U.S. Army Futures Command(AFC); Chief Information Officer (CIO); U.S. Army Test and Evaluation Command (ATEC); Deputy Chief of Staff, G-3; Deputy Chief of Staff, G-6; Deputy Chief of Staff, G-2; Army Cyber Command; and U.S. Army Program Executive Officers. The execution of these duties will ultimately change the way the Army delivers capabilities to Soldiers. This Project as full line authority from the Assistant Secretary of the Army (Acquisition, Logistics and Technology). This Project also provides for systems engineering efforts that enable the Army's leadership and materiel developers with the necessary modernization planning, System of Systems (SoS) engineering and analysis, technical risk analysis, architectural products, critical path analysis, cybersecurity and interoperability risk analysis and the associated mitigation planning for the Army's materiel portfolio. This Project develops

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
process, products, and policies that ensure a solid Army Systems Engineering construct across Army Program Executive and Management Offices. This Project includes specific efforts in support of the Army's Data plan that has lines of effort working towards the Joint All Domain Command and Control (JADC2) concept via Data, Systems Engineering, and Software governance, emerging Multi-Domain Operations (MDO) concepts requirements generation, resource allocation, experimentation, acquisition, logistics, and technology components of the Army's Modernization Strategy. Focus areas includes the integration of key elements of a system into one overall system engineering construct and managing it through major system engineering activities to ensure the fielding of integrated capabilities meet the mission needs of the force against any potential adversaries. Key system engineering functions include, engineering and technical risk analysis, establishment of Army Data, systems engineering, and software policy and implementation standards, requirements decomposition and alignment, and resource and acquisition synchronization to address cross-portfolio issues. Key tasks are t to enable the adoption of modern software practices (i.e. DevSecOps, Agile software development...), perform Portfolio Analysis and Software support; execute Systems Security Engineering processes, perform interoperability assessments, perform independent risk assessments, perform Cybersecurity requirements analysis, compliance, Cyber policy assessments, and coordinates the ASA(ALT) community's Data activities including Data Steward and Functional Data Manager in Army Data Governance Forums. The effort includes costs for labor (Government and contractor), support services, travel, training, supplies, facilities, and Information Technology (IT) support for the DASA(DES) Data, Engineering, and Software. This Project also includes support to other Department of Defense (DOD) and international agencies for joint programs and collaboration effort. Major Responsibilities: This Project is responsible for ensuring that digital transformation program support considerations, including digital engineering, data architecture and modern software practices, are integrated into all Army acquisition programs throughout their lifecycle. Specifically, areas that fall fall under this responsibility for the following areas of concentration. Data Architecture Development, Implementation and Integration - Drive, influence and support programs develop data architectures, and that they integrate resulting in a holistic data solution within and across tactical and enterprise domains. This data architecture will govern acquisition of data-centric capabilities and reduce the current complexity. It will flatten the Army's data architecture across its echelons for effective and efficient data-driven decision-making as envisioned by Joint All Domain Command and Control (JADC2) and the Army's multi-domain operations (MDO) concept and supporting doctrine. Software Development Acquisition Support and Oversight - Ensure programs implement agile software development and DevSecOps to deliver better capability faster. These modern practices will increase speed, quality, and security of software, while ensuring			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
stakeholder transparency and involvement throughout the development process to deliver the best capability incrementally with rapid feedback from the field. ASA(ALT) is leading the shift to Agile and DevSecOps across the PEOs, as well as, coordinating across the operational, test, and requirements communities to drive culture changes to achieve the goal of Agile and DevSecOps by influencing organizational changes, transformation to a digital workforce, a shift to soldier-centricity in the requirements & development processes, reimagining of current testing & cybersecurity constructs, updating contracting & funding strategies and focus on the intersection of software and data via data centricity. Digital Engineering Policy and Implementation Guidance - Influence and support programs implement sound digital engineering practices that enable sharing of data across the Acquisition enterprise. This will be achieved by establishing foundational capabilities and support mechanisms for programs who need a starting point, building on foundations with uniform guidance about how to perform a model-based acquisition, and reaching a state where all our programs are implementing a model-based acquisition and we're assessing program performance using the modeling environment. Independent Technical Risk Assessments (ITRA) - Conduct ITRAs for Major Defense Acquisition Programs (MDAPs). Modular Open Systems Approach (MOSA). Influence MOSA is implemented in Army Acquisition programs to maximize interoperability, simplify technology refresh, and eliminate vendor lock. Systems Engineering and Program Support - Advise programs on statutory and regulatory requirements in support of acquisition milestone decisions. Cyber Policy and Oversight - Ensure threat-informed cyber hardening of programs to prevent compromise of critical, sensitive data. ***FY 2026 Plans:*** This Initiative leads critical resources, tools, and solutions for ASA(ALT) to modernize software acquisition, lead digital engineering, provide oversight of Title X systems engineering functions, and implement software, data, cyber, and engineering frameworks, guidance, and governance to improve product delivery and cyber operational readiness for fielded systems. Additionally, this project has influence over program budgets for acquisition programs of record. General Officer (GO) / SES collaboration is required with key stakeholders across the Army, OSD, and other services, including the U.S. Army Training and Doctrine Command (TRADOC); U.S. Army Futures Command(AFC); Chief Information Officer (CIO); U.S. Army Test and Evaluation Command (ATEC); Deputy Chief of Staff, G-3; Deputy Chief of Staff, G-6; Deputy Chief of Staff, G-2; Army Cyber Command; and U.S. Army Program Executive Officers. The execution of these duties will ultimately change the way the Army delivers capabilities to Soldiers. This Project has full line authority from the ASA(ALT). This Project also provides for			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
engineering efforts that enable the Army's leadership and materiel developers with the necessary modernization planning, System of Systems (SoS) engineering and analysis, technical risk analysis, architectural products, critical path analysis, cybersecurity and interoperability risk analysis and the associated mitigation planning for the Army's materiel portfolio. This Project develops process, products, and policies that ensure a solid Army Systems Engineering construct across Army Program Executive and Management Offices. Key digital transformation efforts include the development of flexible engineering processes, integrated SoS architecture products, and risk mitigation planning to optimize the Army's materiel portfolio. These efforts are enabled by the establishment of modern engineering policies, requirements aligned to CI/CD models, and synchronization of resources and acquisitions to address cross-portfolio challenges. A key focus is placed on cyber security and interoperability to ensure that all systems are secure by design, resilient against cyber threats, and seamlessly integrated across the Army's digital ecosystem. ASA(ALT)'s digital transformation initiatives are revolutionizing how capabilities are developed, delivered, and integrated to meet the demands of modern warfare. data reference architectures are enabling decision dominance by providing commanders with timely, actionable data while eliminating institutional barriers to Continuous Integration/Continuous Delivery (CI/CD) adoption. Modern software practices, such as secure coding principles and Development, Security, and Operations (DevSecOps) methodologies, ensure the delivery of adaptable, cyber-resilient capabilities that are secure by design. Interoperability assessments and compliance frameworks are embedded into the engineering process to guarantee seamless operation across joint and coalition environments, enhancing mission effectiveness and operational cohesion. As the Army embraces digital transformation, data-centricity becomes the backbone of battlefield communication, enabling faster and more informed decision-making. Modernized software practices streamline operational capabilities, while digital engineering ensures seamless integration and adaptability across systems as requirements and technologies evolve. Leading this transformation is the Deputy Assistant Secretary of the Army for Data, Engineering, and Software (DASA(DES)), formerly the Office of the Chief Systems Engineer (OCSE). DASA(DES) is spearheading the development of unified, government-owned data architectures that prevent vendor lock-in, govern the acquisition of data-centric capabilities, and empower commanders with the information they need, when they need it. DASA(DES) is spearheading the implementation of modern software techniques, such as agile development and Development, Security, and Operations (DevSecOps), to deliver faster, more secure, and more effective capabilities. Additionally, ASA(ALT) is driving Digital Engineering as a holistic approach to complex system design that leverages models, data, and modern software practices-to revolutionize how the Army approaches software, data architecture, and product development. Cybersecurity is embedded throughout these efforts, ensuring that systems are protected against adversarial threats while maintaining operational integrity.			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
This project catalyzes, coordinates, and integrates data, engineering, software, and cybersecurity practices throughout the acquisition lifecycle. By prioritizing these practices across ASA(ALT) Programs of Record, the Army ensures rapid, secure, interoperable, and optimal delivery of capabilities to the warfighter. Leveraging open systems architecture concepts, this initiative accelerates modernization, enhances interoperability, and positions the Army to maintain technological superiority against any adversary.			
Title: Engineering Support & Services	6.497	6.497	6.497
Description: This initiative supports the ASA(ALT) Data Steward and performs the duties as the Functional Data Manager in Army Data Environment. Governance Forums including the Army Data Board (ADB), Army Analytics Board (AAB) and JADC2 Working Groups. In addition to representing the ASA(ALT) in Army data forums improving the ASA(ALT) data environment through the establishment of governance forums, standards, policies and implementation guides in order to facilitate rapid and relevant acquisition, logistics and technology decisions. Continuous maturation of Acquisition, Logistics and Technology Domain data ensures that data is available for successful integration and support of product and program life-cycle requirements, additive and advanced manufacturing, DE, product/technical data, intellectual property management, modular open systems approach and other DoD and Army initiatives.			
FY 2025 Plans: This Project supports the ASA(ALT) Data Steward and performs the duties as the Functional Data Manager in Army Data Environment. Governance Forums including the Army Data Board (ADB), Army Analytics Board (AAB) and JADC2 Working Groups. In addition to representing the ASA(ALT) in Army data forums improving the ASA(ALT) data environment through the establishment of governance forums, standards, policies and implementation guides in order to facilitate rapid and relevant acquisition, logistics and technology decisions. Continuous maturation of Acquisition, Logistics and Technology Domain data ensures that data is available for successful integration and support of product and program life-cycle requirements, additive and advanced manufacturing, DE, product/technical data, intellectual property management, modular open systems approach and other DoD and Army initiatives. This Project will advance the state of practice of DE across the ASA(ALT) community. This work will also seek to streamline communications between Government and Industry by identification of technical data and emphasis of appropriate implementation of technical data rights. Through the implementation of DE, coordination with Program Office are underway to institutionalize modern engineering processes and integrate those processes through the engineering data they produce in order to establish and maintain traceability from the activities that drive system concept development through system acquisition, fielding, and sustainment to the decision to divest. The Army's DE implementation will establish a workforce equipped with the necessary skills			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
and infrastructure to achieve this goal. To further the Army's modernization efforts, synchronization with the Army's Modeling and Simulation (M&S) Strategy with OSD's DE Strategy will focus current and emerging efforts on the efficient development and use of M&S and MBSE capabilities in order to advance the Army's system development efforts. This Project has developed a roadmap for the digital transformation of the ASA(ALT) and has begun executing against that plan through the execution of data analytic use cases which delivers incremental value to the ASA(ALT) and the Army at large. To enable digital transformation, this project will develop playbooks for ASA(ALT) programs to leverage as they digitally transform. These playbooks will provide practical examples of how to plan, execute, monitor, and report on programs using modern practices to be applied to existing and future program. This will lower the barrier to entry for those whom are not experienced in modern practices. This project will provide and execute a framework to effectivity digitally transform programs and provide expertise to help with the transformation in the areas of requirements, contracting, testing, cybersecurity and fielding & operations. THIS PROJECT will continue to transform the ASA(ALT)'s business processes in support of its digital and data centric transformation. This Project will enable the Acquisition lead for the implementation of Digital Engineering. ASA (ALT) has developed a Vision for DE and initiated the development and publication of a DE Policy and DE Implementation Guidance that is aligned with the DoD DE Strategy. This Project will enable representation Army Acquisition in OSD DE forums and is the point of contact within the Army for the governance and processes required for the execution of NDAA, DoD, and Army mandates that involve systems and DE. Army collaboration with OSD for systems and DE issues and identifies and advocates for Army equities during the establishment and implementation of DoD policy involving systems engineering. This Project will execute the responsibility for leading a Digital Thread Operational Integrated Product Team (OIPT) with members from across the Army in order to develop the requirement for the Digital Thread in support of the Army modernization. The Digital Thread is a framework that will provide a means to integrate digital artifacts across organizational boundaries and establishes traceability from initial concept through a fielded and supported piece of equipment and system. This Project enables representation by the Acquisition Community at the Army M&S General Officer Steering Committee (GOSC), Council of Colonels (CoC), and other M&S forums. THIS PROJECT provides guidance to PEOs and PMs to plan for the integrated use of M&S throughout the acquisition lifecycle and coordinates M&S activities within the Army Acquisition Community. ***FY 2026 Plans:*** This Project supports the ASA(ALT) Data Steward and performs the duties as the Functional Data Manager in Army Data Environment. Governance Forums including the Army Data Board (ADB), Army Analytics Board (AAB) and JADC2 Working Groups. In addition to representing the ASA(ALT) in Army data forums improving the ASA(ALT) data environment through the establishment of governance forums, standards, policies and implementation guides in order to facilitate rapid and relevant acquisition, logistics and technology decisions. Continuous maturation of Acquisition, Logistics and Technology Domain data			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
ensures that data is available for successful integration and support of product and program life-cycle requirements, additive and advanced manufacturing, DE, product/technical data, intellectual property management, modular open systems approach and other DoD and Army initiatives. This Project will continue to advance the state of practice of DE across the ASA(ALT) community. This work will also seek to streamline communications between Government and Industry by identification of technical data and emphasis of appropriate implementation of technical data rights. Through the implementation of DE, coordination with Program Office are underway to institutionalize modern engineering processes and integrate those processes through the engineering data they produce in order to establish and maintain traceability from the activities that drive system concept development through system acquisition, fielding, and sustainment to the decision to divest. The Army's DE implementation will establish a workforce equipped with the necessary skills and infrastructure to achieve this goal. To further the Army's modernization efforts, synchronization with the Army's Modeling and Simulation (M&S) Strategy with OSD's DE Strategy will focus current and emerging efforts on the efficient development and use of M&S and MBSE capabilities in order to advance the Army's system development efforts. This Project will continue to evolve the ASA(ALT) digital transformation of the ASA(ALT) and continue to execute against that plan through the execution of data analytic use cases which delivers incremental value to the ASA(ALT) and the Army at large. To enable digital transformation, this project will continue to develop playbooks for ASA(ALT) programs to leverage as they digitally transform. These playbooks will provide practical examples of how to plan, execute, monitor, and report on programs using modern practices to be applied to existing and future program. This will lower the barrier to entry for those whom are not experienced in modern practices. This project will continue to provide and execute a framework to effectivity digitally transform programs and provide expertise to help with the transformation in the areas of requirements, contracting, testing, cybersecurity and fielding & operations. THIS PROJECT will continue to transform the ASA(ALT)'s business processes in support of its digital and data centric transformation. This Project will continue to enable the Acquisition lead for the implementation of Digital Engineering. ASA (ALT) will continue to execute the DoD and Army's DE priorities.. This Project will continue to enable representation Army Acquisition in OSD DE forums and is the point of contact within the Army for the governance and processes required for the execution of NDAA, DoD, and Army mandates that involve systems and DE. Army collaboration with OSD for systems and DE issues and identifies and advocates for Army equities during the establishment and implementation of DoD policy involving systems engineering. This Project will continue to execute the responsibility for leading a Digital Thread Operational Integrated Product Team (OIPT) with members from across the Army in order to develop the requirement for the Digital Thread in support of the Army modernization. The Digital Thread is a framework that will provide a means to integrate digital artifacts across organizational boundaries and establishes traceability from initial concept through a fielded and supported piece of equipment and system. This			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Project enables representation by the Acquisition Community at the Army M&S General Officer Steering Committee (GOSC), Council of Colonels (CoC), and other M&S forums. This Project provides guidance to PEOs and PMs to plan for the integrated use of M&S throughout the acquisition lifecycle and coordinates M&S activities within the Army Acquisition Community.			
Title: Strategic Engineering Guidance ***Description:*** This Project will continue in the development of MOSA policy and implementation guidance, in accordance with NDAA FY 2017 2466a/ b/c, that leads to the certification of MOSA in MDAPs. Other responsibilities include confirming that Army programs proceeding to Milestone B have incorporated clearly defined major subsystem interfaces between the major system platform and major system components, between major system components, and between major system platforms, and that these major system interfaces are consistent with the widely supported and consensus-based standards. This Project will continue to provide overarching governance, promulgation, and integration of the programs of record through a cross functional IPT that emphasizes lessons learned and best practices for RAM. Assist programs in the research for root causes of reliability issues and provide detailed assessment along with recommendation to senior leadership. This Project will supervise the major RAM program elements to ensure that operationally focused, achievable, affordable, and testable RAM requirements are included in the requirements documentation and the Department of the Army (DA) decision-making process. Assist in Army staff evaluation of proposed changes to operational systems' RAM characteristics in product improvement programs. As the Army implements the Army's People Strategy, this Project supports the functional lead for Engineering by identifying skills gaps and recommending the needed training. This Project will also promote workforce development efforts to improve the level of systems engineering competency through credentials that provide focused enhanced skills in Digital, Data and Systems engineering, modern agile software development, and Cybersecurity, by developing persona based curriculum that will focus on providing PEOs the ability to effectively manage digitally transformed programs. This Project will include engineering support to OSD and the Army to oversee the growth of civilian talent to support ASA(ALT) Systems Engineering requirements. This includes recommending improvements in Training, Education, Rotational Assignments, and Mentoring for a Systems Engineering (SE) work force across the Army. This office will support ASA(ALT) in the development of the Human Capital Strategic Plan (HCSP) and refinement of the System Engineering Functions with OSD. This Project will lead, plan, integrate and synchronize information cybersecurity efforts across ASA(ALT) including PEOs and headquarters. Identify crosscutting issues and opportunities from across the PEOs requiring ASA(ALT) senior leader attention. Represent ASA(ALT) cybersecurity equities in external stakeholder forums (e.g. Army Cyberspace Council, CIO Executive Board). Review and shape all cyberspace related strategies, policies, and orders affecting ASA(ALT) from OSD, HQDA, and ARCYBER; and elevate issues to the Chief Systems Engineer as needed. Synchronize architectures between enterprise and acquisition systems. Support critical modernization of unsupported software for secure operations. Assist and respond with data call requests,	8.223	8.297	6.559

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
synchronization efforts, and IPRs with DoD CIO and the HQDA G-6, ARCYBER, and the VCSA. Leverage cybersecurity policy as a technology enabler. Fulfill cybersecurity functions mandated by public law, federal directives, and DoD/Army policy. Coordinate, optimize, and monitor Risk Management Framework (RMF) execution among PEOs, assist with common issues requiring senior leader attention, and liaise with CIO and the HQDA G-6. Ensure appropriate transfer of Enterprise Mission Assurance Support Service (eMASS) records for systems that transitioned to sustainment. Serve as approval authority for ASA(ALT) HQ eMASS accounts and Army Training & Certification Tracking System (ATCTS) records, as well as for reviewing and approving system transfers to sustainment in the Army Program Management System (APMS). ASA(ALT) staff point of contact for acquisition concerns related to cyberspace through the Chief Cyber Acquisition Officer. This Project provides ASA(ALT) response to major cyberspace incidents requiring ASA(ALT) Principal leader awareness. This includes but is not limited to coordinating with PEO staffs at all levels in order to analyze requirements/orders, facilitate guidance, present findings/status, and interface with Army Cyber Command (ARCYBER) and/or other HQDA organizations. In accordance with AR 70-75, coordinate Army survivability policy and guidance in Army acquisition efforts related to cyberspace. Represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace. Coordinate and lead an assessment of the ASA(ALT) portfolio to apply a rigorous, systems engineering approach to consider cyber resilience within the Acquisition trade-space (e.g. performance attribute). Identify systemic vulnerabilities and coordinate the development and implementation of enterprise solutions to mitigate those vulnerabilities. Develop and implement a risk-based process to assess the impact of vulnerabilities and assist with prioritization of funding for corrective actions for high risk vulnerabilities. Coordinate with PEO Simulation, Training and Instrumentation (STRI) regarding the certification and implementation of cyber acquisition assessment teams in order to facilitate the reduction of risk across the ASA(ALT) portfolio. Coordinate with PEO staffs on the integration of traditional cybersecurity (risk management framework) and cyber resilience survivability. Coordinate the Cyber Acquisition Task Force to unify strategy and execution of cyber resilience efforts across Army. Synchronize ASA(ALT) cyber resilience strategies with OSD, United States Cyber Command (USCYBERCOM), and joint Service counterparts. NDAA Sec 807 Responsible for the conduct and execution of Post-PDR/CDR and ITRA for all Army ACAT 1/2 programs where the AAE serves as the Milestone Decision Authority (MDA). The reviews will provide recommendations on Technical Risk and PDR/CDR sufficiency, and both will be included in the MDA package for the Milestone Review, approval, and certification. This Project will establish strategic engineering guidance for cyberspace by developing and overseeing the implementation of technical processes and tools. Develop objective architecture (e.g. data structures, warehouses, interactions, products) and drive implementation of Information Security Architectures from a SoS perspective. As needed, coordinate engineering change request to federate existing Army business processes and systems. Synchronize with Army policy/strategy and with mission system owners. As needed, conduct engineering-assessments of crosscutting cyber focused architectures, solutions, and capabilities proposed by Programs of Record, Cross Functional Teams, and Rapid Capabilities and Critical Technologies Office. Increase engineering rigor though policies, processes, tools, and technical oversight across systems and systems-of-systems in order to			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
maximize the cyberspace survivability of the Army Acquisition portfolio. Define, publish, and revise as needed a standardized Cyber Acquisition Discipline Artifact for PMs to demonstrate the repeatable implementation of cyber survivability attributes during decision point reviews. Develop and maintain an Implementation Guidebook to improve awareness and consistency of related planning and execution. Support the AAE in reviewing the Cyber Acquisition Discipline Implementation Assessment during decision reviews for all Acquisition Category 1 and 2 programs, as well as MDAs/DAs for other systems as requested. Lead the development of cyberspace contract language requirements and templates, and publish in policy for the acquisition workforce. IAW AR-70-75, represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace resilience. Serve as HQDA lead responsible for tracking and monitoring cyberspace remediation (find-fix-verify) as recommended by the Department of Defense Office of Inspector General (DODIG). Provide engineering governance for emerging cyberspace related capabilities and advances to include artificial intelligence, cloud-computing governance, Development, Security and Operations (DevSecOps), supply chain risk management, zero trust, etc. Ensure ASA(ALT)'s cyber-related roadmaps align with Army/DoD CIO regarding data, cloud migration, data centers, etc. Analyze requirements and opportunities as well as publish ASA(ALT) internal Technical Bulletins and other information papers to inform PMs. Coordinate with capability developers to establish systems engineering criteria in order to ensure new requirements documents address cyber resilience. Coordinate with Army Materiel Command to establish policy and processes that shall maintain cybersecurity and survivability for programs transitioning to sustainment. Lead, in coordination with HQDA G-3/5/7, the establishment of the materiel component of the cyber readiness framework as an interface between systems and operations, which requires authoritative and accessible data from the acquisition and sustainment communities to reduce operational risk. This Project will serve as the ASA(ALT) lead for System Security Engineering (SSE). Army requires a professional and effective SSE workforce, which is separate from information system security management (ISSM) or network defense functions. SSE contributes to a broad-based, holistic security perspective and focus within the systems engineering (SE) discipline. SSE ensures stakeholder protection needs and security concerns are properly identified and addressed in all engineering stages of the system life cycle. Coordinate with OUSD to define the DoD body of knowledge for SSE. Ensure duties align with prescribed training, experience, and certification. Coordinate appointment and implementation and facilitate collaboration across PEOs through meetings and publications. ***FY 2025 Plans:*** This Project will continue in the development of MOSA policy and implementation guidance, in accordance with NDAA FY 2017 2466a/ b/c, that leads to the certification of MOSA in MDAPs. Other responsibilities include confirming that Army programs proceeding to Milestone B have incorporated clearly defined major subsystem interfaces between the major system platform and major system components, between major system components, and between major system platforms, and that these major system interfaces are consistent with the widely supported and consensus-based standards. This Project will continue			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
to provide overarching governance, promulgation, and integration of the programs of record through a cross functional IPT that emphasizes lessons learned and best practices for RAM. Assist programs in the research for root causes of reliability issues and provide detailed assessment along with recommendation to senior leadership. This Project will supervise the major RAM program elements to ensure that operationally focused, achievable, affordable, and testable RAM requirements are included in the requirements documentation and the Department of the Army (DA) decision-making process. Assist in Army staff evaluation of proposed changes to operational systems' RAM characteristics in product improvement programs. As the Army implements the Army's People Strategy, this Project supports the functional lead for Engineering by identifying skills gaps and recommending the needed training. This Project will also promote workforce development efforts to improve the level of systems engineering competency through credentials that provide focused enhanced skills in Digital, Data and Systems engineering, modern agile software development, and Cybersecurity, by developing persona based curriculum that will focus on providing PEOs the ability to effectively manage digitally transformed programs. This Project will include engineering support to OSD and the Army to oversee the growth of civilian talent to support ASA(ALT) Systems Engineering requirements. This includes recommending improvements in Training, Education, Rotational Assignments, and Mentoring for a Systems Engineering (SE) work force across the Army. This office will support ASA(ALT) in the development of the Human Capital Strategic Plan (HCSP) and refinement of the System Engineering Functions with OSD. This Project will lead, plan, integrate and synchronize information cybersecurity efforts across ASA(ALT) including PEOs and headquarters. Identify crosscutting issues and opportunities from across the PEOs requiring ASA(ALT) senior leader attention. Represent ASA(ALT) cybersecurity equities in external stakeholder forums (e.g. Army Cyberspace Council, CIO Executive Board). Review and shape all cyberspace related strategies, policies, and orders affecting ASA(ALT) from OSD, HQDA, and ARCYBER; and elevate issues to the Chief Systems Engineer as needed. Synchronize architectures between enterprise and acquisition systems. Support critical modernization of unsupported software for secure operations. Assist and respond with data call requests, synchronization efforts, and IPRs with DoD CIO and the HQDA G-6, ARCYBER, and the VCSA. Leverage cybersecurity policy as a technology enabler. Fulfill cybersecurity functions mandated by public law, federal directives, and DoD/Army policy. Coordinate, optimize, and monitor Risk Management Framework (RMF) execution among PEOs, assist with common issues requiring senior leader attention, and liaise with CIO and the HQDA G-6. Ensure appropriate transfer of Enterprise Mission Assurance Support Service (eMASS) records for systems that transitioned to sustainment. Serve as approval authority for ASA(ALT) HQ eMASS accounts and Army Training & Certification Tracking System (ATCTS) records, as well as for reviewing and approving system transfers to sustainment in the Army Program Management System (APMS). ASA(ALT) staff point of contact for acquisition concerns related to cyberspace through the Chief Cyber Acquisition Officer. This Project provides ASA(ALT) response to major cyberspace incidents requiring ASA(ALT) Principal leader awareness. This includes			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
but is not limited to coordinating with PEO staffs at all levels in order to analyze requirements/orders, facilitate guidance, present findings/status, and interface with Army Cyber Command (ARCYBER) and/or other HQDA organizations. In accordance with AR 70-75, coordinate Army survivability policy and guidance in Army acquisition efforts related to cyberspace. Represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace. Coordinate and lead an assessment of the ASA(ALT) portfolio to apply a rigorous, systems engineering approach to consider cyber resilience within the Acquisition trade-space (e.g. performance attribute). Identify systemic vulnerabilities and coordinate the development and implementation of enterprise solutions to mitigate those vulnerabilities. Develop and implement a risk-based process to assess the impact of vulnerabilities and assist with prioritization of funding for corrective actions for high risk vulnerabilities. Coordinate with PEO Simulation, Training and Instrumentation (STRI) regarding the certification and implementation of cyber acquisition assessment teams in order to facilitate the reduction of risk across the ASA(ALT) portfolio. Coordinate with PEO staffs on the integration of traditional cybersecurity (risk management framework) and cyber resilience survivability. Coordinate the Cyber Acquisition Task Force to unify strategy and execution of cyber resilience efforts across Army. Synchronize ASA(ALT) cyber resilience strategies with OSD, United States Cyber Command (USCYBERCOM), and joint Service counterparts. NDAA Sec 807 Responsible for the conduct and execution of Post-PDR/CDR and ITRA for all Army ACAT 1/2 programs where the AAE serves as the Milestone Decision Authority (MDA). The reviews will provide recommendations on Technical Risk and PDR/CDR sufficiency, and both will be included in the MDA package for the Milestone Review, approval, and certification. This Project will establish strategic engineering guidance for cyberspace by developing and overseeing the implementation of technical processes and tools. Develop objective architecture (e.g. data structures, warehouses, interactions, products) and drive implementation of Information Security Architectures from a SoS perspective. As needed, coordinate engineering change request to federate existing Army business processes and systems. Synchronize with Army policy/strategy and with mission system owners. As needed, conduct engineering-assessments of crosscutting cyber focused architectures, solutions, and capabilities proposed by Programs of Record, Cross Functional Teams, and Rapid Capabilities and Critical Technologies Office. Increase engineering rigor though policies, processes, tools, and technical oversight across systems and systems-of-systems in order to maximize the cyberspace survivability of the Army Acquisition portfolio. Define, publish, and revise as needed a standardized Cyber Acquisition Discipline Artifact for PMs to demonstrate the repeatable implementation of cyber survivability attributes during decision point reviews. Develop and maintain an Implementation Guidebook to improve awareness and consistency of related planning and execution. Support the AAE in reviewing the Cyber Acquisition Discipline Implementation Assessment during decision reviews for all Acquisition Category 1 and 2 programs, as well as MDAs/DAs for other systems as requested. Lead the development of cyberspace contract language requirements and templates and publish in policy for the acquisition workforce. IAW AR-70-75, represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace resilience. Serve as HQDA lead responsible for tracking and monitoring cyberspace remediation (find-fix-verify) as recommended by the Department of Defense Office of Inspector General (DODIG). Provide engineering governance for emerging cyberspace			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
related capabilities and advances to include artificial intelligence, cloud-computing governance, Development, Security and Operations (DevSecOps), supply chain risk management, zero trust, etc. Ensure ASA(ALT)'s cyber-related roadmaps align with Army/DoD CIO regarding data, cloud migration, data centers, etc. Analyze requirements and opportunities as well as publish ASA(ALT) internal Technical Bulletins and other information papers to inform PMs. Coordinate with capability developers to establish systems engineering criteria in order to ensure new requirements documents address cyber resilience. Coordinate with Army Materiel Command to establish policy and processes that shall maintain cybersecurity and survivability for programs transitioning to sustainment. Lead, in coordination with HQDA G-3/5/7, the establishment of the materiel component of the cyber readiness framework as an interface between systems and operations, which requires authoritative and accessible data from the acquisition and sustainment communities to reduce operational risk. This Project will serve as the ASA(ALT) lead for System Security Engineering (SSE). Army requires a professional and effective SSE workforce, which is separate from information system security management (ISSM) or network defense functions. SSE contributes to a broad-based, holistic security perspective and focus within the systems engineering (SE) discipline. SSE ensures stakeholder protection needs and security concerns are properly identified and addressed in all engineering stages of the system life cycle. Coordinate with OUSD to define the DoD body of knowledge for SSE. Ensure duties align with prescribed training, experience, and certification. Coordinate appointment and implementation and facilitate collaboration across PEOs through meetings and publications. ***FY 2026 Plans:*** This Project will continue in the development of MOSA policy and implementation guidance, in accordance with NDAA FY 2017 2466a/ b/c, that leads to the certification of MOSA in MDAPs. Other responsibilities include confirming that Army programs proceeding to Milestone B have incorporated clearly defined major subsystem interfaces between the major system platform and major system components, between major system components, and between major system platforms, and that these major system interfaces are consistent with the widely supported and consensus-based standards. This Project will continue to provide overarching governance, promulgation, and integration of the programs of record through a cross functional IPT that emphasizes lessons learned and best practices for RAM. Assist programs in the research for root causes of reliability issues and provide detailed assessment along with recommendation to senior leadership. This Project will supervise the major RAM program elements to ensure that operationally focused, achievable, affordable, and testable RAM requirements are included in the requirements documentation and the Department of the Army (DA) decision-making process. Assist in Army staff evaluation of proposed changes to operational systems' RAM characteristics in product improvement programs. As the Army implements the Army's People Strategy, this Project supports the functional lead for Engineering by identifying skills gaps and recommending the needed training. This Project will also promote workforce development efforts to improve the level of systems engineering competency through credentials that provide focused enhanced skills in Digital, Data and Systems			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
engineering, modern agile software development, and Cybersecurity, by developing persona based curriculum that will focus on providing PEOs the ability to effectively manage digitally transformed programs. This Project will include engineering support to OSD and the Army to oversee the growth of civilian talent to support ASA(ALT) Systems Engineering requirements. This includes recommending improvements in Training, Education, Rotational Assignments, and Mentoring for a Systems Engineering (SE) work force across the Army. This office will support ASA(ALT) in the development of the Human Capital Strategic Plan (HCSP) and refinement of the System Engineering Functions with OSD. This Project will lead, plan, integrate and synchronize information cybersecurity efforts across ASA(ALT) including PEOs and headquarters. Identify crosscutting issues and opportunities from across the PEOs requiring ASA(ALT) senior leader attention. Represent ASA(ALT) cybersecurity equities in external stakeholder forums (e.g. Army Cyberspace Council, CIO Executive Board). Review and shape all cyberspace related strategies, policies, and orders affecting ASA(ALT) from OSD, HQDA, and ARCYBER; and elevate issues to the Chief Systems Engineer as needed. Synchronize architectures between enterprise and acquisition systems. Support critical modernization of unsupported software for secure operations. Assist and respond with data call requests, synchronization efforts, and IPRs with DoD CIO and the HQDA G-6, ARCYBER, and the VCSA. Leverage cybersecurity policy as a technology enabler. Fulfill cybersecurity functions mandated by public law, federal directives, and DoD/Army policy. Coordinate, optimize, and monitor Risk Management Framework (RMF) execution among PEOs, assist with common issues requiring senior leader attention, and liaise with CIO and the HQDA G-6. Ensure appropriate transfer of Enterprise Mission Assurance Support Service (eMASS) records for systems that transitioned to sustainment. Serve as approval authority for ASA(ALT) HQ eMASS accounts and Army Training & Certification Tracking System (ATCTS) records, as well as for reviewing and approving system transfers to sustainment in the Army Program Management System (APMS). ASA(ALT) staff point of contact for acquisition concerns related to cyberspace through the Chief Cyber Acquisition Officer. This Project provides ASA(ALT) response to major cyberspace incidents requiring ASA(ALT) Principal leader awareness. This includes but is not limited to coordinating with PEO staffs at all levels in order to analyze requirements/orders, facilitate guidance, present findings/status, and interface with Army Cyber Command (ARCYBER) and/or other HQDA organizations. In accordance with AR 70-75, coordinate Army survivability policy and guidance in Army acquisition efforts related to cyberspace. Represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace. Coordinate and lead an assessment of the ASA(ALT) portfolio to apply a rigorous, systems engineering approach to consider cyber resilience within the Acquisition trade-space (e.g. performance attribute). Identify systemic vulnerabilities and coordinate the development and implementation of enterprise solutions to mitigate those vulnerabilities. Develop and implement a risk-based process to assess the impact of vulnerabilities and assist with prioritization of funding for corrective actions for high risk vulnerabilities. Coordinate with PEO Simulation, Training and Instrumentation (STRI) regarding the certification and implementation of cyber acquisition assessment teams in order to facilitate the reduction of risk across the ASA(ALT) portfolio. Coordinate with PEO staffs on the integration of			

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Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
traditional cybersecurity (risk management framework) and cyber resilience survivability. Coordinate the Cyber Acquisition Task Force to unify strategy and execution of cyber resilience efforts across Army. Synchronize ASA(ALT) cyber resilience strategies with OSD, United States Cyber Command (USCYBERCOM), and joint Service counterparts. NDAA Sec 807 Responsible for the conduct and execution of Post-PDR/CDR and ITRA for all Army ACAT 1/2 programs where the AAE serves as the Milestone Decision Authority (MDA). The reviews will provide recommendations on Technical Risk and PDR/CDR sufficiency, and both will be included in the MDA package for the Milestone Review, approval, and certification. This Project will establish strategic engineering guidance for cyberspace by developing and overseeing the implementation of technical processes and tools. Develop objective architecture (e.g. data structures, warehouses, interactions, products) and drive implementation of Information Security Architectures from a SoS perspective. As needed, coordinate engineering change request to federate existing Army business processes and systems. Synchronize with Army policy/strategy and with mission system owners. As needed, conduct engineering-assessments of crosscutting cyber focused architectures, solutions, and capabilities proposed by Programs of Record, Cross Functional Teams, and Rapid Capabilities and Critical Technologies Office. Increase engineering rigor though policies, processes, tools, and technical oversight across systems and systems-of-systems in order to maximize the cyberspace survivability of the Army Acquisition portfolio. Define, publish, and revise as needed a standardized Cyber Acquisition Discipline Artifact for PMs to demonstrate the repeatable implementation of cyber survivability attributes during decision point reviews. Develop and maintain an Implementation Guidebook to improve awareness and consistency of related planning and execution. Support the AAE in reviewing the Cyber Acquisition Discipline Implementation Assessment during decision reviews for all Acquisition Category 1 and 2 programs, as well as MDAs/DAs for other systems as requested. Lead the development of cyberspace contract language requirements and templates and publish in policy for the acquisition workforce. IAW AR-70-75, represent HQDA on boards and committees concerning materiel survivability matters related to cyberspace resilience. Serve as HQDA lead responsible for tracking and monitoring cyberspace remediation (find-fix-verify) as recommended by the Department of Defense Office of Inspector General (DODIG). Provide engineering governance for emerging cyberspace related capabilities and advances to include artificial intelligence, cloud-computing governance, Development, Security and Operations (DevSecOps), supply chain risk management, zero trust, etc. Ensure ASA(ALT)'s cyber-related roadmaps align with Army/DoD CIO regarding data, cloud migration, data centers, etc. Analyze requirements and opportunities as well as publish ASA(ALT) internal Technical Bulletins and other information papers to inform PMs. Coordinate with capability developers to establish systems engineering criteria in order to ensure new requirements documents address cyber resilience. Coordinate with Army Materiel Command to establish policy and processes that shall maintain cybersecurity and survivability for programs transitioning to sustainment. Lead, in coordination with HQDA G-3/5/7, the establishment of the materiel component of the cyber readiness framework as an interface between systems and operations, which requires authoritative and accessible data from the acquisition and sustainment communities to reduce operational risk.			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
This Project will serve as the ASA(ALT) lead for System Security Engineering (SSE). Army requires a professional and effective SSE workforce, which is separate from information system security management (ISSM) or network defense functions. SSE contributes to a broad-based, holistic security perspective and focus within the systems engineering (SE) discipline. SSE ensures stakeholder protection needs and security concerns are properly identified and addressed in all engineering stages of the system life cycle. Coordinate with OUSD to define the DoD body of knowledge for SSE. Ensure duties align with prescribed training, experience, and certification. Coordinate appointment and implementation and facilitate collaboration across PEOs through meetings and publications. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to reduction in 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."			
Title: Facilities and IT Support ***Description:*** Provides funding for infrastructure/facilities and IT support. ***FY 2025 Plans:*** Provides funding for infrastructure/facilities and IT support. ***FY 2026 Plans:*** Provides funding for infrastructure/facilities and IT support. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Program activities performed at Aberdeen Proving Ground (MD), Taylor Building (Crystal City, VA), Pentagon (Washington DC). No longer a requirement at TACOM (Warren, MI).	-	0.450	0.154
Title: Cyber Resiliency Mitigations ***Description:*** The Cyber Remediation Contingency Fund (CRCF) is a strategic enabler to accelerate the remediation of emerging cyber vulnerabilities in Army weapon and business systems. Its purpose is to provide resource agility, enabling program offices to address critical vulnerabilities that exceed planned resources and expertise. By moving beyond compliance-based cybersecurity, the CRCF supports both materiel and non-materiel solutions, ensuring the Army can outpace sophisticated threats from malicious actors and nation-state competitors. This capability empowers program offices to jumpstart remediation efforts and enhance resilience across critical modernization investments. This effort is vital to maintaining operational readiness and reducing lifecycle costs associated with delayed vulnerability remediation. ***FY 2025 Plans:***	-	5.000	5.000

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Program Offices will begin cyber vulnerability remediation efforts. These efforts are based on requests to address discovered and enumerated findings from DoD Strategic Cybersecurity Program, Defense Cyber Red Teams, other Defensive Cyberspace Operations, and other assessments. Each specific request (classified) is verified as operationally-relevant and threat-informed. The Office of the ASA(ALT) will oversee execution of specific (classified) efforts, while analyzing urgent, emergent requests for potential reprioritization. The Office will all continue coordination with programs, operational stakeholders, and the intelligence community to capture proposed remediation effort for future year execution. ***FY 2026 Plans:*** Converged Business System Defenses. The Converged Business System Defenses initiative addresses inconsistent monitoring across ABS, particularly at the application layer. This effort will accelerate the convergence of disparate Security Incident and Event Management (SIEM) solutions across Program Executive Offices (PEOs), delivering initial application-level monitoring and analysis capabilities. Validated by the CIO, this initiative will reduce contract duplication costs and improve the Army's ability to detect and respond to cyber threats. By integrating actionable intelligence and enhancing monitoring, this effort is critical to safeguarding Army business systems and ensuring operational continuity. Software Readiness. The Software Readiness initiative will address manual and disparate software delivery processes across PEOs by scaling automated software management and delivery. This effort will onboard programs into the DSO pipeline and software repository for patch storage and delivery, improving visibility and readiness. Operational units will be notified of updates through MIM/MAM, ensuring timely patching and enhanced software reliability. This initiative is essential for maintaining the Army's software systems in a state of readiness to meet operational demands. Formal Methods for Secure Code. The Formal Methods (FM) for Secure Code effort will enhance software assurance by leveraging advanced tools and processes to address threats that traditional methods cannot pace. With DARPA's investment and initial pilots for IBCS/CRS and CECOM software pipelines, this initiative will deliver improved security solutions for Army Integrated Air and Missile Defense (IAMD) capabilities. By introducing "context-aware" software assurance methods, the Army will strengthen its ability to counter sophisticated cyber threats and ensure the resilience of critical systems. This effort is vital to maintaining the security and integrity of Army software platforms in an increasingly contested cyber environment.			
Accomplishments/Planned Programs Subtotals	21.750	26.352	24.318

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

This project does not have any requirement for direct procurement of hardware or software.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604798A / *Brigade Analysis, Integration and Evaluation*	Project (Number/Name) DY7 / *Army Systems Engineering, Architecture & Analysis*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering Governance Core Labor	TBD	Office of the Chief Systems Engineer (OCSE) : Various	1.796	2.020	Oct 2022	2.020	Oct 2024	1.492		-		1.492	Continuing	Continuing	-
Systems Engineering Governance Matrix Labor	TBD	Various : Various	0.822	0.472	Oct 2022	0.373	Oct 2024	0.350		-		0.350	Continuing	Continuing	-
Systems Engineering Governance Contract Labor	TBD	TBD : Various	2.576	5.042	Dec 2023	2.576	Dec 2024	2.579		-		2.579	Continuing	Continuing	-
Systems Engineering Governance FFRDC Labor	TBD	MITRE : Various	1.139	1.139	Oct 2022	1.139	Oct 2024	1.140		-		1.140	Continuing	Continuing	-
Engineering Support and Services Core Labor	TBD	Office of the Chief Systems Engineer (OCSE) : Various	2.105	1.545	Oct 2022	2.305	Oct 2024	1.818		-		1.818	Continuing	Continuing	-
Engineering Support and Services Matrix Labor	TBD	Various : Various	0.940	0.426	Oct 2022	0.426	Oct 2024	0.420		-		0.420	Continuing	Continuing	-
Engineering Support and Services Contract Labor	TBD	TBD : Various	3.478	3.478	Dec 2023	2.938	Dec 2024	2.941		-		2.941	Continuing	Continuing	-
Engineering Support and Services FFRDC Labor	TBD	MITRE : Various	0.680	0.828	Oct 2022	0.828	Oct 2024	0.829		-		0.829	Continuing	Continuing	-
Strategic Engineering Guidance Core Labor	TBD	Office of the Chief Systems Engineer (OCSE) : Various	3.042	1.545	Oct 2022	3.042	Oct 2024	2.350		-		2.350	Continuing	Continuing	-
Strategic Engineering Guidance Matrix Labor	TBD	Various : Various	1.208	0.549	Oct 2022	0.549	Oct 2024	0.534		-		0.534	Continuing	Continuing	-
Strategic Engineering Guidance Contract Labor	TBD	TBD : Various	3.774	3.774	Dec 2023	3.774	Dec 2024	3.778		-		3.778	Continuing	Continuing	-
Strategic Engineering Guidance FFRDC Labor	TBD	MITRE : Various	0.764	0.932	Oct 2022	0.932	Oct 2024	0.933		-		0.933	Continuing	Continuing	-
Cyber Resiliency Mitigation	TBD	TBD : Various	-	-		5.000		5.000		-		5.000	Continuing	Continuing	-
		Subtotal	22.324	21.750		25.902		24.164		-		24.164	Continuing	Continuing	N/A

Remarks

Note: 1

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604798A / *Brigade Analysis, Integration and Evaluation*	Project (Number/Name) DY7 / *Army Systems Engineering, Architecture & Analysis*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
- Program Activities performed at Aberdeen Proving Ground (MD), Taylor Bldg, (Crystal City, VA), Pentagon, (Washington DC), TACOM (Warren, MI)															

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Facilities and IT Support	Option/ Various	Various: Note: 1 : National Capital Region	5.358	-		0.450	Nov 2024	0.154		-		0.154	0.423	6.385	-
		Subtotal	5.358	-		0.450		0.154		-		0.154	0.423	6.385	N/A

Remarks

Note:1

- Program Activities performed at Aberdeen Proving Ground (MD), Taylor Bldg, (Crystal City, VA), Pentagon, (Washington DC), TACOM (Warren, MI)

	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	27.682	21.750		26.352		24.318		-		24.318	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

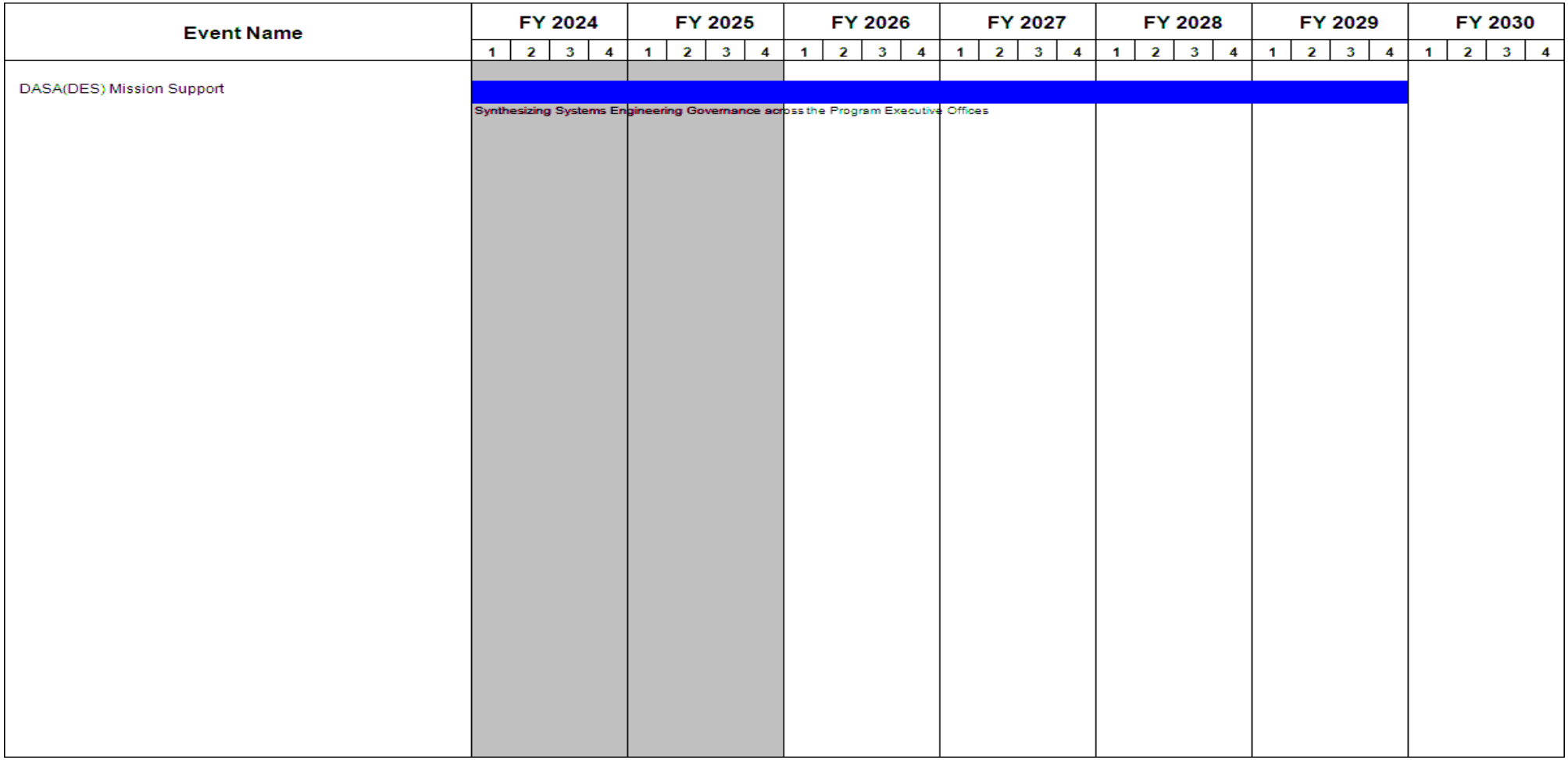


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604798A / *Brigade Analysis, Integration and Evaluation*	**Project (Number/Name)** DY7 / *Army Systems Engineering, Architecture & Analysis*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
DASA(DES) Mission Support	1	2024	4	2029

Note

Capability Set (CS)

Common Operating Environment (COE):
Army Interoperability Certification (AIC), Command Post Computing Environment (CPCE), Critical Design Review (CDR), Mounted Computing Environment (MCE), Network Integration Evaluation (NIE), Operational Test (OT)

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army											Date: June 2025	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng 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	-	270.231	251.949	150.344	-	150.344	-	-	-	-	-	-
BQ3: *155mm Artillery Propulsion XM654*	-	15.895	27.424	-	-	-	-	-	-	-	-	-
BY1: *Next Generation Combat Vehicle Ammunition*	-	35.786	6.272	3.305	-	3.305	-	-	-	-	-	-
CE3: *Precision Munition (Sniper)*	-	-	6.513	4.527	-	4.527	-	-	-	-	-	-
DC9: *30mm MMPA M-SHORAD INC 3*	-	20.245	11.303	17.797	-	17.797	-	-	-	-	-	-
DK8: *155mm Artillery Propulsion Mod - Sys Demonstration*	-	-	-	11.687	-	11.687	-	-	-	-	-	-
EC4: *Non-Standard Simulator Munitions*	-	2.108	0.411	0.412	-	0.412	-	-	-	-	-	-
EL9: *Ammunitions Logistics Prototyping*	-	1.013	1.074	1.073	-	1.073	-	-	-	-	-	-
EP2: *Shoulder-Launched Munitions*	-	2.458	-	-	-	-	-	-	-	-	-	-
EP4: *One-Way Luminescence for Small Caliber Ammo*	-	2.980	-	-	-	-	-	-	-	-	-	-
EP7: *Aviation Airborne Expendable Countermeasures*	-	3.077	5.840	5.720	-	5.720	-	-	-	-	-	-
EU4: *40mm HV Improved High Explosive Dual Purpose*	-	-	1.503	-	-	-	-	-	-	-	-	-
EU6: *155mm HE Rocket Assist Project Extended Range*	-	27.722	15.631	16.302	-	16.302	-	-	-	-	-	-
EW1: *40mm Low Velocity Ammunition*	-	0.079	0.107	-	-	-	-	-	-	-	-	-
FA6: *30mm Lethality*	-	2.904	-	9.863	-	9.863	-	-	-	-	-	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*							
FJ4: *Cannon-Delivered Area Effects Munitions (C-DAEM)*	-	81.966	93.267	-	-	-	-	-	-	-	-	-
FL4: *Small Caliber Ammo for Next Gen Squad Weapons*	-	26.659	20.955	23.081	-	23.081	-	-	-	-	-	-
MS1: *Battalion Mortar System Modernization*	-	-	6.012	28.297	-	28.297	-	-	-	-	-	-
S36: *Precision Guidance Kit*	-	47.339	55.637	13.005	-	13.005	-	-	-	-	-	-
XT6: *Medium Caliber Anti-Personnel and Counter UAS*	-	-	-	15.275	-	15.275	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Multiple Projects within Program Element Weapons and Munitions - Eng Dev, are key enablers of the Army's Cannon Transformation Priorities: 155mm Artillery Propulsion Modernization (Project DK8), 155mm High Explosive Rocket Assisted Projectile Extended Range (Project EU6) and Precision Guidance Kit (Project S36).

Project BQ3, 155MM Artillery Propulsion Supercharge funding will support the Army's Cannon Transformation Strategy, which includes Paladin Integrated Management (PIM) Armament Upgrade and Next Generation Cannon, and all utilized cannons that are 52-calibers or longer; such as the future 58-caliber Extended Range Cannon Artillery (ERCA). Supercharge is a stand-alone top-zone 155 millimeter (mm) propelling charge required to achieve maximum range requirements beyond 50 kilometers (km) from Self-Propelled Howitzer (SPH) equipped with cannon length greater than 52-calibers. Supercharge will achieve lethality overmatch out to 70km from future US-developed and produced Long Range Precision Fires Weapon Systems using both existing and developmental extended range projectiles and will potentially increase range with compatible legacy projectiles up to thirty percent. Supercharge is composed of an earlier bag variant and later combustible cartridge case, integral metal stub case, electrically initiated primer, and advanced artillery propellant. This Project supports the Urgent Materiel Release (UMR) Supercharge (bag configuration) qualification required for fielding an initial capability of two battalions, and also supports the development of the Full Materiel Release (FMR) Supercharge that will address high technology and integration risks unique to achieving extended range to include improved design opportunities for pressure temperature curve, cannon tube wear and ensure fielding robustness. This Project does not have an FY 2026 budget request.

Project BY1, Next Generation Combat Vehicle Ammunition: 50x228 millimeter (mm) family of ammunition is a critical technology development in response to the Next Generation Combat Vehicle (NGCV) Abbreviated Capability Development Document for weapon qualification, platform integration, and fielding of the XM30 Mechanized Infantry Combat Vehicle (MICV) primary weapon system (XM913). This effort includes the development of three capabilities: The XM1202 Target Practice with Tracer (TP-T); the XM1203 Armor Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T); and the XM1204 High Explosive Airburst with Trace (HEAB-T). The training cartridge will allow the Warfighter to train in a cost-effective manner and the tactical cartridges will provide enhanced lethality at increased ranges when engaging personnel threats in the open, defilade, and under the cover of urban structures, Anti-Tank Guided Missiles (ATGM) teams, and current and projected future peer armored materiel threats. This effort is operating under Middle Tier Acquisition authority for rapid prototyping to qualify the three munitions in order to support the NGCV Cross Functional Team (CFT) timeline for First Unit Equipped (FUE). Fiscal Year (FY) 2026 funding supports Developmental Test and Evaluation (DT&E) and Milestone C documentation.

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*

Project CE3, Precision Munition (Sniper): The Precision Munition (Sniper) project is a critical technology development in response to the Precision Munition Capabilities Development Documents (CDD) for the ammunition required to support the Precision Sniper Rifle (PSR) / sniper weapons systems. The objective is to transfer the latest lethality technology into the suite of ammunition used by snipers. The Precision Munition improvement is split into three capability areas: Anti-Materiel (AM), Improved Performance Round (IPR), and Subsonic. The AM and IPR capabilities will enhance lethal effects at greater distances. The Subsonic capability will increase soldier survivability at close range by providing a low-sound signature munition that is undetectable to the enemy. FY 2026 will continue Engineering and Manufacturing Development activities to include a user assessment, Production Qualification Test build and the commencement of Production Qualification Testing (PQT). In FY 2024, Project CE3 / Precision Munition (Sniper) was a Skip-Year.

Project DC9, 30mm Multi-Mode Proximity Airburst (MMPA) Maneuver Short Range Air Defense Increment 3 (M-SHORAD INC 3): The 30mm MMPA M-SHORAD INC 3 / Project DC9 funds the development of the 30mm XM1223 MMPA munition and respective weapon contact setter under the Middle Tier of Acquisition (MTA) authority for rapid prototyping. The objective is to enhance the operational effectiveness of the M-SHORAD Inc 3 platform, Mobile-Low, Slow, Small Unmanned Aircraft Integrated Defeat System (M-LIDS) and any other Joint Force platforms that are equipped with a 30mm weapon system and have a Counter Unmanned Aerial Systems (C-UAS) mission. The programmable fuze modes in the munition include proximity airburst to defeat personnel in the open and small Unmanned Aerial System (UAS) targets, proximity airburst delay to defeat personnel in defilade, gated proximity airburst to minimize collateral damage in cluttered environments, mechanical point detonate to defeat light materiel targets, and self-destruct to minimize collateral damage. The XM1223 will allow the platforms to conduct counter-UAS missions while retaining the ability to quickly transition to ground targets without having to swap ammunition. FY 2026 funds support conducting a Critical Design Review (CDR) and initiating the ammunition build for Developmental Test and Evaluation (DT&E).

Project DK8, 155mm Artillery Propulsion Modernization (System Demonstration) supports the US Army's Cannon Transformation Strategy and system demonstration as well as modernization of propulsion systems for multiple platforms. The propulsion systems under development and modernization include propelling charge, modular charge, propellant, ignition system, and packaging solutions. The propulsion solutions will be integrated into a system of systems capability to ensure interoperability closing fires capability gaps to destroy or neutralize artillery target out to 70 kilometers. The propulsion system program(s) combined with cannon/projectile/fuze enhancements will enable the next generation of propelling charge and ignition systems to extend firing range, improve rate-of-fire and resupply, improve ammunition suitability, enhance lethality of current and future conventional munitions, and enable artillery units to be safe, effective, suitable, and survivable. Novel propulsion technologies will be developed, matured, integrated, and tested into the components of the propelling charges and ignition systems to advance and innovate artillery firing performance and enhance manufacturability of the industrial base. Fiscal Year (FY) 2026 funding will support system demonstration to integrate, verify maturity and iterate enhancement of propelling charge and ignition systems for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.

Project EC4, Non-Standard Simulator Munitions will standardize various pyrotechnics that simulate battlefield effects, develop, demonstrate, and qualify various screening effects in grenades, vehicle launched effects, smoke pots, and signals. The Army's Combat Training Centers (CTCs) are currently using non-standard munitions to replicate both conventional and asymmetric warfare battlefield effects. These modified commercial-off-the-shelf products have not been type-classified or material released and are not safe or sustainable for use by Soldiers. This effort will develop and demonstrate various pyrotechnic simulators and replicate both conventional, asymmetric warfare battlefield effects and munitions such as: Black smoke signature (burning vehicles, buildings, and equipment); Yellow smoke signature

(chemical, biological or nuclear effects); Mini Blast to simulate hostile fire and small Improvised Explosive Devices (IEDs) during mounted operations in urban terrain; Micro pyrotechnics to simulate indoor hostile fire and IED effects that are capable of being integrated into existing facilities; Rocket Propelled Grenade (RPG) simulators to replicate the flight of a Rocket Propelled Grenade; Macro Pyro to simulate hostile fire, booby trap and IED Simulations indoor and outdoors; High Order Blast Effect (HiOBE) used to replicate a Vehicle Borne Improvised Explosive Device (VBIED), building explosions, and other significant explosive events; Artillery airburst simulator to replicate indirect fire; Antitank Guided Missile and Rocket (AGMR) simulator to replicate surface to air missile or shoulder launched rocket; Tracer Fire-back simulator to replicate enemy small arms fire and anti-aircraft fire; Electrically initiated smoke pots and smoke grenades of various colors; Multi-spectral and screening effects of grenades, vehicle launched effects, smoke pots, and signals. Standardization will reduce training costs, eliminate redundancies between systems, mitigate environmental concerns and safety risks associated with realistic scenario-based training and improve screening effects.

Project EL9, Ammunition Logistics Prototyping: This Project supports the future force by maturing and integrating prototypes and commercial off the shelf technologies fully endorsed by the warfighter and associated Combat developers following a system of systems approach. The selected capabilities for continued investment have been proven through warfighter exercises and Soldier touch points to materially improve elements of tactical Ammo transportation, distribution, inventory management, availability and survivability as logistics system enablers within the formation. These enablers will improve the efficiency and effectiveness of ammunition operations, to include retrograde, while reducing the logistics footprint on the battlefield. This project enhances the operational effectiveness of the ammunition logistics system to ensure the distribution of reliable ammunition to the warfighter. Funding will be focused on integrating mature technologies into ammunition resupply enablers and developing interfaces with applicable Program of Records as recommended by the Contested Logistics, Long Range Precision Fires, Next-Generation Combat Vehicles, Soldier Lethality Cross Functional Teams.

Project EP2, Shoulder-Launched Munitions: The XM919 Individual Assault Munitions (IAM) effort will combine the capabilities of the existing M141 Bunker Defeat Munition (BDM) and the M136 Anti-Tank 4 Confined Space - Reduced Sensitivity (AT4CS RS), eliminating the mission risk associated with having to choose between two different capability Shoulder-Launched Munitions (SLMs), reducing the logistics and training burdens associated with multiple systems. IAM consists of the tactical XM919 IAM munition and training devices including the XM922 sub-caliber trainer (SCT), sub-caliber tracer ammunition (SCT Ammo), Field Handling Trainer (FHT), Synthetic Training Environment Live Training System (STE LTS) and Soldier Virtual Trainers (SVT). JPEO A&A is collaborating with PEO STRI to plan for STE LTS and SVT integration within PEO STRI platforms under the SS PEG. The tactical XM919 IAM supports the close fight in urban and complex terrain, allowing Soldiers a fire-from-enclosure (FFE) capability to defeat field expedient structures such as earth and timber bunkers, reinforced concrete, adobe and triple brick walls with behind the wall lethality effects as well as defeating light armored vehicles. The IAM training devices provide an affordable training capability to increase the Soldier's proficiency and integration of the XM919 tactical system into combat operations. The XM919 IAM supports the Army's Soldier Lethality Modernization Line of Effort (LOE) by providing multi-target capability and reducing training & logistics burden associated with two systems, while providing tactical innovation capable of extending overmatch against peer/near-peer adversaries in a joint, multi-domain, high-intensity conflict.

Project EP4, One-Way Luminescence for Small Caliber Ammo: The One Way Luminescence (OWL) project is a critical technology development in response to the 7.62 millimeter (mm) and 5.56mm Families of Ammunition Capabilities Development Documents (CDD). Current small caliber ammunition tracer rounds are a pyrotechnic tracer mix which provides a visible light signature through its trajectory with a limited view during its early trajectory. The visible signature provides visibility of fire out to 900 meters and a limited view visible signature to the shooter only for 300m. The OWL projects objective is to develop and field a full tracer round, replace the current pyrotechnic cartridges with trace cartridges that are only visible to the shooter and soldiers in close proximity, increasing soldier survivability, and increasing lethality by

incorporating Enhanced Performance Round (EPR) technology into the new tracer ammunition. 7.62mm and 5.56mm are the immediate focus; later followed by 6.8mm Family of Ammunition. There is no FY 2026 request as program transitions from development to production.

Project EP7, Aviation Airborne Expendable Countermeasures (AAECM) will support Integrated System Design (ISD), System Capability (SC) and Manufacturing Process Demonstrations (MPD) on expendable countermeasure flares and decoys to include the XM215 Infrared (IR) countermeasure Flare and XM20 Radio Frequency (RF) expendables. These expendable countermeasures systems are an essential part of survivability equipment for Army aircraft. Army Research Development Technology & Evaluation (RDT&E) efforts are coordinated with Program Executive Office (PEO) Aviation to address the AAECM capability, a critical enabler for enduring aircraft and the Future Vertical Lift (FVL) - Aircraft Survivability Equipment (ASE) Cross Functional Team (CFT) within Army's Top modernization priorities. These advanced decoys will address deficiencies in Army aircraft protection and the safety of its aircrews against advanced Man-Portable Air Defense Systems (MANPADS) and Surface-to-Air Missiles (SAM) systems. The project will also support ISD, SC and MPD on new expendable countermeasure munitions that will protect Army aircraft from advanced and proliferated current guided missile threats. Activities include modeling and simulation, flight testing, qualification testing, environmental considerations, safety enhancements, manufacturing enhancements, qualification of other service and foreign munitions that could meet current requirements, product improvements, insertion of new technologies to increase performance, and enhancement of current flare solutions for new and existing aircraft. Systems include impulse cartridges and aircraft expendables (to include RF expendables).

Project EU4, 40 millimeter (mm) High Velocity (HV) High Explosive Dual Purpose - Air burst (HEDP-AB): 40 millimeter (mm) High Velocity (HV) High Explosive Dual Purpose - Air burst (HEDP-AB) is a new capability identified as a Warfighter counter-defilade requirement in the 40mm High Velocity Improved High Explosive Dual Purpose Cartridge Capability Development Document (CDD) and will provide the Mk19 Mod 3 Grenade Machine Gun (GMG) an airburst capable cartridge with the ability of achieving required lethal effects against enemy targets in the open and in defilade while maintaining the capability to defeat unarmored and lightly armored vehicles. XM1176 HEDP-AB cartridges are manufactured by de-fuzing legacy M430A1 cartridges and installing a new airburst capable fuze onto the M430A1 warhead. In FY 2024, Project EU4 / 40mm HV Improved High Explosive Dual Purpose was a Skip-Year. In FY 2026 there is no funding request.

Project EU6, The 155 millimeter (mm) Next Generation Rocket Assisted Projectile (NGRAP) supports the modernization priorities identified in the Army's Cannon Transformation Strategy. This Project develops an innovative rocket design with a lethal warhead that is compatible with unguided and guided fuzes to meet extended range and accuracy requirements. The NGRAP will first deliver a solution to increase ranges from 30km to 40km in current 39 caliber systems. The NGRAP develops improved accuracy, lethality, and ranges utilizing 39 and Extended Range Cannons. FY (Fiscal Year) 2026 funding will support engineering efforts to assess technical designs and maturation in support of the Engineering and Manufacturing Development (EMD) phase of NGRAP.

Project EW1, 40 millimeter (mm) Low Velocity High Explosive Air Burst (LV-HEAB): The 40 millimeter (mm) Low Velocity High Explosive Air Burst (HEAB) is a new capability identified as a Warfighter counter-defilade requirement in the Capability Development Document (CDD), 40mm Low Velocity (LV) Family of Ammunition Annex. The HEAB tactical cartridge allows the Warfighter to engage targets at increased effective ranges using the 40mm M320 Grenade Launcher. The HEAB cartridge provides the grenadier with a higher probability of achieving a first shot kill against enemy personnel, coupled with the ability to defeat personnel targets in defilade positions. When deployed against point and area targets, the cartridge inflicts incapacitating effects against personnel beyond those offered by the current M433 High Explosive Dual Purpose (HEDP) cartridge. The cartridge provides lethal effects against targets with improved accuracy and greater standoff ranges resulting in increased soldier survivability. In FY 2026 there is no funding request.

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*

Project FA6, 30mm Lethality: The 30 millimeter (mm) Lethality project funds the development of the family of 30mm cartridges, to provide anti-personnel effects, counter defilade, anti-materiel and counter unmanned aerial systems (C-UAS). This ammunition will increase the effectiveness and lethality for all platforms equipped with a medium caliber 30mm weapon system to include the Stryker Infantry Carrier Vehicle (ICV) and proposed Next Generation Combat Vehicle (NGCV) variants. The tactical Armor Piercing cartridge will provide an organic direct fire capability to support infantry at a greater range and will improve lethality when engaging light-to-medium armored vehicles. The airburst cartridge will provide the Warfighter with increased lethality against troops in the open, counter defilade, Anti-Tank Guided Missile (ATGM) teams, troops behind urban structures and counter unmanned aerial systems . The training cartridges will be ballistically matched to the tactical cartridges, allowing the Warfighter to train in a cost-effective manner, and on CONUS and OCONUS training ranges. In FY 2026, this project FA6 / 30mm Lethality will support Developmental Test and Evaluation (DT&E), Live Fire Test and Evaluation (LFT&E), and Milestone C preparation for the Armor Piercing (AP) cartridge and obtain test hardware, conduct Live Fire Test and Evaluation (LFT&E), and Lethality Assessment Capstone Event (LACE) for the High Explosive Airburst (HEAB) cartridge.

Project FJ4, Cannon-Delivered Area Effects Munitions (C-DAEM): The Cannon-Delivered Area Effects Munitions (C-DAEM) Project will provide United States (U.S.) ground forces with the capability to engage area personnel through armored targets, while denying threat forces full operational freedom within the targeted area. An Analysis of Alternatives (AoA) was completed in January 2018 to inform Army acquisition and investment decisions regarding replacement of the current stockpile of 155 millimeter (mm) Dual Purpose Improved Conventional Munitions (DPICM) with Department of Defense (DoD) policy compliant munitions and address anti-armor and extended range capability requirements. The Army validated two materiel solutions for C-DAEM to be pursued in parallel to support the Army's modernization priorities: C-DAEM Armor and C-DAEM DPICM Replacement. C-DAEM Armor will destroy moved and moving self-propelled howitzers, infantry fighting vehicles and tanks. C-DAEM DPICM Replacement will destroy personnel through soft-skinned targets. This Project does not have a FY 2026 budget request.

Project FL4, Small Caliber Ammo for Next Gen Squad Weapons: The Small Caliber Ammo for Next Gen Squad Weapons project is a critical technology development in response to the Soldier Lethality Cross Functional Team (SL CFT) Initial Capability Document (ICD) for the ammunition required to support the rapid prototyping, development, and fielding of the Next Generation Squad Weapons (NGSW) under the Middle Tier of Acquisition (MTA) authority for rapid prototyping/rapid fielding. The objective is to develop and Full Materiel Release (FMR) the new 6.8mm ammunition in parallel with the NGSW rifle and automatic rifle. The 6.8mm ammunition is split into multiple ammunition variants, the General Purpose (GP), the Special Purpose (SP), the Reduced Range Ammunition (RRA), Tracer Ammunition, Blank Ammunition, the Close Combat Mission Capability Kit (CCMCK) training ammunition, Drill Dummy Inert (DDI) cartridge, and High-Pressure Test (HPT) cartridge. FY 2026 funding will support SP Live Fire Test and Evaluation (LFT&E), RRA production qualification build and testing, CCMCK prototype build and developmental tests, optimization efforts, and activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA).

Project MS1, Battalion Mortar System Modernization: The Battalion Mortar System Modernization Project supports the development of modernized Mortar Weapon Systems to support Infantry Brigade Combat Teams (IBCTs) and Armored Brigade Combat Teams (ABCTs). Efforts include development and qualification of modernized mortar systems and their required components to include fire control and ammunition that will increase lethality, survivability, mobility and readiness. The weapon and fire control will be used as a standalone man-portable system with digital fire control capability or as a modular system that can be hoisted onto light tactical vehicles such as the High Mobility Multipurpose Wheeled Vehicle (HMMWV), the Infantry Squad Vehicle (ISV) and/or Joint Lightweight Tactical Vehicle (JLTV) when a mobility kit is utilized. This modernized system will increase survivability, maneuverability, and provide tactical advantage to the Warfighter when matched with pacing threat for direct and indirect fire and will provide overmatching capabilities. Initial characterization efforts will establish a firm foundation for proposed advanced indirect

fire systems while allowing for incremental improvements and updates as technologies continue to mature, which will maintain and enhance performance, improve lethality, responsiveness, and reliability of indirect fire systems across the required spectrum of military operations. Fiscal Year (FY) 2026 funding will support the design and development of a next generation 81mm mortar weapon and fire control system that can be hosted on a light tactical vehicle when integrated with a mobility system.

Project S36, The Precision Guidance Kit (PGK): The Precision Guidance Kit (PGK) Project supports development efforts that will qualify state of the art technologies for a course correcting fuze that provides precision accuracy at extended ranges for current and future 155-millimeter (mm) High Explosive (HE) projectiles by eliminating a portion of the inherent errors associated with ballistic firing solutions, which effectively reduces the number of projectiles required to execute fire missions. The precision course correcting fuze will support projectile operation in Global Positioning System (GPS) degraded environments in support of the Army's Cannon Transformation Strategy. All 39-caliber weapon systems and modernized Self-Propelled and Towed Howitzer weapon systems with cannon lengths greater than or equal to 52-caliber and new long-range projectiles require the precision course correcting fuze to meet lethality requirements. FY 2026 funding will continue to support the fabrication of LR-PGK hardware, safety and development testing.

Project XT6, Medium Caliber Anti-Personnel and Counter UAS: The Anti-Personnel and Counter Unmanned Aerial Systems (UAS) munitions provide increased lethality through proximity airburst effects against personnel, small Unmanned Aerial Systems (UAS), and small boats without requiring modification to the platform. Airburst capability is identified as a threshold Key System Attribute (KSA) in Apache Block 3 Capability Production Document (CPD) - Approved 14 June 2017, and counter-UAS capability is identified in other cannon caliber Operational Need Statements (ONSs) and Capability Development Documents (CDDs). Fiscal Year (FY) 2026 funds support procuring long lead materials for munition development, conduct preliminary design review, and live fire design engineering test of 30x113mm Aviation Proximity Explosive (APEX) munition in support of Full Materiel Release and technology maturation, munition development, prototype builds, conduct engineering tests for 25mm Bradley Aerial Defeat Ground Enhanced Round (BADGER) munition in support of Urgent Materiel Release, and achievement of Milestone B (MS-B).

The FY 2026 request for Radar Development includes $53,226 thousand of discretionary and $18,000 thousand of mandatory (reconciliation) for a total of $71,226 thousand. The mandatory funds will develop and implement new signal processing techniques and waveforms to enhance Electronic Attack and Electronic Protect techniques based on the evolving threat, further enhancing radar survival and effectiveness in contested environments; mandatory funds will also develop Fixed Site capability for defense of the homeland. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.

The FY 2026 request was reduced by $0.393 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 cost of the XM1223 30mm Multi-Mode Proximity Airburst (MMPA) Middle Tier of Acquisition effort is $17.9 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604802A *I Weapons and Munitions - Eng Dev*

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	243.851	242.949	204.560	-	204.560
Current President's Budget	270.231	251.949	150.344	-	150.344
Total Adjustments	26.380	9.000	-54.216	-	-54.216
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	35.281	9.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-			
• SBIR/STTR Transfer	-8.900	-			
• Adjustments to Budget Years	-	-	-54.216	-	-54.216

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2024	FY 2025
Project: BY1: *Next Generation Combat Vehicle Ammunition*		
Congressional Add: *OMFV ammunition*	3.000	-
Congressional Add Subtotals for Project: BY1	3.000	-
Project: DC9: *30mm MMPA M-SHORAD INC 3*		
Congressional Add: *Multi-Mode Proximity Airburst for Counter-UAS*	2.000	-
Congressional Add Subtotals for Project: DC9	2.000	-
Project: FL4: *Small Caliber Ammo for Next Gen Squad Weapons*		
Congressional Add: *Hybrid Ammunition Manufacturing for Next-Generation Squad Weapons*	10.181	-
Congressional Add: *Digital Engineering for Tungsten Carbide Ammunition*	5.100	-
Congressional Add: *Defense Munitions Proving Ground*	-	9.000
Congressional Add Subtotals for Project: FL4	15.281	9.000
Project: S36: *Precision Guidance Kit*		
Congressional Add: *LR-PGK Acceleration*	10.000	-
Congressional Add: *Low Drag Artillery Guidance Kit*	5.000	-

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604802A *I Weapons and Munitions - Eng Dev*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2024	FY 2025
Congressional Add Subtotals for Project: S36	15.000	-
Congressional Add Totals for all Projects	35.281	9.000

Change Summary Explanation

Decrease in FY 2026 funding from the previous PB to the current PB due to decreased costs for Aviation Airborne Expendable Countermeasures supporting Integrated System Design (ISD), System Capability (SC) and Manufacturing Process Demonstrations (MPD) on expendable countermeasure flares and decoys to include the XM215 Infrared (IR) countermeasure Flare and XM20 Radio Frequency (RF) expendables.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BQ3 / *155mm Artillery Propulsion XM654*	

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
BQ3: *155mm Artillery Propulsion XM654*	-	15.895	27.424	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In Fiscal Year 2026, funding was realigned within PE 0604802A / Weapons and Munitions - Eng Dev from project BQ3 / 155mm Artillery Propulsion XM654 to project DK8 / 155mm Artillery Propulsion Mod - Sys Demonstration.

A. Mission Description and Budget Item Justification

155MM Artillery Propulsion Supercharge funding will support the Army's Cannon Transformation Strategy, which includes Paladin Integrated Management (PIM) Armament Upgrade and Next Generation Cannon, and all utilized cannons that are 52-calibers or longer. Supercharge is a stand-alone top-zone 155 millimeter (mm) propelling charge required to achieve maximum range requirements beyond 50 kilometers (km) from Self-Propelled Howitzer (SPH) equipped with cannon length greater than 52-calibers. Supercharge will achieve lethality overmatch out to 70km from future US-developed and produced Long Range Precision Fires Weapon Systems using both existing and developmental extended range projectiles and will potentially increase range with compatible legacy projectiles up to thirty percent. Supercharge is composed of an earlier bag variant and later combustible cartridge case, integral metal stub case, electrically initiated primer, and advanced artillery propellant. This Project supports the Urgent Materiel Release (UMR) Supercharge (bag configuration) qualification required for fielding an initial capability of two battalions, and also supports the development of the Full Materiel Release (FMR) Supercharge that will address high technology and integration risks unique to achieving extended range to include improved design opportunities for pressure temperature curve, cannon tube wear and ensure fielding robustness. This project does not have an FY 2026 budget request.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 155mm Artillery Propulsion Supercharge	15.895	27.424	-	-	-
Description: 155MM Artillery Propulsion Supercharge is a stand-alone top-zone 155 millimeter (mm) propelling charge required to achieve maximum range requirements beyond 50 kilometers (km) from Self-Propelled Howitzer (SPH) equipped with cannon length greater than 52-calibers.					
FY 2025 Plans: FY 2025 funding will support 155MM Artillery Propulsion Supercharge component development, propellant development (formulation trade studies and iterative prototype testing), improve propellant manufacturing (key					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BQ3 / *155mm Artillery Propulsion XM654*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
parameters and in-process tools), and configuration testing of artillery propulsion charges and primers in support of the Army's Cannon Modernization Strategy. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to efforts realigning from Project BQ3 /155mm Artillery Propulsion XM654 to Project DK8 / 155mm Artillery Propulsion Mod - Sys Demonstration to support the Army's Cannon Transformation Strategy.					
Accomplishments/Planned Programs Subtotals	15.895	27.424	-	-	-

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
• E99350: *155MM ARTILLERY SUPERCHARGE*	-	-	-	-	-	-	-	-	-		

Remarks

A Procurement of Ammunition, Army (PAA) budget line item, Standard Study Number (SSN) E99350, will resource procurement of the Supercharge to deliver extended range capability beyond 50km to support the Army's Cannon Modernization Strategy that includes PIM Armament Upgrade, Next Generation Cannon, ERCA and 155mm Artillery Propulsion Mod - Sys Demonstration (DK8) for fielding an initial capability of two battalions as well as future Urgent Materiel Release (UMR) and Full Materiel Release (FMR) quantities.

D. Acquisition Strategy

The 155MM Artillery Propulsion Supercharge Project consists of critical technology prototyping, testing, and demonstration of two variants: (1) the UMR Supercharge (2-piece Bag configuration) to deliver extended range capability beyond 50km to support the Cannon Modernization Strategy that includes PIM Armament Upgrade, Next Generation Cannon, the FMR Supercharge, which will address high technology and integration risks unique to achieving increased range.

The UMR Supercharge will utilize several competitively awarded Defense Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) Initiatives for the maturation and integration of components. These contracts will execute UMR Supercharge through qualification testing as well as transition to procurement of quantities required for fielding an initial capability of two battalions. Federal Acquisition Regulation (FAR) based production contract(s) will be awarded for UMR quantities.

The FMR Supercharge will also utilize several competitively awarded DOTC OTA Initiatives for design risk reduction of the various new and existing Supercharge components, system integration, developmental testing and qualification. Propulsion risk reduction activities will be applied to address UMR Supercharge temperature sensitivity, energy, tube wear, rough handling robustness and muzzle pressure/blast overpressure. FAR based production contract(s) will be awarded.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BQ3 / *155mm Artillery Propulsion XM654*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	0.600	0.300	Oct 2023	0.350	Oct 2024	-		-		-	0.000	1.250	-
		Subtotal	0.600	0.300		0.350		-		-		-	0.000	1.250	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Combustible Case Components	MIPR	DoD Ordnance Technology Consortium (DOTC): Armtec : Coachella, CA	7.259	1.500	Nov 2023	1.200	Oct 2024	-		-		-	0.000	9.959	-
Main Charge Propellants	MIPR	DoD Ordnance Technology Consortium (DOTC): General Dynamics Ordnance and Tactical Systems - Valleyfield : Salaberry-de-Valleyfield, Quebec, Canada	7.161	2.220	Nov 2023	15.040	Oct 2024	-		-		-	0.000	24.421	-
Electric Primers	MIPR	Day & Zimmermann Lone Star LLC : Texarkana, TX	0.650	0.200	Mar 2024	0.300	Mar 2025	-		-		-	0.000	1.150	-
Packaging	MIPR	DoD Ordnance Technology Consortium (DOTC): Savit Corporation : Rockaway, NJ	1.072	0.151	Mar 2024	0.754	Mar 2025	-		-		-	0.000	1.977	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BQ3 / *155mm Artillery Propulsion XM654*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Main Load Assemble & Pack	MIPR	DoD Ordnance Technology Consortium (DOTC): General Dynamics Ordnance and Tactical Systems - Marion, IL : Marion, IL	4.150	0.417	Nov 2023	-		-		-		-	0.000	4.567	-
Supercharge FMR Risk Reduction	Various	Various : Various	6.953	2.424	Mar 2024	4.100	Mar 2025	-		-		-	0.000	13.477	-
Projectile and Fuze Hardware	Various	Various : Various	8.735	1.069	Mar 2024	-		-		-		-	0.000	9.804	-
Software Engineering	Reqn	Leidos, Inc. : Reston, Virginia	2.550	0.500	Aug 2024	-		-		-		-	0.000	3.050	-
		Subtotal	38.530	8.481		21.394		-		-		-	0.000	68.405	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	7.103	5.469	Nov 2023	4.430	Oct 2024	-		-		-	0.000	17.002	-
		Subtotal	7.103	5.469		4.430		-		-		-	0.000	17.002	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Supercharge FMR Testing	MIPR	Army Test & Evaluation Command (ATEC):	1.779	0.795	Nov 2023	1.250	Oct 2024	-		-		-	0.000	3.824	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BQ3 / *155mm Artillery Propulsion XM654*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Yuma Proving Ground : Yuma, AZ													
Supercharge Qualification	MIPR	Various : Various	-	0.850	Nov 2023	-		-		-		-	0.000	0.850	-
		Subtotal	1.779	1.645		1.250		-		-		-	0.000	4.674	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	48.012	15.895		27.424		-		-		-	0.000	91.331	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BQ3 / *155mm Artillery Propulsion XM654*

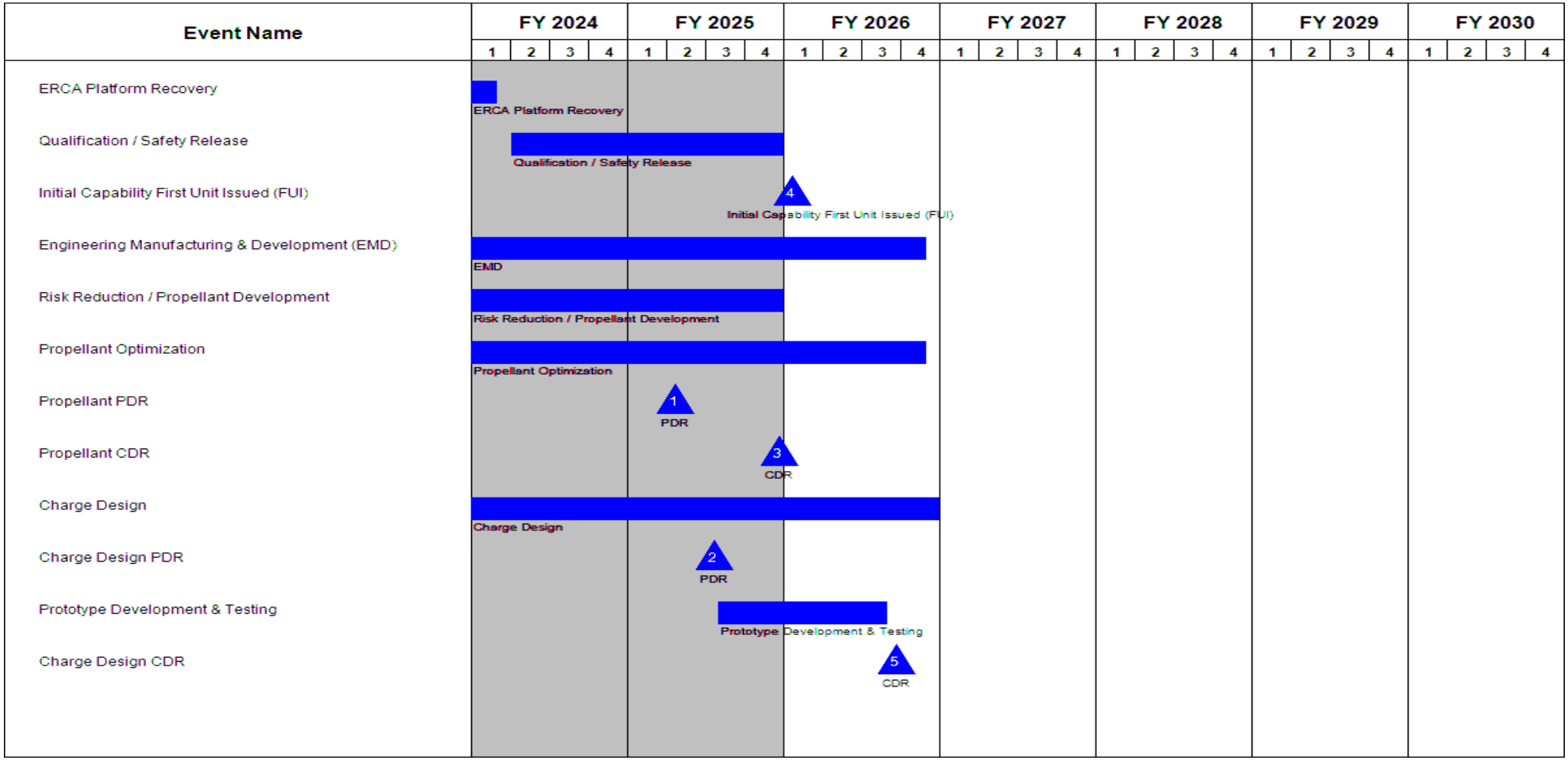


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BQ3 / *155mm Artillery Propulsion XM654*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Urgent Materiel Release (UMR) Supercharge	1	2022	4	2023
Preliminary Design Review (PDR)	1	2021	1	2021
UMR Prototype Development & Testing	1	2021	2	2022
Qualification Testing for Safety Release	1	2022	2	2023
Critical Design Review (CDR)	3	2022	3	2022
ERCA Platform Recovery	2	2023	1	2024
Decision Point (DP) / Contract Award	4	2023	4	2023
Qualification / Safety Release	2	2024	4	2025
Initial Capability First Unit Issued (FUI)	1	2026	1	2026
Engineering Manufacturing & Development (EMD)	2	2022	4	2026
Risk Reduction / Propellant Development	3	2023	4	2025
Propellant Optimization	2	2022	4	2026
Propellant PDR	2	2025	2	2025
Propellant CDR	4	2025	4	2025
Charge Design	2	2022	4	2026
Charge Design PDR	3	2025	3	2025
Prototype Development & Testing	3	2025	3	2026
Charge Design CDR	3	2026	3	2026

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BY1 / *Next Generation Combat Vehicle Ammunition*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BY1: *Next Generation Combat Vehicle Ammunition*	-	35.786	6.272	3.305	-	3.305	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

50x228 millimeter (mm) family of ammunition is a critical technology development in response to the Next Generation Combat Vehicle (NGCV) Abbreviated Capability Development Document for weapon qualification, platform integration, and fielding of the XM30 Mechanized Infantry Combat Vehicle (MICV) primary weapon system (XM913). This effort includes the development of three capabilities: The XM1202 Target Practice with Tracer (TP-T); the XM1203 Armor Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T); and the XM1204 High Explosive Airburst with Trace (HEAB-T). The training cartridge will allow the Warfighter to train in a cost-effective manner and the tactical cartridges will provide enhanced lethality at increased ranges when engaging personnel threats in the open, defilade, and under the cover of urban structures, Anti-Tank Guided Missiles (ATGM) teams, and current and projected future peer armored materiel threats. This effort is operating under Middle Tier Acquisition authority for rapid prototyping to qualify the three munitions in order to support the NGCV Cross Functional Team (CFT) timeline for First Unit Equipped (FUE). Fiscal Year (FY) 2026 funding supports Developmental Test and Evaluation (DT&E) and Milestone C documentation.

The total cost of the Next Generation Combat Vehicle Ammunition (NGCV) Middle Tier of Acquisition effort is $122.610 million RDT&E from FY2021 to FY2025. The program is fully funded across the Future Years Defense Program (FYDP).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 50x228mm Ammunition Development	32.786	6.043	3.305	-	3.305
Description: Qualify 50mm Target Practice with Tracer (TP-T), Armor Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T), and High Explosive Airburst with Tracer (HEAB-T) ammunition through the rapid prototyping phase.					
FY 2025 Plans: FY 2025 funds support conducting the Developmental Test & Evaluation (DT&E) Build.					
FY 2026 Base Plans: Fiscal Year (FY) 2026 funding supports Developmental Test and Evaluation (DT&E) and Milestone C documentation.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2026 funding decrease due to XM1202 and XM1203 reaching Milestone C (MSC) and transitioning into Low Rate Production (LRIP).					
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638	-	0.229	-	-	-
Accomplishments/Planned Programs Subtotals	32.786	6.272	3.305	-	3.305

	FY 2024	FY 2025
Congressional Add: OMFV ammunition	3.000	-
FY 2024 Accomplishments: Funds placed on the XM1203 DOTC contract to supplement the base dollars to procure hardware assets to complete qualification with the DT&E test event at Yuma Proving Ground (YPG) scheduled to begin end of 4QFY24.		
Congressional Adds Subtotals	3.000	-

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• E80011: *CARTRIDGE, 50 MILLIMETER TP-T*	28.000	20.006	5.329	-	5.329	-	-	-	-	-	-
• E80012: *CARTRIDGE, 50 MILLIMETER HEAB-T*	-	-	-	-	-	-	-	-	-		
• E80013: *CARTRIDGE, 50 MILLIMETER APFSDS-T*	-	-	36.802	-	36.802	-	-	-	-	-	-

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

D. Acquisition Strategy

Department of Defense Ordnance and Technology Consortium (DOTC) Other Transaction Agreements (OTAs) will be used for rapid prototyping on the three 50 x 228mm ammunition variants: TP-T, APFSDS-T, and HEAB-T. This will consist of Design Engineering Testing (DET), technical reviews, and Developmental Test and Evaluation (DT&E). For APFSDS-T, one contractor was awarded and will complete the rapid prototyping process. For TP-T two contractors were awarded and will complete rapid prototyping process. For HEAB-T, two contractors were awarded rapid prototyping agreements and a down selection decision was made in early FY 2025; one HEAB-T contractor will complete the rapid prototyping process. The DOTC agreements will conclude upon achieving Milestone C for each cartridge: TP-T in FY 2024; APFSDS-T in FY 2026; and HEAB-T in FY 2027.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BY1 / *Next Generation Combat Vehicle Ammunition*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.229		-		-		-	0.000	0.229	-
		Subtotal	-	-		0.229		-		-		-	0.000	0.229	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
50x228mm APFSDS-T Ammunition Development & Test Evaluation Hardware Contract	C/CPFF	General Dynamics Ordnance and Tactical Systems (GDOTS) : Marion, Illinois	8.801	4.600	Aug 2024	-		-		-		-	Continuing	Continuing	Continuing
50x228mm HEAB-T Ammunition Design Engineering Test Hardware Contract	C/CPFF	General Dynamics Ordnance and Tactical Systems : Marion, Illinois	18.659	9.550	Jan 2024	-		-		-		-	Continuing	Continuing	Continuing
50x228mm HEAB-T Ammunition Design Engineering Test Hardware Contract	C/CPFF	Northrop Grumman Innovation Systems (NGIS) : Plymouth, MN	16.199	9.350	Jan 2024	-		-		-		-	Continuing	Continuing	Continuing
50x228mm HEAB-T Ammunition Design Engineering Test Hardware Contract Down-select	C/CPFF	Northrop Grumman Innovation Systems (NGIS) : Plymouth, MN	-	-		1.015	Oct 2024	-		-		-	Continuing	Continuing	Continuing
50X228 HEAB-T Warhead Fabrication Optimization	Option/ CPFF	Combat Capabilities Development Command - Chemical Biological Center (CCDC-CBC) : Rock Island, Il	3.756	4.050	Jan 2024	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	47.415	27.550		1.015		-		-		-	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) BY1 / *Next Generation Combat Vehicle Ammunition*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
50x228mm Ammo Engineering Support	MIPR	Development Command - Armaments Center (DEVCOM - AC) : Picatinny Arsenal, NJ	10.547	3.090	Nov 2023	2.963	Jan 2025	2.505	Jan 2026	-		2.505	Continuing	Continuing	Continuing
		Subtotal	10.547	3.090		2.963		2.505		-		2.505	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
50x228mm Developmental Test and Evaluation (DT&E)	MIPR	Aberdeen Proving Ground (APG) : Aberdeen, MD	3.209	5.146	Nov 2023	2.065	Mar 2025	0.800	Jan 2026	-		0.800	Continuing	Continuing	Continuing
		Subtotal	3.209	5.146		2.065		0.800		-		0.800	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	61.171	35.786		6.272		3.305		-		3.305	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

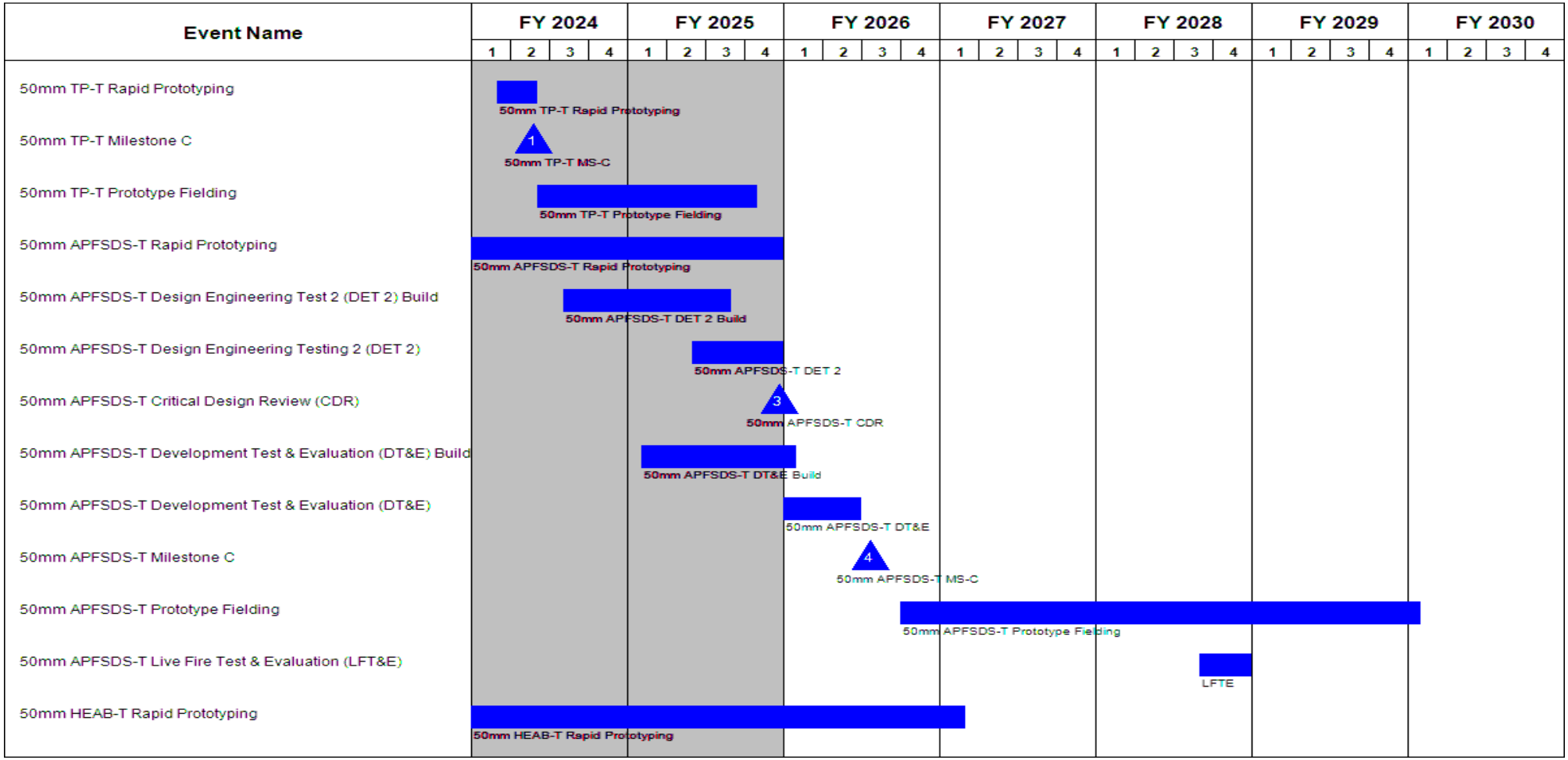


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

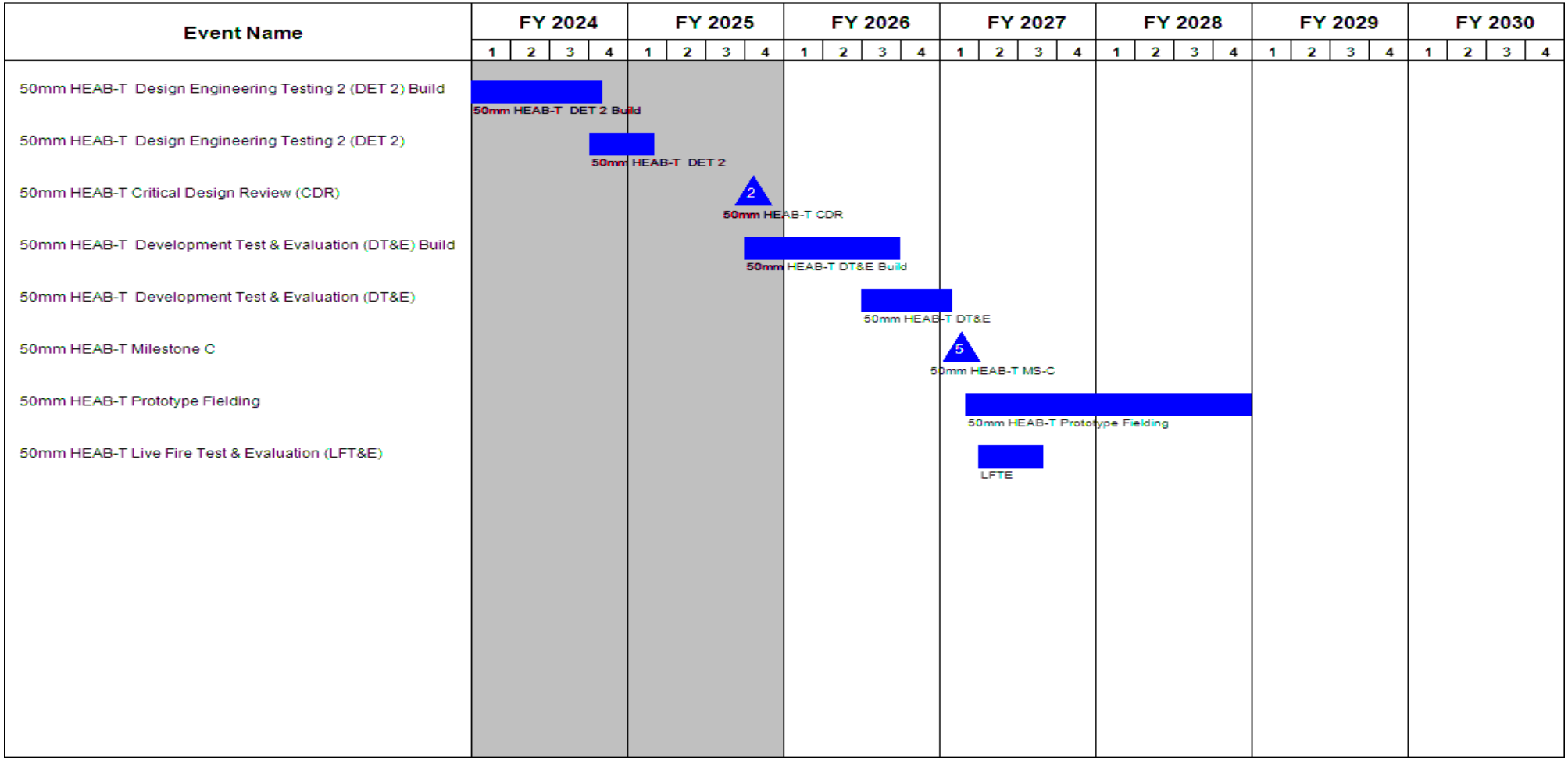


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
50mm TP-T Rapid Prototyping Award	1	2021	1	2021
50mm TP-T Rapid Prototyping	1	2021	2	2024
50mm TP-T Design Engineering Test (DET) Build	3	2021	1	2022
50mm TP-T Design Engineering Test (DET)	1	2022	2	2022
50mm TP-T Critical Design Review (CDR)	2	2022	2	2022
50mm TP-T Development Test & Evaluation (DT&E) Build	2	2022	1	2023
50mm TP-T Development Test & Evaluation (DT&E)	2	2023	3	2023
50mm TP-T Milestone C	2	2024	2	2024
50mm TP-T Prototype Fielding	2	2024	4	2025
50mm APFSDS-T Rapid Prototyping Award	2	2021	2	2021
50mm APFSDS-T Rapid Prototyping	2	2021	4	2025
50mm APFSDS-T Design Engineering Test 1 (DET 1) Build	3	2021	2	2022
50mm APFSDS-T Design Engineering Testing 1 (DET 1)	3	2022	4	2022
50mm APFSDS-T Design Engineering Test 2 (DET 2) Build	3	2024	3	2025
50mm APFSDS-T Design Engineering Testing 2 (DET 2)	2	2025	4	2025
50mm APFSDS-T Critical Design Review (CDR)	4	2025	4	2025
50mm APFSDS-T Development Test & Evaluation (DT&E) Build	1	2025	1	2026
50mm APFSDS-T Development Test & Evaluation (DT&E)	1	2026	2	2026
50mm APFSDS-T Milestone C	3	2026	3	2026
50mm APFSDS-T Prototype Fielding	4	2026	1	2030
50mm APFSDS-T Live Fire Test & Evaluation (LFT&E)	3	2028	4	2028
50mm HEAB-T Rapid Prototyping Award	4	2020	4	2020

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** BY1 / *Next Generation Combat Vehicle Ammunition*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
50mm HEAB-T Rapid Prototyping	4	2020	1	2027
50mm HEAB-T Design Engineering Testing 1 (DET 1) Build	4	2021	2	2022
50mm HEAB-T Design Engineering Testing 1 (DET 1)	3	2022	3	2022
50mm HEAB-T Design Engineering Testing 2 (DET 2) Build	3	2022	4	2024
50mm HEAB-T Design Engineering Testing 2 (DET 2)	4	2024	1	2025
50mm HEAB-T Critical Design Review (CDR)	4	2025	4	2025
50mm HEAB-T Development Test & Evaluation (DT&E) Build	4	2025	3	2026
50mm HEAB-T Development Test & Evaluation (DT&E)	3	2026	1	2027
50mm HEAB-T Milestone C	1	2027	1	2027
50mm HEAB-T Prototype Fielding	1	2027	4	2028
50mm HEAB-T Live Fire Test & Evaluation (LFT&E)	2	2027	3	2027

Note

Notes:
Target Practice with Tracer (TP-T)
Armor-Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T)
High Explosive Airburst with tracer (HEAB-T)

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) CE3 / *Precision Munition (Sniper)*	

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
CE3: *Precision Munition (Sniper)*	-	-	6.513	4.527	-	4.527	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Precision Munition (Sniper) project is a critical technology development in response to the Precision Munition Capabilities Development Documents (CDD) for the ammunition required to support the Precision Sniper Rifle (PSR) / sniper weapons systems. The objective is to transfer the latest lethality technology into the suite of ammunition used by snipers. The Precision Munition improvement is split into three capability areas: Anti-Materiel (AM), Improved Performance Round (IPR), and Subsonic. The AM and IPR capabilities will enhance lethal effects at greater distances. The Subsonic capability will increase soldier survivability at close range by providing a low-sound signature munition that is undetectable to the enemy. FY 2026 will continue Engineering and Manufacturing Development activities to include a user assessment, Production Qualification Test build and the commencement of Production Qualification Testing (PQT).

In FY 2024, Project CE3 / Precision Munition (Sniper) was a Skip-Year.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Develop and Improve Ammunition for Sniper Weapons Systems.	-	6.513	4.527	-	4.527
Description: Develop, demonstrate, and qualify new sniper ammunition to defeat hard targets for the Precision Sniper Rifle (PSR) and other sniper weapons systems. Integrate latest lethality technology into the current suite of sniper ammunition for the Precision Sniper Rifle (PSR) and other sniper weapons systems. Integrate latest lethality technology into the current subsonic ammunition for the Precision Sniper Rifle (PSR) and other sniper weapons systems.					
FY 2025 Plans: FY 2025 funding will initiate Engineering and Manufacturing Development (EMD) efforts. Award contract to develop prototype ammunition, conduct a Limited User Assessment (LUA), and perform lethality testing.					
FY 2026 Base Plans: FY 2026 funding will support the continuation of EMD and complete the Production Qualification Test build. Start Production Qualification Testing (PQT) and soft/hard target testing for the .338 AM Cartridges.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** CE3 / *Precision Munition (Sniper)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2026 funding decrease due to a decreased need for engineering support during Production Qualification Testing and target testing as compared to EMD phase of developing prototype ammunition.					
Accomplishments/Planned Programs Subtotals	-	6.513	4.527	-	4.527

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The Precision Munition (Sniper) utilizes Other Transaction Authority (OTA) to acquire and/or mature US Government design. Contracts to acquire parts and raw materials are competitive. The Government is prototyping and testing projectiles.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) CE3 / *Precision Munition (Sniper)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	Various	TBD : TBD	-	-		0.238		-		-		-	0.000	0.238	-
		Subtotal	-	-		0.238		-		-		-	0.000	0.238	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Manufacturing Development (EMD) activities	MIPR	DEVCOM AC : Picatinny Arsenal, New Jersey	-	-		2.685	Jun 2025	1.500	Jan 2026	-		1.500	0.000	4.185	-
		Subtotal	-	-		2.685		1.500		-		1.500	0.000	4.185	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Anti-Materiel Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	3.700	-		1.500	Jun 2025	1.000	Nov 2025	-		1.000	Continuing	Continuing	Continuing
		Subtotal	3.700	-		1.500		1.000		-		1.000	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Lethality Testing and Analysis	MIPR	US Army Research Lab (ARL) : Aberdeen, Maryland	2.400	-		1.590	Jun 2025	0.527	Jan 2026	-		0.527	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) CE3 / *Precision Munition (Sniper)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Testing	MIPR	Maneuver Battle Labs : Fort Benning, Georgia	-	-		0.500	Aug 2025	-		-		-	0.000	0.500	-
Product Qualification Testing	MIPR	US Army Test and Evaluation Command (ATEC) : Aberdeen, Maryland	-	-		-		1.500	Jan 2026	-		1.500	0.000	1.500	-
		Subtotal	2.400	-		2.090		2.027		-		2.027	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	6.100	-		6.513		4.527		-		4.527	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** CE3 / *Precision Munition (Sniper)*

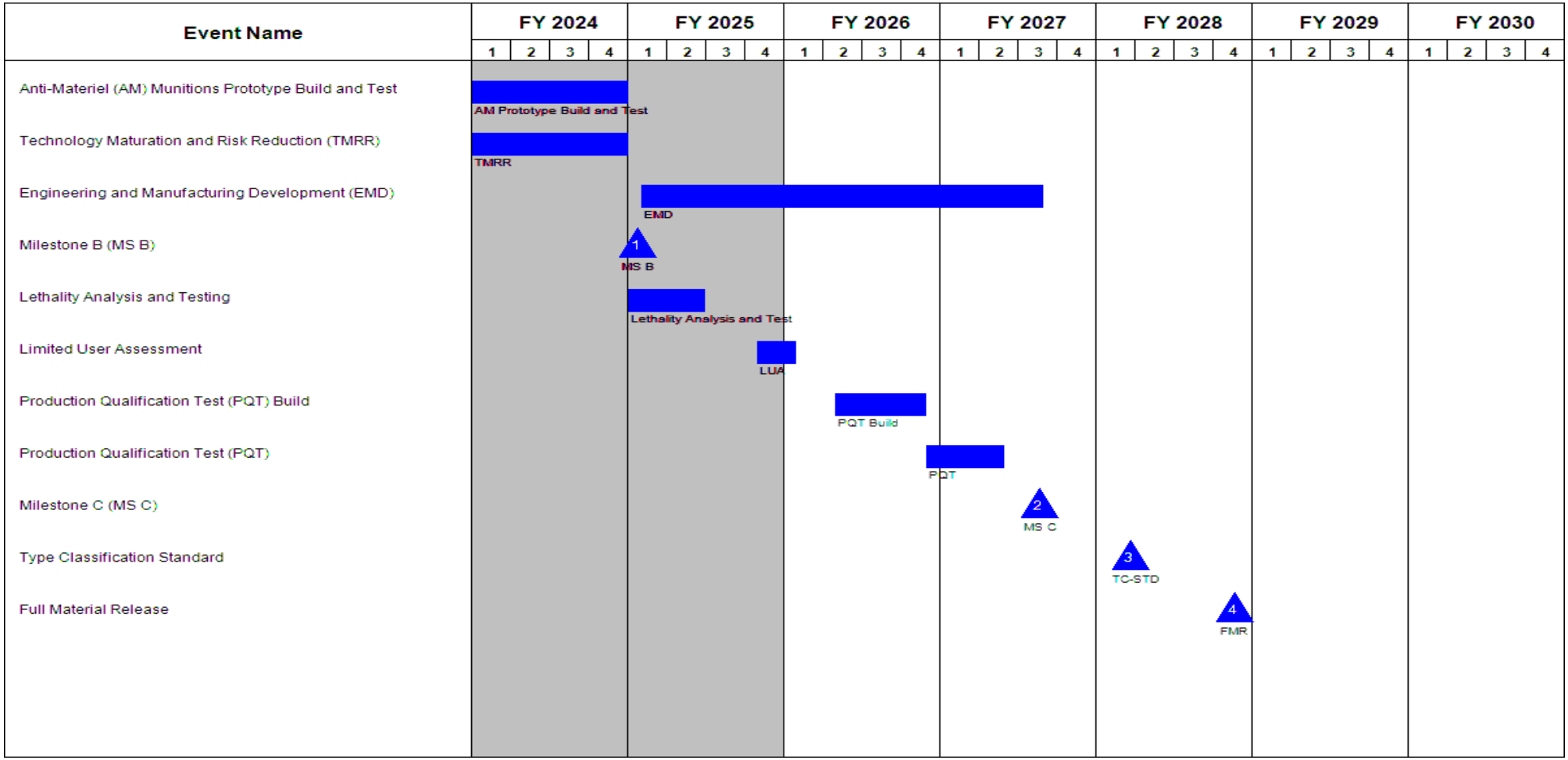


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** CE3 / *Precision Munition (Sniper)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Materiel Development Decision	2	2023	2	2023
Anti-Materiel (AM) Munitions Prototype Build and Test	1	2024	4	2024
Technology Maturation and Risk Reduction (TMRR)	1	2023	4	2024
Engineering and Manufacturing Development (EMD)	1	2025	3	2027
Milestone B (MS B)	1	2025	1	2025
Lethality Analysis and Testing	1	2025	2	2025
Limited User Assessment	4	2025	1	2026
Production Qualification Test (PQT) Build	2	2026	4	2026
Production Qualification Test (PQT)	4	2026	2	2027
Milestone C (MS C)	3	2027	3	2027
Type Classification Standard	1	2028	1	2028
Full Material Release	4	2028	4	2028

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DC9 / *30mm MMPA M-SHORAD INC 3*	

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
DC9: *30mm MMPA M-SHORAD INC 3*	-	20.245	11.303	17.797	-	17.797	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

30mm Multi-Mode Proximity Airburst (MMPA) Maneuver Short Range Air Defense Increment 3 (M-SHORAD INC 3): The 30mm MMPA M-SHORAD INC 3 / Project DC9 funds the development of the 30mm XM1223 MMPA munition and respective weapon contact setter under the Middle Tier of Acquisition (MTA) authority for rapid prototyping. The objective is to enhance the operational effectiveness of the M-SHORAD Inc 3 platform, Mobile-Low, Slow, Small Unmanned Aircraft Integrated Defeat System (M-LIDS) and any other Joint Force platforms that are equipped with a 30mm weapon system and have a Counter Unmanned Aerial Systems (C-UAS) mission. The programmable fuze modes in the munition include proximity airburst to defeat personnel in the open and small Unmanned Aerial System (UAS) targets, proximity airburst delay to defeat personnel in defilade, gated proximity airburst to minimize collateral damage in cluttered environments, mechanical point detonate to defeat light materiel targets, and self-destruct to minimize collateral damage. The XM1223 will allow the platforms to conduct counter-UAS missions while retaining the ability to quickly transition to ground targets without having to swap ammunition. FY 2026 funds support conducting a Critical Design Review (CDR) and initiating the ammunition build for Developmental Test and Evaluation (DT&E).

The FY 2026 cost of the XM1223 30mm Multi-Mode Proximity Airburst (MMPA) Middle Tier of Acquisition effort is $17.9 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Rapid Prototyping 30mm MMPA	18.245	10.890	17.797	-	17.797
Description: Develop, demonstrate, and qualify a new munition for the M-SHORAD Inc 3, M-LIDS and other Joint Force platforms equipped with a 30mm weapon system.					
FY 2025 Plans: Build Design Engineering Test (DET) prototypes and conduct DET at government test sites for a potential down selection prior to Critical Design Review.					
FY 2026 Base Plans: Conduct vendor down-select based on Government Design Engineering Test (DET) results. Conduct Critical Design Review (CDR) and start ammunition build for Developmental Test and Evaluation (DT&E) occurring in FY 2027.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DC9 / *30mm MMPA M-SHORAD INC 3*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2026 funding increase due to increased engineering and development support related to initiating ammunition build for Development Test and Evaluation.					
Title: SBIR/STTR Transfer ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR). Funding transferred in accordance with Title 15 USC §638. ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638.	-	0.413	-	-	-
Accomplishments/Planned Programs Subtotals	18.245	11.303	17.797	-	17.797

	FY 2024	FY 2025
Congressional Add: Multi-Mode Proximity Airburst for Counter-UAS	2.000	-
FY 2024 Accomplishments: Mature the design and create hardware for testing and qualification of the 30x113mm XM1223 Multi-Mode Proximity Airburst (MMPA) cartridge. Through Middle Tier of Acquisition - Rapid Prototyping (MTA-RP), the XM1223 MMPA will enhance the operational effectiveness of the Maneuver Short Range Air Defense (M-SHORAD) INC 3 platform by allowing it to engage small unmanned aerial systems (UAS) and ground targets using a single ammunition type through programming of a multi-mode proximity fuze.		
Congressional Adds Subtotals	2.000	-

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
• F98811: *30 MM MMPA*	-	-	-	-	-	-	-	-	-		

Remarks

D. Acquisition Strategy

The 30mm XM1223 MMPA munition program will utilize the Middle Tier of Acquisition (MTA) authority for rapid prototyping to develop ammunition concepts/designs. Proposals will be requested from Industry to develop a 30mm Multi-Mode Proximity Airburst (MMPA) tactical cartridge that will meet Army Performance Specifications

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DC9 / *30mm MMPA M-SHORAD INC 3*

and Maneuver Short Range Air Defense Increment 3 (M-SHORAD Inc 3) Abbreviated Capability Development Document (A-CDD) Requirements. The Government will award up to two contracts using an Other Transaction Agreement (OTA) to support development for Design Engineering Tests (DET) and will down-select to one contractor to support Developmental Test & Evaluation (DT&E) prior to Milestone C in FY 2028. The government will have the option to award contracts for production.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DC9 / *30mm MMPA M-SHORAD INC 3*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer	Various	TBD : TBD	-	-		0.413	Jun 2025	-		-		-	0.000	0.413	-
		Subtotal	-	-		0.413		-		-		-	0.000	0.413	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MMPA EMD Contract 1	C/CPFF	Northrop Grumman Systems Corporation (NGSC) : Plymouth, MN	-	9.446	Jul 2024	3.512	Apr 2025	-		-		-	Continuing	Continuing	Continuing
MMPA EMD Contract 2	C/CPFF	General Dynamics Ordnance and Tactical Systems (GD-OTS) : Marion, IL	-	9.446	Jul 2024	3.734	Apr 2025	-		-		-	Continuing	Continuing	Continuing
MMPA Fuze Setter Development	C/CPFF	Northrup Grumman Defense Systems (NGDS) : Mesa, Arizona	-	0.075	Jan 2025	0.150	Jul 2025	-		-		-	Continuing	Continuing	Continuing
MMPA Developmental Test & Evaluation (DT&E) Build	C/CPFF	TBD : TBD	-	-		-		16.397	Apr 2026	-		16.397	0.000	16.397	-
		Subtotal	-	18.967		7.396		16.397		-		16.397	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support DEVCOM AC	MIPR	Development Command - Armaments Center	-	1.278	Apr 2024	1.370	Feb 2025	0.600	Apr 2026	-		0.600	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DC9 / *30mm MMPA M-SHORAD INC 3*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		(DEVCOM AC) : Picatinny Arsenal, NJ													
		Subtotal	-	1.278		1.370		0.600		-		0.600	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Design Engineering Testing (DET)	MIPR	Picatinny ATF : Picatinny Arsenal, New Jersey	-	-		0.661	Aug 2025	0.500	Jan 2026	-		0.500	Continuing	Continuing	Continuing
DEVCOM DAC Testing	MIPR	DEVCOM Analysis Center (DAC) : Aberdeen, Maryland	-	-		0.535	Jul 2025	0.300	Mar 2026	-		0.300	0.000	0.835	-
Engineering and Fuze Setter Testing	MIPR	Multiple Locations : Multiple Locations	-	-		0.928	Apr 2025	-		-		-	0.000	0.928	-
		Subtotal	-	-		2.124		0.800		-		0.800	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	-	20.245		11.303		17.797		-		17.797	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DC9 / *30mm MMPA M-SHORAD INC 3*

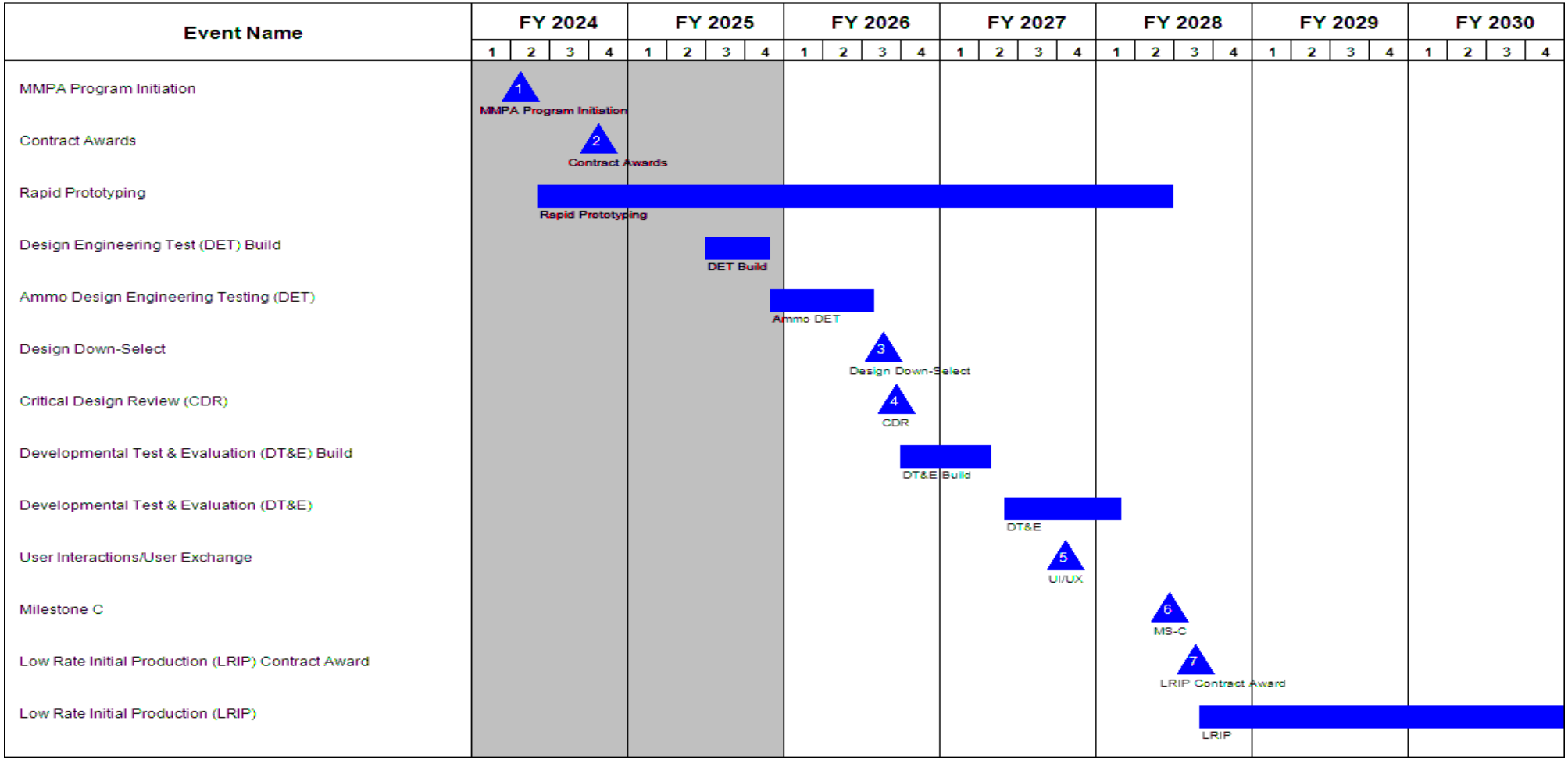


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DC9 / *30mm MMPA M-SHORAD INC 3*

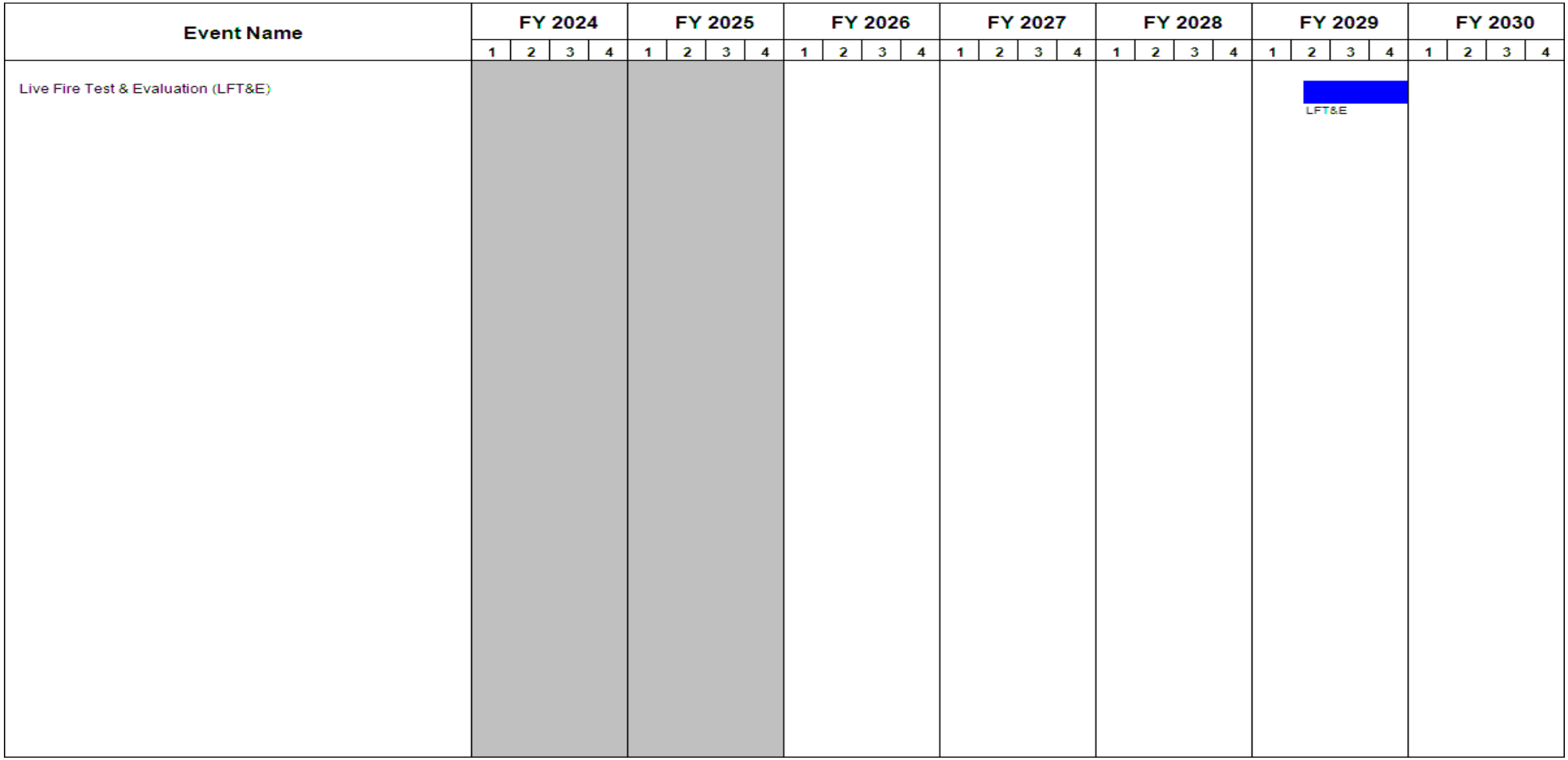


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DC9 / *30mm MMPA M-SHORAD INC 3*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MMPA Program Initiation	2	2024	2	2024
Contract Awards	4	2024	4	2024
Rapid Prototyping	2	2024	2	2028
Design Engineering Test (DET) Build	3	2025	4	2025
Ammo Design Engineering Testing (DET)	4	2025	3	2026
Design Down-Select	3	2026	3	2026
Critical Design Review (CDR)	3	2026	3	2026
Developmental Test & Evaluation (DT&E) Build	4	2026	2	2027
Developmental Test & Evaluation (DT&E)	2	2027	1	2028
User Interactions/User Exchange	4	2027	4	2027
Milestone C	2	2028	2	2028
Low Rate Initial Production (LRIP) Contract Award	3	2028	3	2028
Low Rate Initial Production (LRIP)	3	2028	4	2030
Live Fire Test & Evaluation (LFT&E)	2	2029	4	2029

Note

MMPA - Multi-Mode Proximity Airburst

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DK8: *155mm Artillery Propulsion Mod - Sys Demonstration*	-	-	-	11.687	-	11.687	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In Fiscal Year 2026, funding was realigned within PE 0604802A / Weapons and Munitions - Eng Dev from project BQ3 / 155mm Artillery Propulsion XM654 to project DK8 / 155mm Artillery Propulsion Mod - Sys Demonstration to support the Cannon Transformation Strategy.

A. Mission Description and Budget Item Justification

155mm Artillery Propulsion Modernization (System Demonstration) supports the US Army's Cannon Transformation Strategy and system demonstration as well as modernization of propulsion systems for multiple platforms. The propulsion systems under development and modernization include propelling charge, modular charge, propellant, ignition system, and packaging solutions. The propulsion solutions will be integrated into a system of systems capability to ensure interoperability closing fires capability gaps to destroy or neutralize artillery target out to 70 kilometers. The propulsion system program(s) combined with cannon/projectile/fuze enhancements will enable the next generation of propelling charge and ignition systems to extend firing range, improve rate-of-fire and resupply, improve ammunition suitability, enhance lethality of current and future conventional munitions, and enable artillery units to be safe, effective, suitable, and survivable. Novel propulsion technologies will be developed, matured, integrated, and tested into the components of the propelling charges and ignition systems to advance and innovate artillery firing performance and enhance manufacturability of the industrial base. Fiscal Year (FY) 2026 funding will support system demonstration to integrate, verify maturity and iterate enhancement of propelling charge and ignition systems for improvement of the propellant effectiveness, cannon life, primer and charge ignition performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 155mm Artillery Propulsion Modernization - System Demonstration	-	-	11.687	-	11.687
Description: The 155mm propulsion systems under development and modernization including propelling charge, modular charge, propellant, ignition system, and packaging solutions will demonstrate maturity of these systems. As background, the ignition system ignites the propellant contained within the propelling charge or modular charge to launch a 155mm fuzed-projectile from the cannon of the howitzer to achieve desired firing range and lethal fires effects on targets, as necessary for Artillery unit operations. ***FY 2026 Base Plans:*** In FY 2026, funding will support the engineering design process including demonstration and testing of propelling charge and ignition systems for propulsion evaluation at the the system-level, in conjunction with the howitzer, cannon, projectile, and fuze programs. The propulsion evaluation will focus on system-level attributes					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
including cannon life, propelling charge performance, system-level handling and rates-of-fire, and overall propulsion suitability and survivability. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to efforts realigning from project BQ3 / 155mm Artillery Propulsion XM654 to project DK8 / 155mm Artillery Propulsion Mod - Sys Demonstration.					
Accomplishments/Planned Programs Subtotals	-	-	11.687	-	11.687

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
• DK7: *155mm Artillery Propulsion Mod - Adv Component Dev*	-	-	10.341	-	10.341	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The propulsion systems under development and modernization include traditional and novel propelling charge, modular charge, propellant, ignition system, and packaging solutions. The development and modernization efforts will utilize several competitively awarded Defense Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) initiatives for the technology development and integration, component-level design and manufacturing, assembly of components to system-level, and support overarching engineering and program management efforts. These system-buy contracts will allow for verification of sub- and system-level maturation through engineering design and testing processes to reduce overall risk to development of propulsion systems.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Option/ Various	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	-	-		-		0.100	Oct 2025	-		0.100	0.000	0.100	-
		Subtotal	-	-		-		0.100		-		0.100	0.000	0.100	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Combustible Case Components	MIPR	DoD Ordnance Technology Consortium (DOTC) : Coachella, CA	-	-		-		0.750	Mar 2026	-		0.750	0.000	0.750	-
Main Charge Propellants	TBD	To Be Determined : TBD	-	-		-		2.688	Nov 2025	-		2.688	0.000	2.688	-
Packaging	MIPR	DoD Ordnance Technology Consortium (DOTC) Savit Corporation : Rockaway, NJ	-	-		-		0.750	Mar 2026	-		0.750	0.000	0.750	-
Main Load Assemble & Pack	TBD	To Be Determined : To Be Determined	-	-		-		2.000	Mar 2026	-		2.000	0.000	2.000	-
Propellent Risk Reduction	MIPR	Various : Various	-	-		-		0.750	Mar 2026	-		0.750	0.000	0.750	-
Projectile and Fuze Hardware	Various	Various : Various	-	-		-		0.250	Mar 2026	-		0.250	0.000	0.250	-
		Subtotal	-	-		-		7.188		-		7.188	0.000	7.188	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		-		2.399	Oct 2025	-		2.399	0.000	2.399	-
		Subtotal	-	-		-		2.399		-		2.399	0.000	2.399	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Testing	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	-	-		-		2.000	Mar 2026	-		2.000	0.000	2.000	-
		Subtotal	-	-		-		2.000		-		2.000	0.000	2.000	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		-		11.687		-		11.687	0.000	11.687	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*

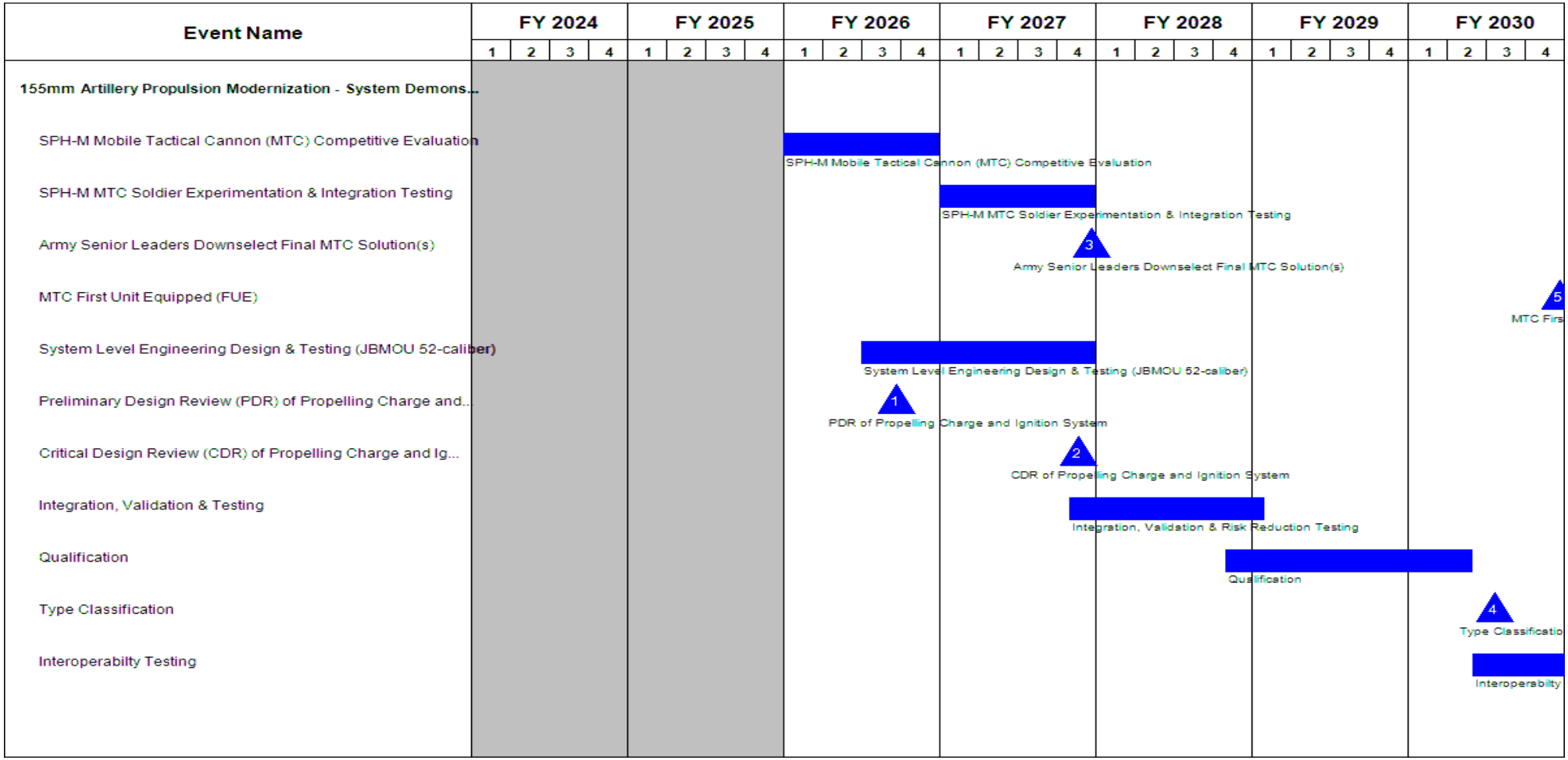


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** DK8 / *155mm Artillery Propulsion Mod - Sys Demonstration*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
155mm Artillery Propulsion Modernization - System Demonstration	1	2027	1	2032
SPH-M Mobile Tactical Cannon (MTC) Competitive Evaluation	1	2026	4	2026
SPH-M MTC Soldier Experimentation & Integration Testing	1	2027	4	2027
Army Senior Leaders Downselect Final MTC Solution(s)	4	2027	4	2027
MTC First Unit Equipped (FUE)	4	2030	4	2030
System Level Engineering Design & Testing (JBMOU 52-caliber)	3	2026	4	2027
Preliminary Design Review (PDR) of Propelling Charge and Ignition System	3	2026	3	2026
Critical Design Review (CDR) of Propelling Charge and Ignition System	4	2027	4	2027
Integration, Validation & Testing	4	2027	1	2029
Qualification	4	2028	2	2030
Type Classification	3	2030	3	2030
Interoperabilty Testing	2	2030	1	2032

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EC4 / *Non-Standard Simulator Munitions*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EC4: *Non-Standard Simulator Munitions*	-	2.108	0.411	0.412	-	0.412	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project EC4 Non-Standard Simulator Munitions will standardize various pyrotechnics that simulate battlefield effects, develop, demonstrate, and qualify various screening effects in grenades, vehicle launched effects, unmanned aerial vehicles, smoke pots, signals, counter sensors, and countermeasures. The Army's Combat Training Centers (CTCs) are currently using non-standard munitions to replicate both conventional and asymmetric warfare battlefield effects. These modified commercial-off-the-shelf products have not been type-classified or material released and are not safe or sustainable for use by Soldiers. This effort will develop and demonstrate various pyrotechnic simulators, replicating both conventional and asymmetric warfare effects and munitions such as:

- Black smoke signature (burning vehicles, buildings, and equipment);
- Yellow smoke signature (chemical, biological or nuclear effects);
- Mini Blast to simulate hostile fire and small Improvised Explosive Devices (IEDs) during mounted operations in urban terrain;
- Micro pyrotechnics to simulate indoor hostile fire and IED effects that are capable of being integrated into existing facilities;
- Rocket Propelled Grenade (RPG) simulators to replicate the flight of a Rocket Propelled Grenade;
- Macro Pyro to simulate hostile fire, booby trap, and IED simulations both indoor and outdoors;
- High Order Blast Effect (HiOBE) used to replicate a Vehicle Borne Improvised Explosive Device (VBIED), building explosions, and other significant explosive events;
- Artillery airburst simulator to replicate indirect fire;
- Antitank Guided Missile and Rocket (AGMR) simulator to replicate surface to air missile or shoulder launched rocket;
- Tracer Fire-back simulator to replicate enemy small arms fire and anti-aircraft fire;
- Electrically initiated smoke pots and smoke grenades of various colors;
- Multi-spectral and screening effects of grenades, vehicle launched effects, smoke pots, chaff, signals for unmanned systems, unmanned aerial vehicles, ground vehicles, and decoys.
- Counter sensor effects

Standardization will reduce training costs, eliminate redundancies between systems, mitigate environmental concerns and safety risks associated with realistic scenario-based training and improve screening effects.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Standardize Special Use Ammunition	2.108	0.396	0.412	-	0.412
Description: Standardize battlefield effects currently used by CTCs, home stations, and units.					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2025 Plans: FY 2025 will support the completion of Tracer Fire-back and HiOBE EMD, preparation of Milestone C documentation, and initiation of alternative smoke pot and smoke grenade effects. ***FY 2026 Base Plans:*** FY 2026 will support the completion of HiOBE EMD, preparation of Milestone C documentation, EMD of alternative Smoke Pot and Smoke Grenade effects, and initiate smoke and screening effects EMD. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to revised economic assumptions.					
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638	-	0.015	-	-	-
Accomplishments/Planned Programs Subtotals	2.108	0.411	0.412	-	0.412

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
• E88404: *SIMULATORS, Non-Standard, Special Effects, f/CTCs*	-	-	-	-	-	-	-	-	-		
• E48417: *SIMULATOR, TARGET KILL, XM175*	0.817	0.768	0.576	-	0.576	-	-	-	-	-	-
• E91114: *SIMULATOR, LAUNCHING, ANTITANK GUIDED MISSILE AND*	0.435	0.410	-	-	-	-	-	-	-	-	-
• E91116: *SIMULATOR, PROJECTILE AIR BURST, EXPLOSIVE: XM181*	0.473	0.370	-	-	-	-	-	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

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
• E50311: *SIMULATOR, CHEM ATTACK, YELLOW SMOKE*	0.187	0.065	0.046	-	0.046	-	-	-	-	-	-
• E48413: *SIMULATOR, INDOOR WEAPONS FIRE*	-	-	0.129	-	0.129	-	-	-	-	-	-
• E48416: *SIMULATOR, HIGH ORDER BLAST EFFECT (HIOBE)*	-	-	0.556	-	0.556	-	-	-	-	-	-
• E48415: *SIMULATOR, INCOMING ROCKET PROPELLED GRENADE (RPG)*	-	-	0.301	-	0.301	-	-	-	-	-	-
• E91112: *SIMULATOR, PROJECTILE GROUND BURST: MINI BLAST: XM*	-	-	0.225	-	0.225	-	-	-	-	-	-
• E48418: *SIMULATOR, SMALL ARMS TRACER FIRE-BACK*	-	-	-	-	-	-	-	-	-		
• E48414: *SIMULATOR, OUTDOOR WEAPONS FIRE*	-	-	-	-	-	-	-	-	-		

Remarks

D. Acquisition Strategy

The Acquisition strategy is to incrementally develop and field a family of special use ammunition. Initial Battlefield Effects Simulators (BES) to be fielded will be the Artillery Airburst, Antitank Guided Missile and Rocket (ATGMR), Black and Yellow Smoke simulators followed by additional training simulators as required in the Future Army System of Integrated Targets (FASIT) Capability Production Document (CPD). The second iteration of special use ammunition includes RPG on a wire, Tracer Fire-back, Mini Blast, and HiOBE. The third iteration of special use ammunition includes smoke pot and smoke grenade upgrades to simulate longer lasting and accurate battlefield effects. The fourth iteration includes multi-spectral, screening, and signaling effects of grenades, vehicle launched munitions, smoke pots, signals, chaff, and counter sensor effects for ground vehicles, unmanned ground and aerial vehicles, and decoys.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EC4 / *Non-Standard Simulator Munitions*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.015		-		-		-	0.000	0.015	-
		Subtotal	-	-		0.015		-		-		-	0.000	0.015	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Black Smoke Hardware	MIPR	Pine Bluff Arsenal : Pine Bluff, AR	-	-		0.071	Jun 2025	0.100	Mar 2026	-		0.100	0.000	0.171	-
HiOBE Developmental Hardware	C/FFP	PR Tactical Corporation, Inc. : Pearland, TX	-	0.611	Sep 2024	-		-		-		-	0.000	0.611	-
		Subtotal	-	0.611		0.071		0.100		-		0.100	0.000	0.782	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	6.469	1.144	Oct 2023	0.303	Oct 2024	0.200	Oct 2025	-		0.200	Continuing	Continuing	-
EOD Procedure/ Publications	MIPR	NSWC Indian Head : Indian Head, MD	-	0.008	Mar 2024	0.022	May 2025	-		-		-	0.000	0.030	-
		Subtotal	6.469	1.152		0.325		0.200		-		0.200	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
HIOBE Qualification Testing	MIPR	NSWC Dahlgren : Dahlgren, VA	-	-		-		0.060	Jun 2026	-		0.060	0.000	0.060	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EC4 / *Non-Standard Simulator Munitions*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Smoke Pot & Smoke Grenade Qualification Testing	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.052	Jun 2026	-		0.052	0.000	0.052	-
RPG on a Wire & Tracer Fireback Qualification Testing	MIPR	NSWC Dahlgren & DEVCOM Armaments Center : Dahlgren, VA & Picatinny Arsenal, NJ	-	0.288	Mar 2024	-		-		-		-	0.000	0.288	-
HIOBE EMQ Qualification	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	0.057	Mar 2024	-		-		-		-	0.000	0.057	-
		Subtotal	-	0.345		-		0.112		-		0.112	0.000	0.457	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	6.469	2.108		0.411		0.412		-		0.412	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

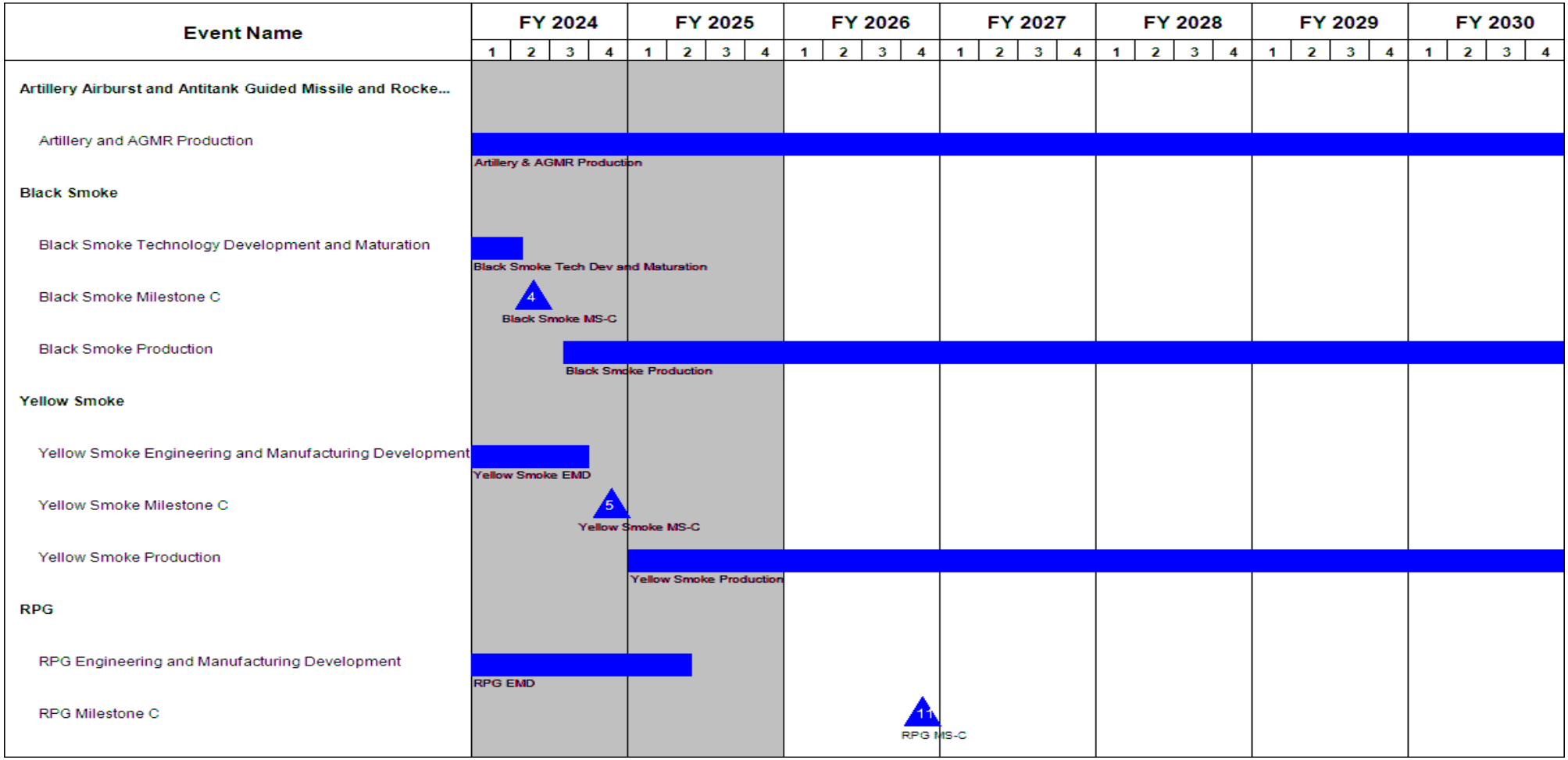


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

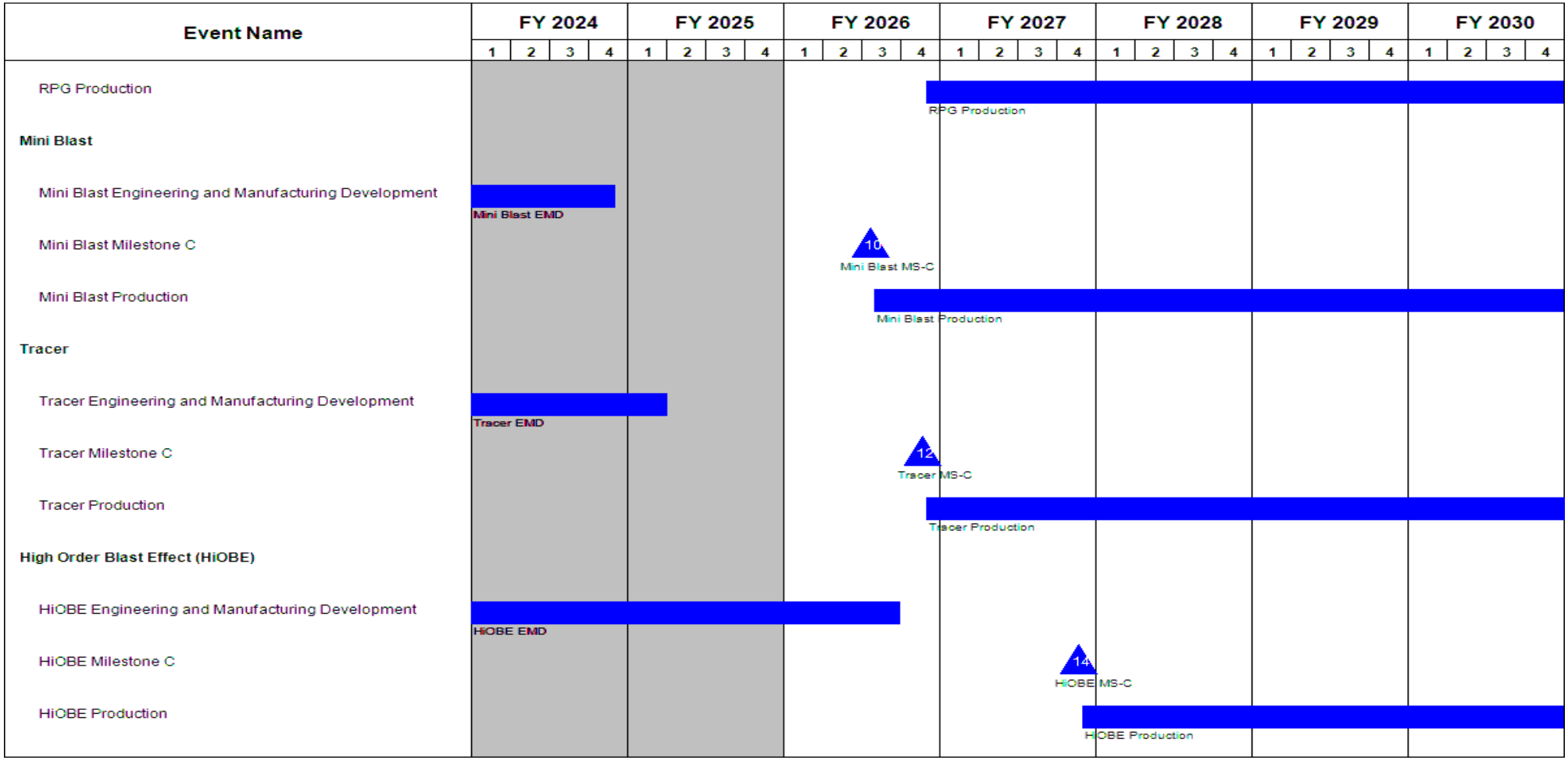


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

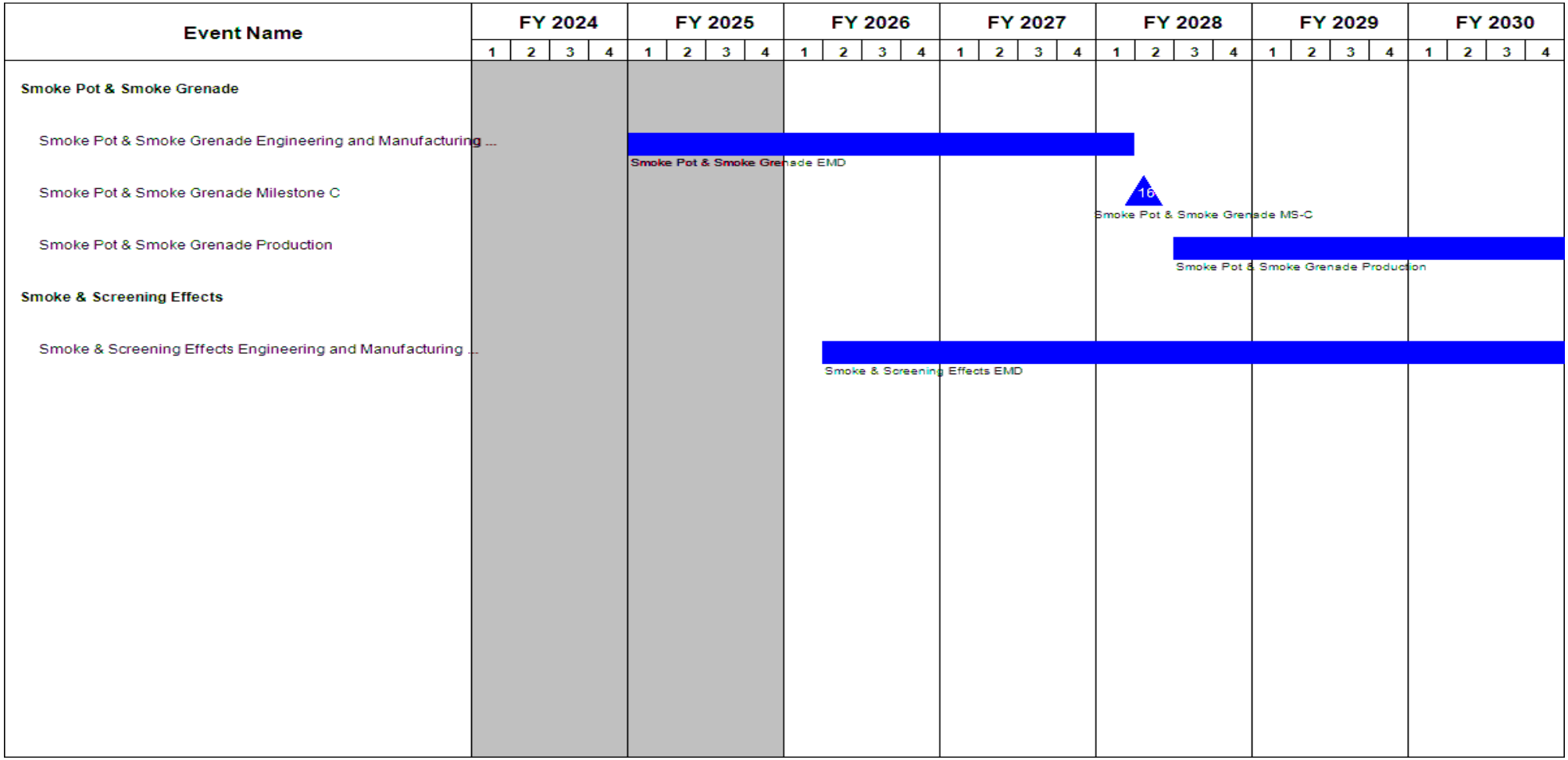


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Artillery Airburst and Antitank Guided Missile and Rocket (AGMR)	1	2024	1	2024
Artillery and AGMR Type Classification	4	2021	4	2022
Artillery and AGMR Production	1	2024	4	2030
Black Smoke	1	2024	1	2024
Black Smoke Technology Development and Maturation	4	2019	1	2024
Black Smoke Milestone C	2	2024	2	2024
Black Smoke Production	3	2024	4	2030
Yellow Smoke	1	2024	1	2024
Yellow Smoke Technology Development	2	2020	2	2022
Yellow Smoke Engineering and Manufacturing Development	2	2022	3	2024
Yellow Smoke Milestone C	4	2024	4	2024
Yellow Smoke Production	1	2025	4	2030
RPG	1	2026	1	2026
RPG Technology Development	2	2020	2	2022
RPG Engineering and Manufacturing Development	2	2022	2	2025
RPG Milestone C	4	2026	4	2026
RPG Production	4	2026	4	2030
Mini Blast	1	2026	1	2026
Mini Blast Technology Development	2	2020	2	2022
Mini Blast Engineering and Manufacturing Development	2	2022	4	2024
Mini Blast Milestone C	3	2026	3	2026
Mini Blast Production	3	2026	4	2030

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EC4 / *Non-Standard Simulator Munitions*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Tracer	1	2027	1	2027
Tracer Technology Development	2	2022	1	2023
Tracer Engineering and Manufacturing Development	2	2023	1	2025
Tracer Milestone C	4	2026	4	2026
Tracer Production	4	2026	1	2032
High Order Blast Effect (HiOBE)	1	2026	1	2026
HiOBE Technology Development	2	2022	1	2023
HiOBE Engineering and Manufacturing Development	2	2023	3	2026
HiOBE Milestone C	4	2027	4	2027
HiOBE Production	4	2027	4	2030
Smoke Pot & Smoke Grenade	1	2028	1	2028
Smoke Pot & Smoke Grenade Engineering and Manufacturing Development	1	2025	1	2028
Smoke Pot & Smoke Grenade Milestone C	2	2028	2	2028
Smoke Pot & Smoke Grenade Production	3	2028	4	2034
Smoke & Screening Effects	2	2026	2	2026
Smoke & Screening Effects Engineering and Manufacturing Development	2	2026	4	2031

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EL9 / *Ammunitions Logistics Prototyping*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EL9: *Ammunitions Logistics Prototyping*	-	1.013	1.074	1.073	-	1.073	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project supports the future force by maturing and integrating prototypes and Commercial Off-The-Shelf (COTS) technologies fully endorsed by the Warfighter and associated Combat developers following a system of systems approach. The selected capabilities for continued investment have been proven successful through Warfighter exercises and Soldier touch points to materially improve elements of tactical ammunition transportation, distribution, inventory management, availability, and survivability as logistics system enablers within the formation. These enablers will improve the efficiency and effectiveness of ammunition operations, to include retrograde, while reducing the logistics footprint on the battlefield. This project enhances the operational effectiveness of the ammunition logistics system to ensure the distribution of reliable ammunition to the Warfighter. Funding will be focused on integrating mature technologies into ammunition resupply enablers and developing interfaces with applicable Program of Records (PoR) as recommended by the Contested Logistics, Long Range Precision Fires, Next Generation Combat Vehicles, and Soldier Lethality Cross Functional Teams (CFTs).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Munitions Survivability and Logistics Enablers	1.013	1.074	1.073	-	1.073
Description: This program will mature ammunition logistics system enablers and ensure that supported, required, and recommended technologies are developed and transitioned to operate seamlessly with any applicable POR within the tactical formation. ***FY 2025 Plans:*** Integrate mature COTS or Army developed technology enablers to provide a capability for enhanced ammunition supply chain during tactical transportation and distribution in formations forward of the Ammunition Support Areas (ASA). Leverage recently completed JPEO A&A Research Development Test & Evaluation (RDT&E) funds system engineering studies/analysis to inform operational performance thresholds as critical selection criteria of commercial technologies. Integration efforts will primarily focus on tactical Cannon Artillery operations to improve operational availability of ammunition and associated components at the tactical edge and will be applicable to all other indirect fire weapons with fire missions dictated by Advanced Field Artillery Tactical Data System (AFATDS). The operational system to be transitioned to PM Self-Propelled Howitzer Systems (SPHS) and other relevant PMs within PEO Ground Combat Systems (GCS). Technologies matured and demonstrated					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EL9 / *Ammunitions Logistics Prototyping*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
through Soldier touch points will ensure artillery ammunition is prepared, protected, serviceable and monitored prior to use to improve the storage, management and distribution within the formation. ***FY 2026 Base Plans:*** Provides overall program management across the ammunition logistics portfolio by supporting the development of technology delivery tasks and coordination with stakeholders across multiple CFTs to align with emerging requirements across the predictive logistics domain. Supports design reviews, experimentation, maturation, and risk reduction of ammunition logistics technologies to ensure seamless integration with and transition to PoR. Specifically geared towards preparation of technology components for the Tactical Ammunition Management Micro Services requirements, cyber engineering, risk management supporting artifacts, and integration of software elements onto DoD digital infrastructures. Supports participation in working groups and integrated product teams across the portfolio of ammunition logistics software efforts to generate documentation and system architectures in compliance with emerging Unified Data Reference Architecture requirements. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to revised economic assumptions.					
Accomplishments/Planned Programs Subtotals	1.013	1.074	1.073	-	1.073

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The acquisition strategy is to work directly with the relevant PMs (Combat Ammunition Systems (CAS) and SPHS to support the development of a resupply system/ process to meet the needs of the Extended Range Canon Artillery, Next Generation Howitzer, and other emerging indirect fire weapon systems. The resultant capabilities will then be transitioned to the appropriate PM for further maturation and/or fielding.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EL9 / *Ammunitions Logistics Prototyping*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
System Development - Instrumented Ammo Stowage (CAT)	MIPR	CR Tactical : Pittsburgh, PA	1.694	0.828	Jan 2024	0.445	Jan 2025	-		-		-	0.000	2.967	-
Cyber Assessment for PoR interfaces	MIPR	TBD: Various : TBD: Various	-	-		0.404	Nov 2024	0.250	Nov 2025	-		0.250	Continuing	Continuing	Continuing
Transition to Army Cloud Hosting	TBD	TBD : TBD: Various	-	-		-		0.373	Jan 2026	-		0.373	Continuing	Continuing	Continuing
		Subtotal	1.694	0.828		0.849		0.623		-		0.623	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVCOM Armaments Center	MIPR	Picatinny Arsenal : NJ	1.954	0.185	Dec 2023	0.225	Mar 2023	0.450	Dec 2025	-		0.450	Continuing	Continuing	Continuing
		Subtotal	1.954	0.185		0.225		0.450		-		0.450	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	3.648	1.013		1.074		1.073		-		1.073	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EL9 / *Ammunitions Logistics Prototyping*

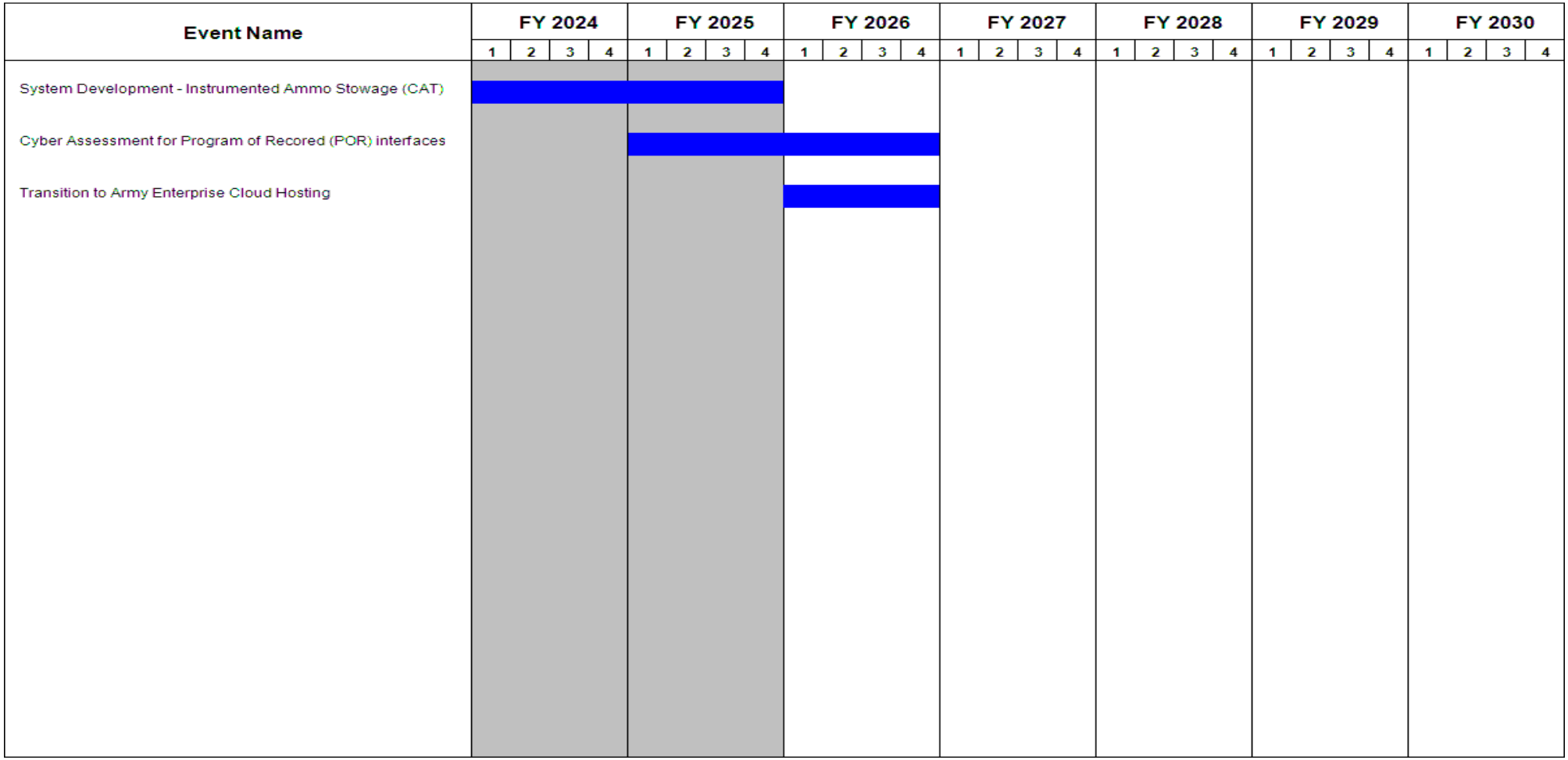


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EL9 / *Ammunitions Logistics Prototyping*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
System Development - Instrumented Ammo Stowage (CAT)	1	2024	4	2025
Cyber Assessment for Program of Recored (POR) interfaces	1	2025	4	2026
Transition to Army Enterprise Cloud Hosting	1	2026	4	2026

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP2 / *Shoulder-Launched Munitions*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EP2: *Shoulder-Launched Munitions*	-	2.458	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The XM919 Individual Assault Munitions (IAM) effort will combine the capabilities of the existing M141 Bunker Defeat Munition (BDM) and the M136 Anti-Tank 4 Confined Space - Reduced Sensitivity (AT4CS RS), eliminating the mission risk associated with having to choose between two different capability Shoulder-Launched Munitions (SLMs), reducing the logistics and training burdens associated with multiple systems. IAM consists of the tactical XM919 IAM munition and training devices including the XM922 sub-caliber trainer (SCT), sub-caliber tracer ammunition (SCT Ammo), Field Handling Trainer (FHT), Synthetic Training Environment Live Training System (STE LTS) and Soldier Virtual Trainers (SVT). JPEO A&A is collaborating with PEO STRI to plan for STE LTS and SVT integration within PEO STRI platforms under the SS PEG. The tactical XM919 IAM supports the close fight in urban and complex terrain, allowing Soldiers a fire-from-enclosure (FFE) capability to defeat field expedient structures such as earth and timber bunkers, reinforced concrete, adobe and triple brick walls with behind the wall lethality effects as well as defeating light armored vehicles. The IAM training devices provide an affordable training capability to increase the Soldier's proficiency and integration of the XM919 tactical system into combat operations. The XM919 IAM supports the Army's Soldier Lethality Modernization Line of Effort (LOE) by providing multi-target capability and reducing training & logistics burden associated with two systems, while providing tactical innovation capable of extending overmatch against peer/near-peer adversaries in a joint, multi-domain, high-intensity conflict.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: XM919 Individual Assault Munition (IAM) ***Description:*** The XM919 IAM program entered the Engineering and Manufacturing Development (EMD) Phase (MDD approved in 3QFY2020) and obtained Shoulder Launched Munition test hardware (production-ready systems) in support of market research (to include live test firings) informing the approved CDD-Update. The market research data also supported the 2QFY2024 MS C decision. A competitive 5-year Indefinite Delivery/ Indefinite Quantity (ID/IQ) production contract was awarded 4QFY2024. The XM919 IAM program will conclude a User Excursion (Soldier Touch Point In lieu of Operational Test) 3QFY2026 prior to Type Classification and Full Materiel Release.	2.458	-	-	-	-
Accomplishments/Planned Programs Subtotals	2.458	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP2 / *Shoulder-Launched Munitions*

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
• E36412: *SHOULDER LAUNCHED INDIVIDUAL ASSAULT MUNITION(IAM)*	71.236	0.762	31.890	-	31.890	-	-	-	-	-	-
• E36914: *TRAINING DEVICE SLM IAM SUBCALIBER LAUNCHER*	-	-	7.484	-	7.484	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The XM919 IAM acquisition strategy is a two phased approach that consists of an accelerated system assessment (SA) phase and a production and deployment phase (P&D). The SA phase surveyed industry and assessed available mature tactical and training hardware solutions through live test firings and soldier touch points. The data collected from the SA phase informed the IAM CDD-Update (approved 13 October 2023) and a Milestone C production decision. The successful production decision transitioned the program into the P&D phase. In 4QFY2024, a competitive 5-year ID/IQ production contract was awarded requiring the XM919 IAM producers to Load, Assemble and Pack (LAP) in the U.S. at the start of year three through year five of the contract. The XM919 IAM will replace the AT4CS-RS and BDM shoulder launched munition systems. The XM919 IAM training devices including the XM922 SCT, XM922 SCT Ammo, FHT, Synthetic Training Environment Live Training System (STE LTS) and Soldier Virtual Trainers (SVT) and will replace AT4CS-RS and BDM training devices.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP2 / *Shoulder-Launched Munitions*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Individual Assault Munition (IAM) Test Hardware	C/FFP	Saab Inc : Sweden	-	0.958	Aug 2024	-		-		-		-	0.000	0.958	-
		Subtotal	-	0.958		-		-		-		-	0.000	0.958	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Tactical Engineering Support - Gov	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	6.690	0.785	Oct 2023	-		-		-		-	0.000	7.475	-
		Subtotal	6.690	0.785		-		-		-		-	0.000	7.475	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
User Excursion (in lieu of OT)	MIPR	Various : Various	-	0.515	Jun 2025	-		-		-		-	0.000	0.515	-
SCT & SCT Ammo Testing	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	0.200	Jun 2025	-		-		-		-	0.000	0.200	-
		Subtotal	-	0.715		-		-		-		-	0.000	0.715	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	6.690	2.458		-		-		-		-	0.000	9.148	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP2 / *Shoulder-Launched Munitions*

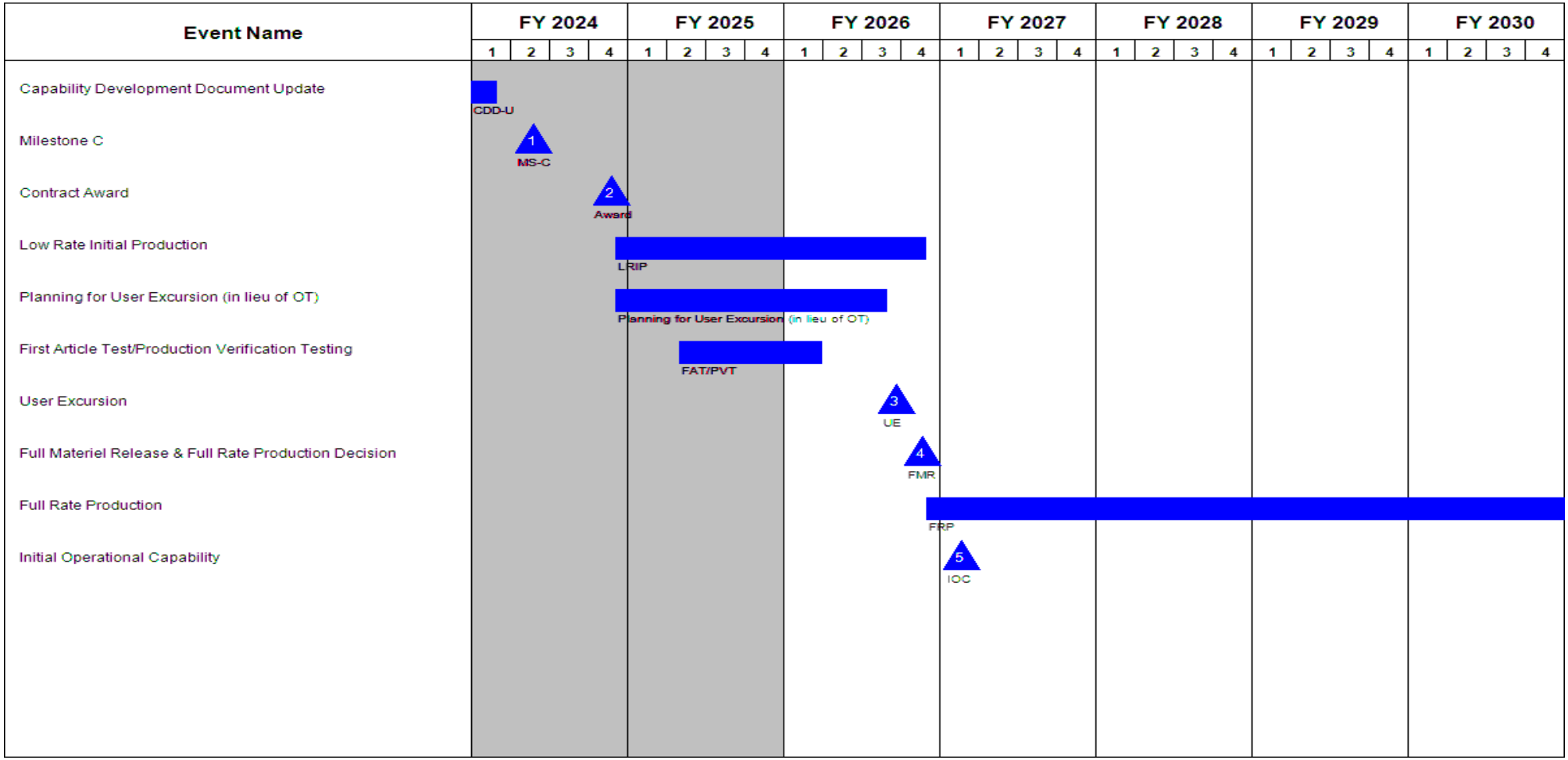


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP2 / *Shoulder-Launched Munitions*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Individual Assault Munition (IAM) Milestone B	3	2020	3	2020
Engineering and Manufacturing Development Contract	4	2020	3	2022
Live Test Firing	4	2021	3	2022
User Jury (Soldier Touch Point)	4	2021	1	2022
Capability Development Document Update	4	2022	1	2024
Environmental Testing	4	2022	1	2023
Industry Day	3	2023	3	2023
Milestone C	2	2024	2	2024
Contract Award	4	2024	4	2024
Low Rate Initial Production	4	2024	4	2026
Planning for User Excursion (in lieu of OT)	4	2024	3	2026
First Article Test/Production Verification Testing	2	2025	1	2026
User Excursion	3	2026	3	2026
Full Materiel Release & Full Rate Production Decision	4	2026	4	2026
Full Rate Production	4	2026	1	2033
Initial Operational Capability	1	2027	1	2027

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP4 / *One-Way Luminescence for Small Caliber Ammo*	

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
EP4: *One-Way Luminescence for Small Caliber Ammo*	-	2.980	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In Fiscal Year 2026, Project EP4 / One-Way Luminescence for Small Caliber Ammo has no FY26 request, because it is transferring from development to production.

A. Mission Description and Budget Item Justification

The One Way Luminescence (OWL) project is a critical technology development in response to the 7.62 millimeter (mm) and 5.56mm Families of Ammunition Capabilities Development Documents (CDD). Current small caliber ammunition tracer rounds are a pyrotechnic tracer mix which provides a visible light signature through its trajectory with a limited view during its early trajectory. The visible signature provides visibility of fire out to 900 meters and a limited view visible signature to the shooter only for 300m. The OWL projects objective is to develop and field a full tracer round, replace the current pyrotechnic cartridges with trace cartridges that are only visible to the shooter and soldiers in close proximity, increasing soldier survivability, and increasing lethality by incorporating Enhanced Performance Round (EPR) technology into the new tracer ammunition. 7.62mm and 5.56mm are the immediate focus; later followed by 6.8mm Family of Ammunition. There is no FY 2026 request as program transitions from development to production.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Engineering and Manufacturing Development (EMD) 7.62mm ***Description:*** EMD efforts for the 7.62mm variant.	0.540	-	-	-	-
Title: Engineering and Manufacturing Development (EMD) 5.56mm ***Description:*** EMD efforts for the 5.56mm variants.	2.440	-	-	-	-
Accomplishments/Planned Programs Subtotals	2.980	-	-	-	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The OWL concept will be developed through Government and Industry prototyping efforts. Technology Readiness Assessments (TRAs) were conducted in FY 2017 and FY 2018 to evaluate the industry and Government concepts in order to proceed with the 7.62mm EMD. The 5.56mm and NGSW follows the 7.62mm schedule with

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP4 / *One-Way Luminescence for Small Caliber Ammo*

EMD starting in FY 2021 for the 5.56mm variant after conducting a TRA and achieving Technology Readiness Level 6 (TRL6) in FY 2020. The new tracer cartridges will replace legacy tracers in each of the various small caliber configurations. EMD completed in FY 2024 and LRIP commenced in FY 2025.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP4 / *One-Way Luminescence for Small Caliber Ammo*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVCOM-AC Engineering Support 5.56mm	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	4.177	0.966	Feb 2024	-		-		-		-	0.000	5.143	-
		Subtotal	4.177	0.966		-		-		-		-	0.000	5.143	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Production Qualification Testing (PQT) 7.62mm	MIPR	Aberdeen Test Center : Aberdeen, MD	0.826	0.382	Feb 2024	-		-		-		-	0.000	1.208	-
Production Qualification Testing (PQT) 5.56mm	MIPR	Aberdeen Test Center : Aberdeen, MD	0.778	1.326	Nov 2023	-		-		-		-	0.000	2.104	-
Demilitarization Testing	MIPR	Tooele Army Depot : Tooele, Utah	-	0.306	Jun 2025	-		-		-		-	0.000	0.306	-
		Subtotal	1.604	2.014		-		-		-		-	0.000	3.618	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	5.781	2.980		-		-		-		-	0.000	8.761	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP4 / *One-Way Luminescence for Small Caliber Ammo*

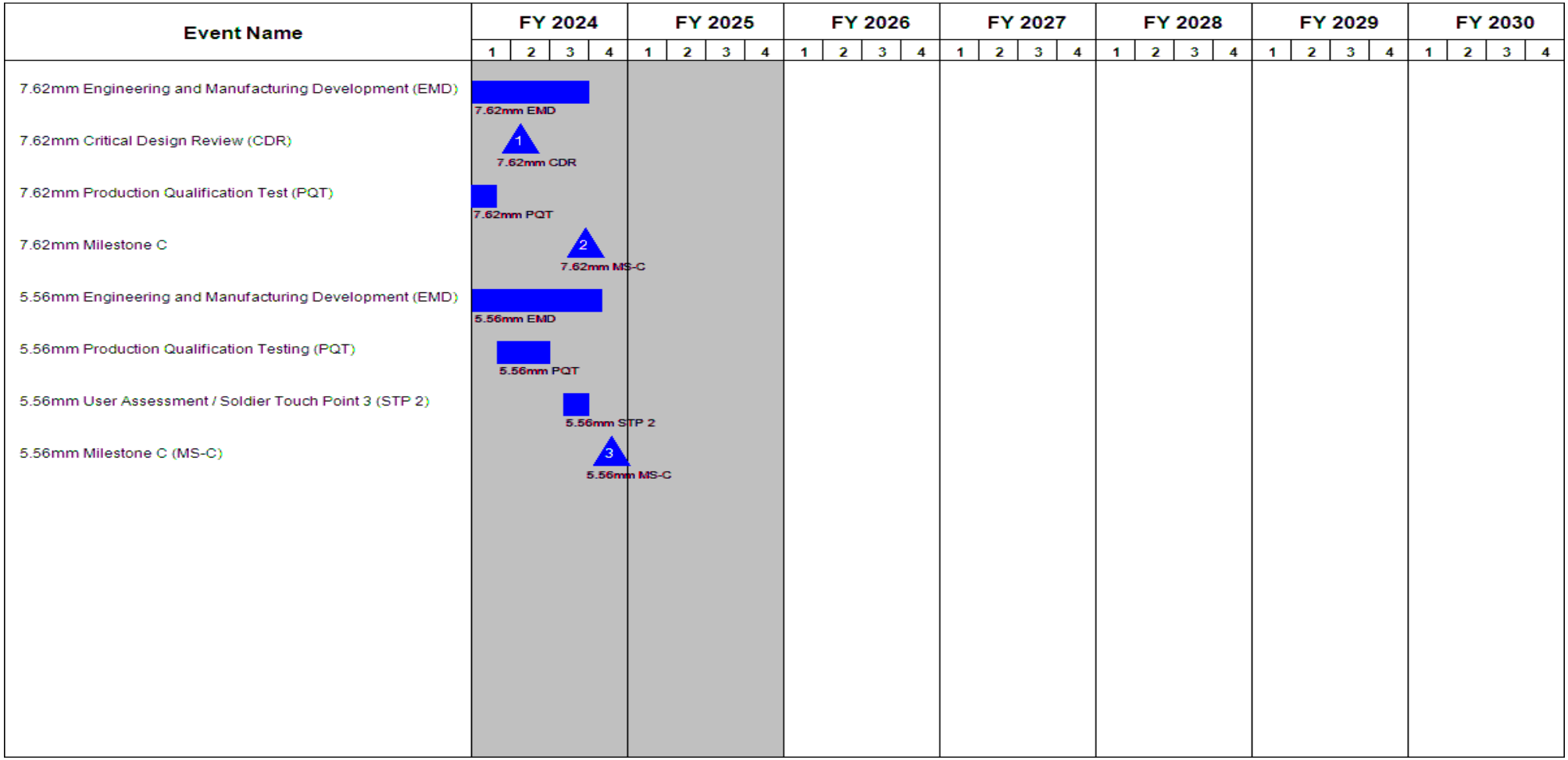


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP4 / *One-Way Luminescence for Small Caliber Ammo*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
7.62mm Materiel Development Decision (MDD)	4	2016	4	2016
7.62mm Multiple Concept Design Evaluation	1	2015	1	2019
7.62mm Milestone B (MS-B)	1	2019	1	2019
7.62mm Transitions from BA04 EB8 to BA05 EP4	1	2019	1	2019
7.62mm Engineering and Manufacturing Development (EMD)	1	2019	3	2024
7.62mm Design Verification Test	2	2019	3	2019
7.62mm Preliminary Design Review (PDR)	3	2019	3	2019
7.62mm Development Test & Evaluation (DT&E)	3	2020	3	2021
7.62mm User Assessment	4	2020	1	2021
7.62mm Pre-Production Qualification Test (PPQT)	4	2020	2	2021
7.62mm Critical Design Review (CDR)	2	2024	2	2024
7.62mm Limited User Evaluation (LUE)	2	2022	3	2022
7.62mm Production Qualification Test (PQT)	3	2023	1	2024
7.62mm Milestone C	3	2024	3	2024
5.56mm Materiel Development Decision (MDD)	3	2018	3	2018
5.56mm Project Starts on BA04 EB8	3	2018	3	2018
5.56mm Multiple Concept Design Evaluation	4	2018	4	2020
5.56mm Cavity Design Test	1	2020	3	2020
5.55 Technology Readiness Level 6 (TRL 6)	4	2020	4	2020
5.56mm Milestone B (MS-B)	1	2021	1	2021
5.56mm Transitions from BA04 EB8 to BA05 EP4	1	2021	1	2021
5.56mm Engineering and Manufacturing Development (EMD)	1	2021	4	2024

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP4 / *One-Way Luminescence for Small Caliber Ammo*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
5.56mm Design Verification Test	3	2021	4	2021
5.56mm Preliminary Design Review (PDR)	1	2022	1	2022
5.56mm User Assessment / Soldier Touch Point 1 (STP 1)	4	2022	4	2022
5.56mm Pre-Production Qualification Test (PPQT)	4	2022	1	2023
5.56mm Critical Design Review (CDR)	3	2023	3	2023
5.56mm Development Test & Evaluation (DT&E)	1	2023	2	2023
5.56mm Production Qualification Testing (PQT)	1	2023	2	2024
5.56mm User Assessment / Soldier Touch Point 3 (STP 2)	3	2024	3	2024
5.56mm Milestone C (MS-C)	4	2024	4	2024
Prototype & Concept Evaluation for Other Small Caliber Ammo	1	2020	4	2022

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP7 / *Aviation Airborne Expendable Countermeasures*	

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
EP7: *Aviation Airborne Expendable Countermeasures*	-	3.077	5.840	5.720	-	5.720	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Aviation Airborne Expendable Countermeasures (AAECM) will support Integrated System Design (ISD), System Capability (SC) and Manufacturing Process Demonstrations (MPD) on expendable countermeasure flares and decoys to include the XM215 Infrared (IR) countermeasure Flare and XM20 Radio Frequency (RF) expendables. These expendable countermeasures systems are an essential part of survivability equipment for Army aircraft. Army Research Development Technology & Evaluation (RDT&E) efforts are coordinated with Program Executive Office (PEO) Aviation to address the AAECM capability, a critical enabler for enduring aircraft and the Future Vertical Lift (FVL) - Aircraft Survivability Equipment (ASE) Cross Functional Team (CFT) within Army's Top modernization priorities.

These advanced decoys will address deficiencies in Army aircraft protection and the safety of its aircrews against advanced Man-Portable Air Defense Systems (MANPADS) and Surface-to-Air Missiles (SAM) systems. The project will also support ISD, SC and MPD on new expendable countermeasure munitions that will protect Army aircraft from advanced and proliferated current guided missile threats. Activities include modeling and simulation, flight testing, qualification testing, environmental considerations, safety enhancements, manufacturing enhancements, qualification of other service and foreign munitions that could meet current requirements, product improvements, insertion of new technologies to increase performance, and enhancement of current flare solutions for new and existing aircraft. Systems include impulse cartridges and aircraft expendables (to include RF expendables).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Improvements to Countermeasure Flares	3.077	5.627	5.720	-	5.720
Description: This program will develop XM215 Infrared and XM20 Radio Frequency expendable countermeasures to defeat specific threats of interest and qualify them for Army use. This program will also develop countermeasure patterns/cocktails solutions to integrate these new expendables with legacy countermeasures into Army's rotary wing and fixed wing aircraft. ***FY 2025 Plans:*** FY2025 funding will support XM20 MS C, model and simulation, Developmental Flight Test on AH64/CH47 aircrafts and Initial Operational Test and Evaluation (IOT&E) on UH60 aircraft to support First Unit Equipped. ***FY 2026 Base Plans:*** FY 2026 will continue to support Modeling and Simulation and Operations Flight Testing for the XM20. Funding supports developmental testing for AH64/CH47 aircraft and range and will conduct Air Worthiness Testing					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP7 / *Aviation Airborne Expendable Countermeasures*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
for the XM20. FY 2026 will support modeling and simulation for the XM215. For XM20, FY 2026 will support developmental testing, Milestone C achievement, and conduct operational testing on the UH60 platform. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to additional development testing for the XM20.					
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638	-	0.213	-	-	-
Accomplishments/Planned Programs Subtotals	3.077	5.840	5.720	-	5.720

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
• E49101: *Flare, Aircraft Countermeasure, RF (Passive)*	-	14.149	2.539	-	2.539	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

During the Materiel Solution Analysis (MSA), Milestone A phase, prototypes developed by the US Government (USG) and contractors were tested and evaluated against initial CDD requirements. The contractor developed XM20 design and the USG developed XM215 design were selected to enter into Engineering and Manufacturing Development (EMD), Milestone B phase, to finalize the design based on lessons learned from the MSA flight test and CDD requirements. Test assets are being procured from industry via Other Transaction Authority (OTA) contract mechanism since FY 2021 to support EMD. Final XM20 and XM215 and configurations to support production after MS C will be procured via Full and Open FAR based contracts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP7 / *Aviation Airborne Expendable Countermeasures*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer	Various	Various : Various	-	-		0.213		-		-		-	0.000	0.213	-
		Subtotal	-	-		0.213		-		-		-	0.000	0.213	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM20 Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	0.102	1.452	Oct 2023	1.678	Dec 2024	1.020	Oct 2025	-		1.020	Continuing	Continuing	-
		Subtotal	0.102	1.452		1.678		1.020		-		1.020	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM20 Operational Flight Testing	MIPR	Various : Various	3.428	0.922	Jun 2024	3.199	Jun 2025	0.800	Nov 2025	-		0.800	Continuing	Continuing	-
XM20 Modeling and Simulation	MIPR	Various : Various	1.125	0.703	Jan 2024	0.500	Jun 2025	0.800	Nov 2025	-		0.800	Continuing	Continuing	-
XM215 Modeling and Simulation	MIPR	Naval Air Warfare : China Lake, CA	0.881	-		0.250	Jun 2025	-		-		-	0.000	1.131	-
XM20 Air Worthiness Release Testing	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.100	Nov 2025	-		0.100	0.000	0.100	-
XM20 Development Testing & Evaluation AH64/CH47 Aircraft	MIPR	DEVCOM Aviation and Missel Center : Redstone Arsenal, AL	-	-		-		1.000	Nov 2025	-		1.000	0.000	1.000	-
XM20 Development Testing & Evaluation AH64/CH47 Range	MIPR	Naval Air Warfare : China Lake, CA	-	-		-		2.000	Nov 2025	-		2.000	0.000	2.000	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EP7 / *Aviation Airborne Expendable Countermeasures*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	5.434	1.625		3.949		4.700		-		4.700	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	5.536	3.077		5.840		5.720		-		5.720	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP7 / *Aviation Airborne Expendable Countermeasures*

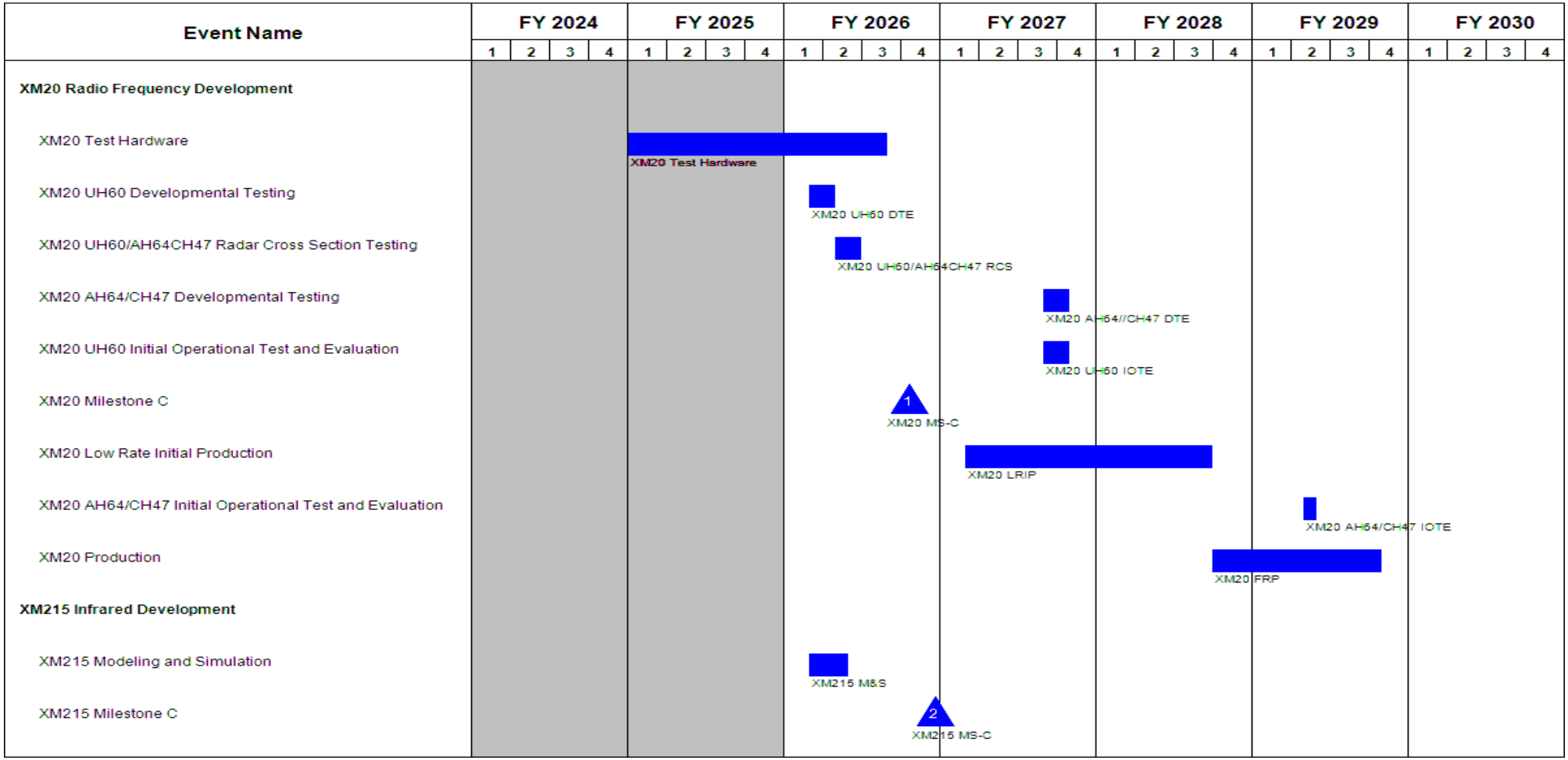
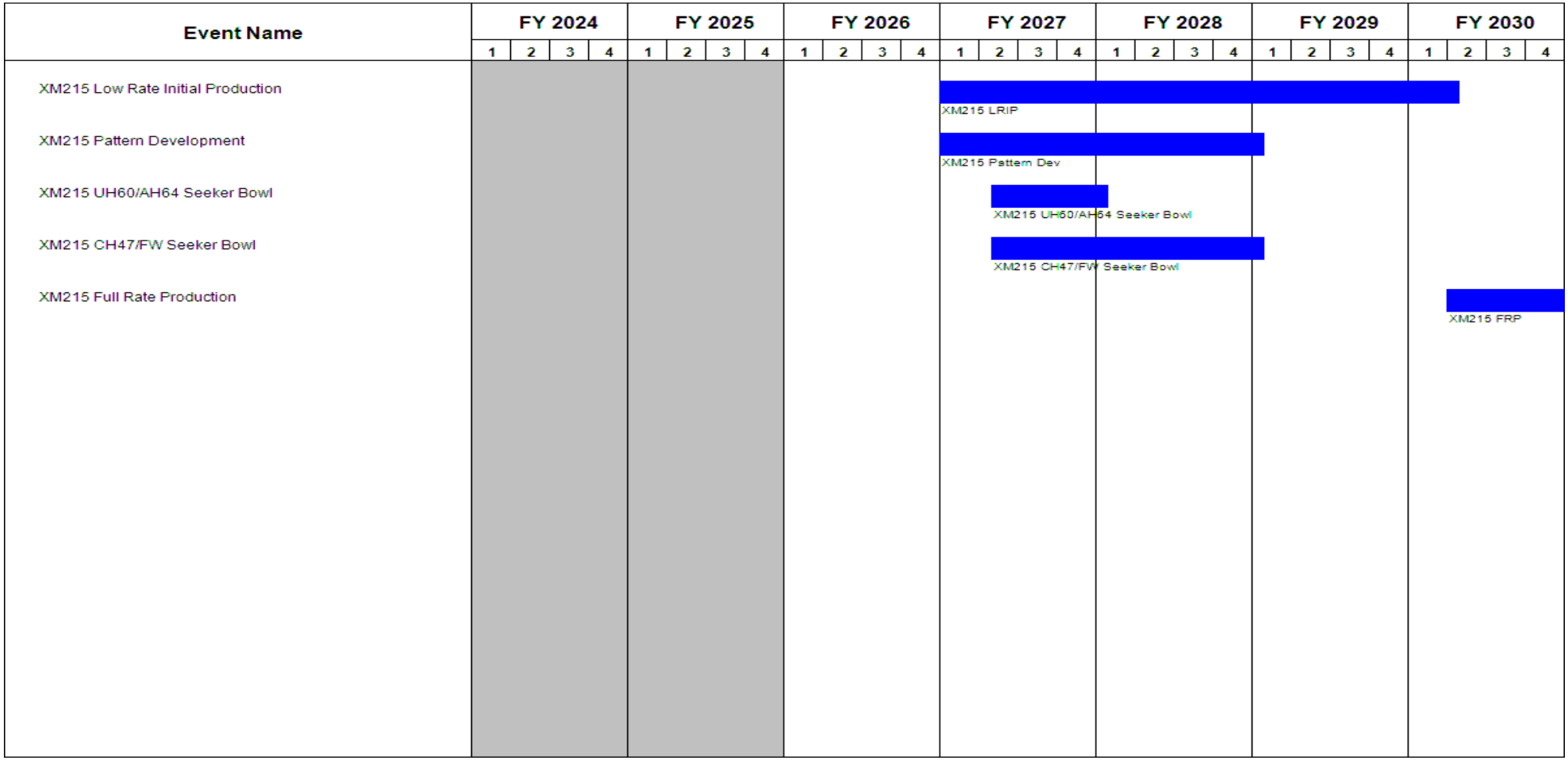


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP7 / *Aviation Airborne Expendable Countermeasures*



Note

Project EB9 / Aviation Airborne Expendable Countermeasures within PE 0603639A / Tank and Medium Caliber Ammunitions transitions to Engineering and Manufacturing Development (EMD) under Project EP7 / Aviation Airborne Expendable Countermeasures within PE 0604802A / Weapons and Munitions - Eng Dev.

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EP7 / *Aviation Airborne Expendable Countermeasures*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
XM20 Radio Frequency Development	1	2019	4	2031
XM20 Milestone A	1	2019	1	2019
XM20 Test Hardware	1	2025	3	2026
XM20 UH60 Developmental Testing	1	2026	2	2026
XM20 UH60/AH64CH47 Radar Cross Section Testing	2	2026	2	2026
XM20 AH64/CH47 Developmental Testing	3	2027	4	2027
XM20 UH60 Initial Operational Test and Evaluation	3	2027	4	2027
XM20 Milestone C	4	2026	4	2026
XM20 Low Rate Initial Production	1	2027	3	2028
XM20 AH64/CH47 Initial Operational Test and Evaluation	2	2029	2	2029
XM20 Production	4	2028	4	2029
XM20 Developmental Testing	2	2022	4	2022
XM20 Prototype Development	1	2019	4	2019
XM20 Data Analysis	1	2021	2	2021
XM20 Development Contract	2	2021	4	2022
XM20 Modeling and Simulation	3	2020	4	2020
XM20 Milestone B	2	2021	2	2021
XM20 Flight Testing	2	2020	2	2020
XM20 Critical Design Review	2	2022	2	2022
XM20 Demonstrations	2	2019	3	2019
XM20 Technology Maturation and Risk Reduction	1	2020	2	2021
XM215 Infrared Development	1	2019	4	2031

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
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	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
XM215 Milestone A	1	2019	1	2019
XM215 Prototyping	1	2019	2	2020
XM215 Down Select	3	2019	3	2019
XM215 Testing Efforts (Stability/Heat/Cold)	3	2019	2	2020
XM215 Flight Testing	1	2020	2	2020
XM215 Milestone B	2	2020	2	2020
XM215 Engineering and Manufacturing Development	2	2020	4	2023
XM215 Design Verification Test	2	2021	3	2021
XM215 Flight Test	2	2021	2	2021
XM215 Prototype Build	3	2021	4	2023
XM215 Flight Test 2	1	2023	1	2023
XM215 Developmental and Operational Testing	2	2023	4	2023
XM215 Modeling and Simulation	1	2026	2	2026
XM215 Milestone C	4	2026	4	2026
XM215 Low Rate Initial Production	1	2027	2	2030
XM215 Pattern Development	1	2027	1	2029
XM215 UH60/AH64 Seeker Bowl	2	2027	1	2028
XM215 CH47/FW Seeker Bowl	2	2027	1	2029
XM215 Full Rate Production	2	2030	2	2034

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EU4 / *40mm HV Improved High Explosive Dual Purpose*	

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
EU4: *40mm HV Improved High Explosive Dual Purpose*	-	-	1.503	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

40 millimeter (mm) High Velocity (HV) High Explosive Dual Purpose - Air burst (HEDP-AB) is a new capability identified as a Warfighter counter-defilade requirement in the 40mm High Velocity Improved High Explosive Dual Purpose Cartridge Capability Development Document (CDD) and will provide the Mk19 Mod 3 Grenade Machine Gun (GMG) an airburst capable cartridge with the ability of achieving required lethal effects against enemy targets in the open and in defilade while maintaining the capability to defeat unarmored and lightly armored vehicles. XM1176 HEDP-AB cartridges are manufactured by de-fuzing legacy M430A1 cartridges and installing a new airburst capable fuze onto the M430A1 warhead.

In FY 2024, Project EU4 / 40mm HV Improved High Explosive Dual Purpose was a Skip-Year. In FY 2026 there is no funding request.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Engineering and Manufacturing Development (EMD) ***Description:*** Award EMD contracts to support Design Engineering Testing (DET) and Developmental Test & Evaluation (DT&E) of the 40mm dual purpose airburst capability. ***FY 2025 Plans:*** FY 2025 funding supports Live fire Test and Evaluation (LFT&E). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY2026 funding decrease due to transitioning to procurement and is consistent with the planned life cycle of this effort.	-	1.448	-	-	-
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:***	-	0.055	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU4 / *40mm HV Improved High Explosive Dual Purpose*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Funding transferred in accordance with Title 15 USC §638					
Accomplishments/Planned Programs Subtotals	-	1.503	-	-	-

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
• E70505: *CTG, 40MM HV HEDP-AB*	34.693	13.926	0.079	-	0.079	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The 40mm HV HEDP-AB cartridge was developed through a competitive EMD program. Milestone B approval was followed by a competitive award for the EMD phase which included DET 1 and DET 2 and an option for DT&E. One contractor was awarded to develop an air burst capable fuze to be retrofitted onto the currently fielded, High Explosive Dual Purpose cartridges and develop a Programming Unit. Test results will support the documentation for Milestone C. After Milestone C is achieved, a contract option will be awarded for Low Rate Initial Production 1 (LRIP-1) followed by options for Low Rate Initial Production 2 (LRIP-2) and Production Year 1 (PY1).

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EU4 / *40mm HV Improved High Explosive Dual Purpose*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	variuos : various	-	-		0.055		-		-		-	0.000	0.055	-
		Subtotal	-	-		0.055		-		-		-	0.000	0.055	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Live Fire Test & Evaluation	MIPR	Aberdeen Test Center (ATC) : Aberdeen Proving Ground, Md	0.573	-		1.448	Jul 2025	-		-		-	0.000	2.021	-
		Subtotal	0.573	-		1.448		-		-		-	0.000	2.021	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.573	-		1.503		-		-		-	0.000	2.076	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU4 / *40mm HV Improved High Explosive Dual Purpose*

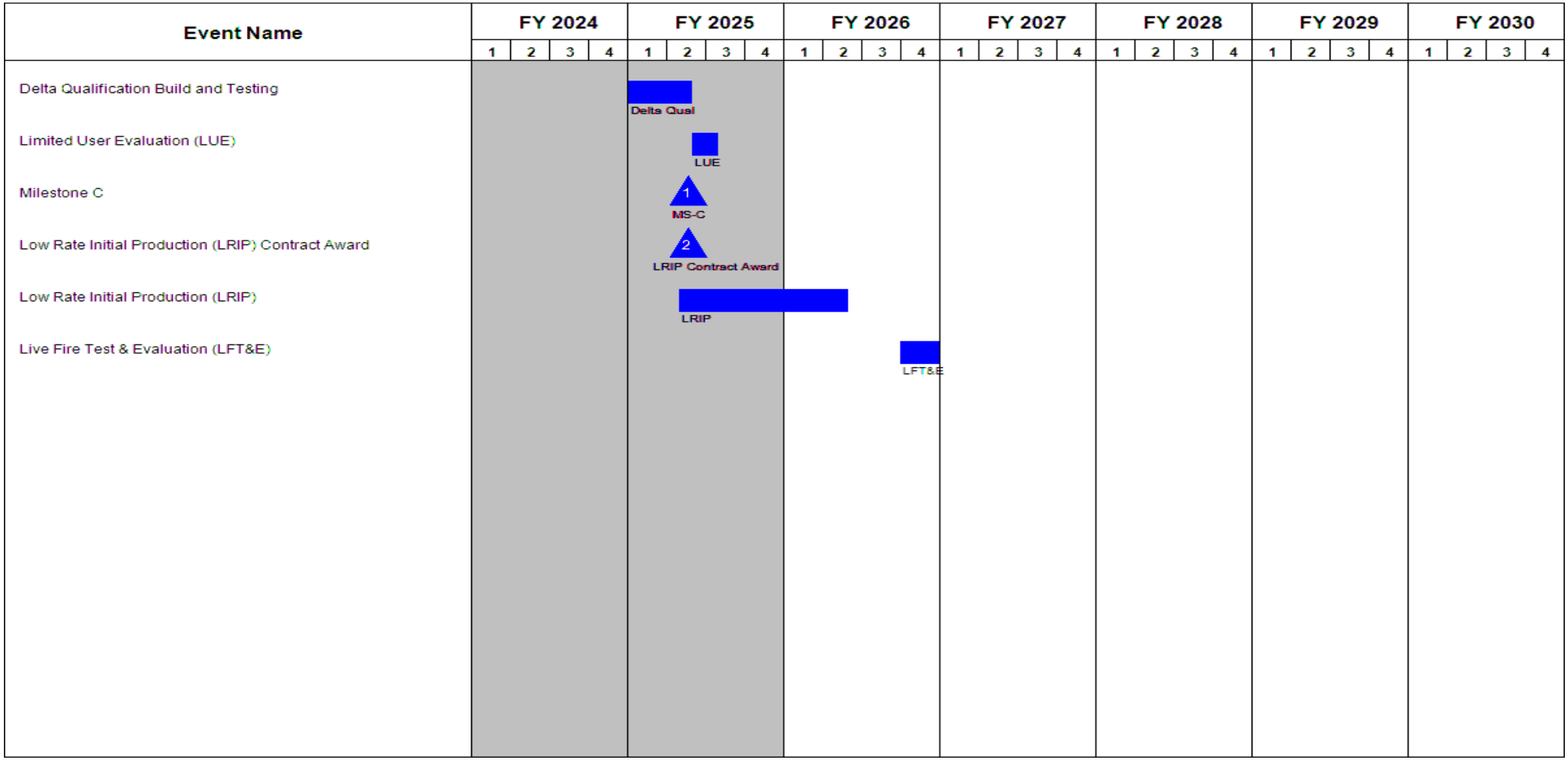

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU4 / *40mm HV Improved High Explosive Dual Purpose*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Milestone B Support Documents	2	2017	4	2018
Milestone B	4	2018	4	2018
Engineering and Manufacturing Development (EMD)	4	2018	4	2022
Test Readiness Review for Design Engineering Test 1	4	2019	4	2019
Design Engineering Test (DET) 1	1	2020	2	2020
Test Readiness Review for Design Engineering Test 2	2	2020	2	2020
Design Engineering Test (DET) 2	3	2020	4	2020
Developmental Test & Evaluation (DT&E) Contract Award	4	2020	4	2020
Critical Design Review (CDR)	1	2021	1	2021
Developmental Test & Evaluation (DT&E) Build	3	2021	2	2022
Developmental Test & Evaluation (DT&E)	2	2022	4	2023
Delta Qualification Build and Testing	1	2025	2	2025
Limited User Evaluation (LUE)	2	2025	3	2025
Milestone C	2	2025	2	2025
Low Rate Initial Production (LRIP) Contract Award	2	2025	2	2025
Low Rate Initial Production (LRIP)	2	2025	2	2026
Live Fire Test & Evaluation (LFT&E)	4	2026	4	2026

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EU6 / *155mm HE Rocket Assist Project Extended Range*	

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
EU6: *155mm HE Rocket Assist Project Extended Range*	-	27.722	15.631	16.302	-	16.302	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The 155 millimeter (mm) Next Generation Rocket Assisted Projectile (NGRAP) supports the modernization priorities identified in the Army's Cannon Transformation Strategy. This Project develops an innovative rocket design with a lethal warhead that is compatible with unguided and guided fuzes to meet extended range and accuracy requirements. The NGRAP will first deliver a solution to increase ranges from 30km to 40km in current 39 caliber systems. The NGRAP develops improved accuracy, lethality, and ranges utilizing 39 and Extended Range Cannons. FY (Fiscal Year) 2026 funding will support engineering efforts to assess technical designs and maturation in support of the Engineering and Manufacturing Development (EMD) phase of NGRAP.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Next Generation Rocket Assisted Projectile (NGRAP) ***Description:*** The Next Generation Rocket Assisted Projectile (NGRAP) will continue development of High Explosive (HE) Rocket Assisted Projectile (RAP) which replaced obsolete M549A1 in 39 caliber weapon systems while focusing on improved ranges utilizing cannon lengths greater than or equal to 52-caliber. ***FY 2025 Plans:*** FY 2025 Funding will continue to support Next Generation Rocket Assisted Projectile (NGRAP) development and testing activities to verify all weapon, propellant and fuze interoperability requirements. ***FY 2026 Base Plans:*** FY 2026 funding supports development activities to build, test, and evaluate a solution that meets the requirements specified in the Next Generation Rocket Assisted Projectile (NGRAP) Capabilities Development Document (CDD). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding Increase due to expected inflation	27.722	15.631	16.302	-	16.302
Accomplishments/Planned Programs Subtotals	27.722	15.631	16.302	-	16.302

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU6 / *155mm HE Rocket Assist Project Extended Range*

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
• E66501: *PROJ, 155mm ARTY HE RAP, XM1113*	-	23.363	84.443	-	84.443	-	-	-	-	-	-

Remarks

Procurement of Ammunition, Army (PAA) budget line item, Standard Study Number E66501 has been established to resource the procurement of XM1113 quantities.

D. Acquisition Strategy

The Next Generation Rocket Assisted Projectile (NGRAP) utilizes the competitively awarded Department of Defense (DoD) Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) initiative with General Dynamics Ordnance and Tactical Systems (GD-OTS) to continue the High Explosive (HE) Rocket Assisted Projectile (RAP) development efforts. United States Government (USG) will continue to partner with industry to develop a Performance Requirement Document. In addition, OTAs and Government Agreements will continue to expand the supply chain for future competition, eliminate single point failure risks, analyze alternative manufacturing methods, and meet large forecasted production rates. A Federal Acquisition Regulation (FAR) based production contract will be implemented to support NGRAP requirements.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EU6 / *155mm HE Rocket Assist Project Extended Range*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	1.820	0.100	Oct 2023	0.100	Oct 2024	0.115	Oct 2025	-		0.115	0.000	2.135	-
		Subtotal	1.820	0.100		0.100		0.115		-		0.115	0.000	2.135	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DOTC - HE RAP/ NGRAP Engineering and Manufacturing Development (EMD)	MIPR	DoD Ordnance Technology Consortium Other Transaction Agreement (DOTC OTA) : Various	101.065	23.620	Nov 2023	10.881	Dec 2024	4.698	Dec 2025	-		4.698	0.000	140.264	-
		Subtotal	101.065	23.620		10.881		4.698		-		4.698	0.000	140.264	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	13.904	2.466	Nov 2023	2.650	Oct 2024	4.309	Oct 2025	-		4.309	0.000	23.329	-
Fire Control Software Integration	MIPR	U.S. Army Communications-Electronics Command	0.200	0.100	Nov 2023	-		4.100	Dec 2025	-		4.100	0.000	4.400	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EU6 / *155mm HE Rocket Assist Project Extended Range*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		(CECOM) : Aberdeen, MD													
		Subtotal	14.104	2.566		2.650		8.409		-		8.409	0.000	27.729	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Qualification Testing	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	14.381	1.436	Jan 2024	2.000	Jan 2025	3.080	Jan 2026	-		3.080	0.000	20.897	-
		Subtotal	14.381	1.436		2.000		3.080		-		3.080	0.000	20.897	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	131.370	27.722		15.631		16.302		-		16.302	0.000	191.025	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU6 / *155mm HE Rocket Assist Project Extended Range*

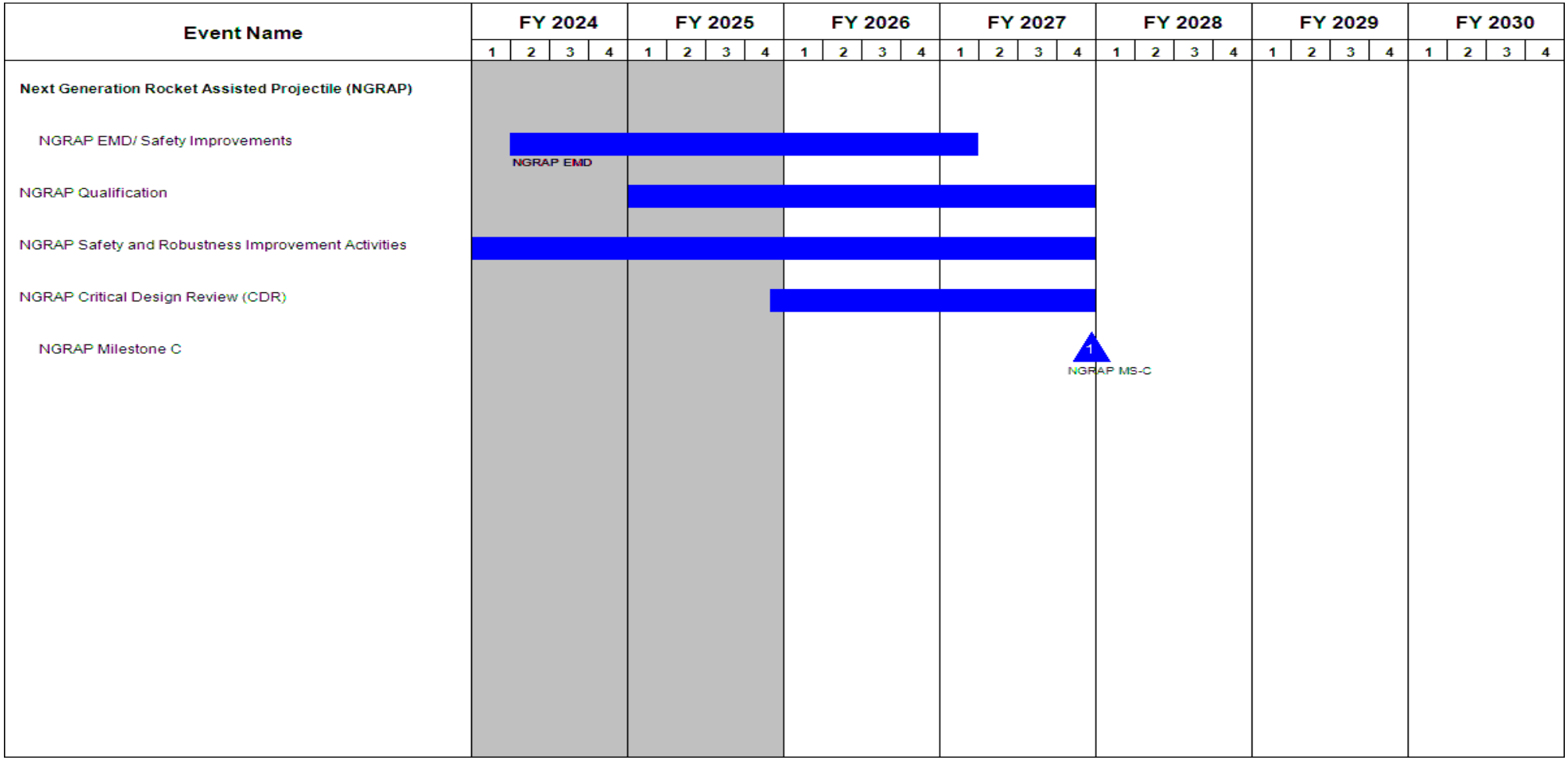

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EU6 / *155mm HE Rocket Assist Project Extended Range*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Next Generation Rocket Assisted Projectile (NGRAP)	1	2025	4	2027
NGRAP EMD/ Safety Improvements	1	2024	1	2027
NGRAP Qualification	1	2025	4	2027
NGRAP Safety and Robustness Improvement Activities	1	2021	4	2027
NGRAP Critical Design Review (CDR)	4	2025	4	2027
NGRAP Milestone C	4	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EW1 / *40mm Low Velocity Ammunition*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EW1: *40mm Low Velocity Ammunition*	-	0.079	0.107	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, Project EW1 / 40mm Low Velocity Ammunition has no additional RDTE efforts and will be terminating. FY 2025 funding is being utilized to set program to a safety release status that will allow another Service to continue development if desired.

A. Mission Description and Budget Item Justification

The 40 millimeter (mm) Low Velocity High Explosive Air Burst (HEAB) is a new capability identified as a Warfighter counter-defilade requirement in the Capability Development Document (CDD), 40mm Low Velocity (LV) Family of Ammunition Annex. The HEAB tactical cartridge allows the Warfighter to engage targets at increased effective ranges using the 40mm M320 Grenade Launcher. The HEAB cartridge provides the grenadier with a higher probability of achieving a first shot kill against enemy personnel, coupled with the ability to defeat personnel targets in defilade positions. When deployed against point and area targets, the cartridge inflicts incapacitating effects against personnel beyond those offered by the current M433 High Explosive Dual Purpose (HEDP) cartridge. The cartridge provides lethal effects against targets with improved accuracy and greater standoff ranges resulting in increased soldier survivability. In FY 2026 there is no funding request.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 40mm LV HEAB, XM1166 ***Description:*** Engineering Manufacturing Development (EMD) of the 40mm LV HEAB munition. ***FY 2025 Plans:*** Fiscal Year (FY) 2025 funding will be used to support an early user assessment for the XM1166 HEAB. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to program ending all RDTE activities as it transitions to procurement to a safety release of this round.	0.079	0.103	-	-	-
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:***	-	0.004	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EW1 / *40mm Low Velocity Ammunition*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
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	0.079	0.107	-	-	-

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
• E71005: *CTG, 40MM LV HEAB*	-	6.934	-	-	-	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The HEAB cartridge will be developed through a competitive Engineering and Manufacturing Development (EMD) Program. Potential designs were evaluated as part of the pre-EMD activities using a Cooperative Research and Development Agreement (CRADA) with contractors. For EMD, the Government awarded two contracts utilizing an Other Transaction Agreement (OTA) through Department of Defense (DoD) Ordnance Technology Consortium (DOTC). The EMD phase will consist of a series of Design Engineering Tests (DET) to assess the Contractors' design progress and ability of achieving the program objectives. Any shortcomings and deficiencies will be addressed prior to Developmental Test & Evaluation (DT&E). After DT&E and a successful Milestone C, the Government will award a single contract for Low Rate Initial Production (LRIP) and four production year options utilizing a follow-on Federal Acquisition Regulation (FAR) based contract.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) EW1 / *40mm Low Velocity Ammunition*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.004		-		-		-	0.000	0.004	-
		Subtotal	-	-		0.004		-		-		-	0.000	0.004	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Manager Maneuver Ammunition Systems (PM MAS)	Various	Picatinny Arsenal : Picatinny Arsenal, NJ	-	0.079	Nov 2024	-		-		-		-	0.000	0.079	-
		Subtotal	-	0.079		-		-		-		-	0.000	0.079	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Early User Assessment	MIPR	Aberdeen Test Center (ATC) : Aberdeen, MD	0.273	-		0.103	Jul 2025	-		-		-	0.000	0.376	-
		Subtotal	0.273	-		0.103		-		-		-	0.000	0.376	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.273	0.079		0.107		-		-		-	0.000	0.459	N/A

Remarks

Notes:
Low Velocity (LV)
High Explosive Air Burst (HEAB)

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EW1 / *40mm Low Velocity Ammunition*

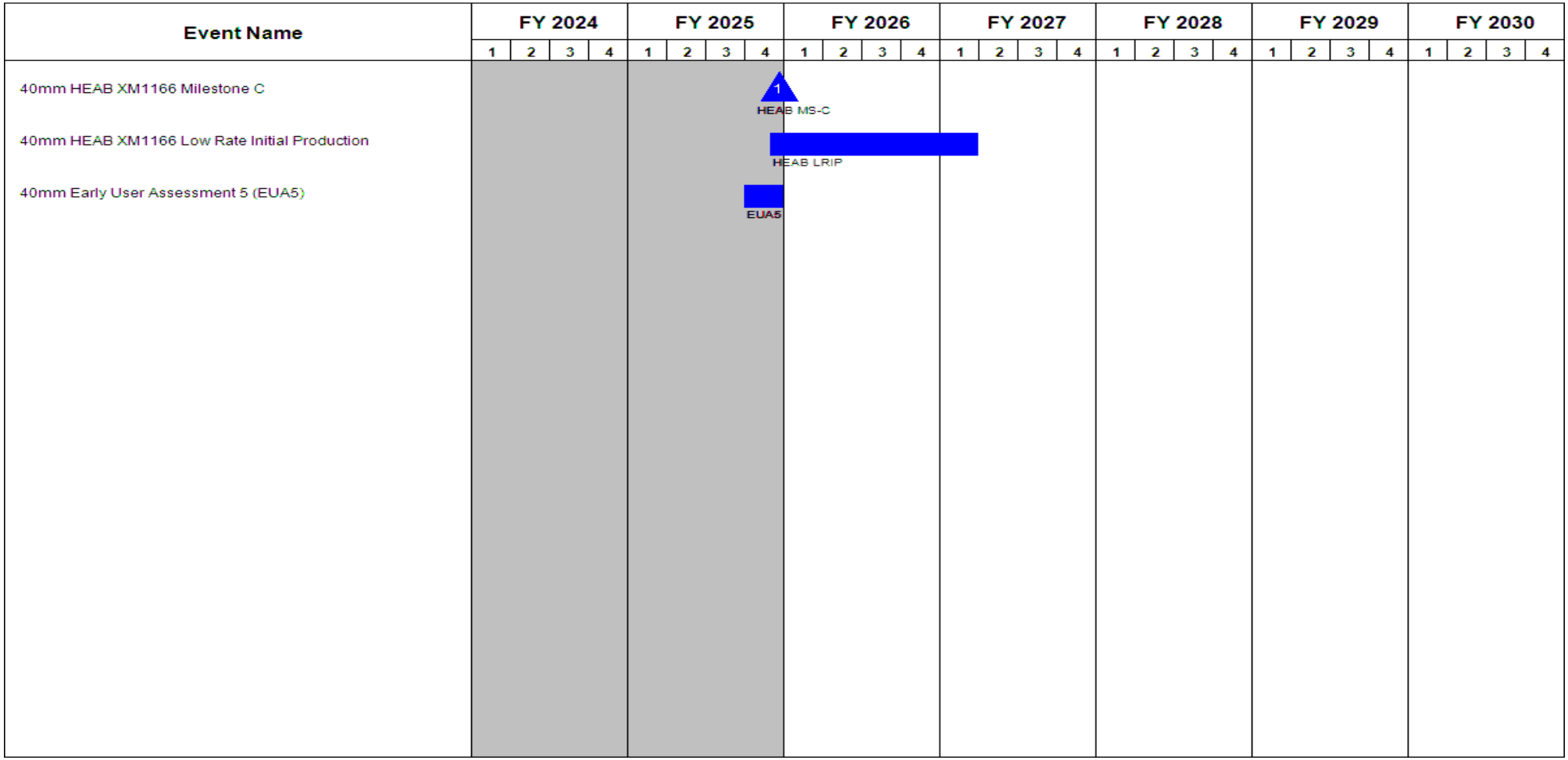

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** EW1 / *40mm Low Velocity Ammunition*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
40mm HEAB XM1166 Cooperative Research & Development Agreement (CRADA) Testing	3	2017	1	2018
40mm HEAB XM1166 Milestone B	4	2018	4	2018
40mm HEAB XM1166 Engineering Manufacturing Development	4	2018	4	2022
40mm HEAB XM1166 Preliminary Design Review	2	2019	2	2019
40mm HEAB XM1166 Design Engineering Test DET 1	1	2020	2	2020
40mm Soldier Touch Point 1 (STP1)	1	2020	2	2020
40mm HEAB XM1166 Design Engineering Test DET 2	4	2020	2	2021
40mm Soldier Touch Point 2 (STP2)	2	2021	2	2021
40mm HEAB XM1166 Critical Design Review	3	2022	3	2022
40mm HEAB XM1166 Design Engineering Test DET 3	3	2021	4	2021
40mm HEAB XM1166 Subsystem Testing	1	2022	3	2022
40mm Soldier Touch Point 3 (STP3)	4	2022	4	2022
40mm HEAB XM1166 DT&E	2	2023	4	2023
40mm Soldier Touch Point 4 (STP4)	3	2023	3	2023
40mm HEAB XM1166 Milestone C	4	2025	4	2025
40mm HEAB XM1166 Low Rate Initial Production	4	2025	1	2027
40mm Early User Assessment 5 (EUA5)	4	2025	4	2025

Note

millimeter (mm)
Low Velocity (LV)
High Explosive Air Burst (HEAB)

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FA6 / *30mm Lethality*	

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
FA6: *30mm Lethality*	-	2.904	-	9.863	-	9.863	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

30mm Lethality is a new start within the Weapons and Munitions - Eng Dev program in FY 2026.

A. Mission Description and Budget Item Justification

The 30 millimeter (mm) Lethality project funds the development of the family of 30mm cartridges, to provide anti-personnel effects, counter defilade, anti-materiel and counter unmanned aerial systems (C-UAS). This ammunition will increase the effectiveness and lethality for all platforms equipped with a medium caliber 30mm weapon system to include the Stryker Infantry Carrier Vehicle (ICV) and proposed Next Generation Combat Vehicle (NGCV) variants. The tactical Armor Piercing cartridge will provide an organic direct fire capability to support infantry at a greater range and will improve lethality when engaging light-to-medium armored vehicles. The airburst cartridge will provide the Warfighter with increased lethality against troops in the open, counter defilade, Anti-Tank Guided Missile (ATGM) teams, troops behind urban structures and counter unmanned aerial systems . The training cartridges will be ballistically matched to the tactical cartridges, allowing the Warfighter to train in a cost-effective manner, and on CONUS and OCONUS training ranges.

In FY 2026, this project FA6 / 30mm Lethality will support Developmental Test and Evaluation (DT&E), Live Fire Test and Evaluation (LFT&E), and Milestone C preparation for the Armor Piercing (AP) cartridge and obtain test hardware, conduct Live Fire Test and Evaluation (LFT&E), and Lethality Assessment Capstone Event (LACE) for the High Explosive Airburst (HEAB) cartridge.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 30mm Armor Piercing tactical and training cartridge	1.104	-	4.783	-	4.783
Description: Qualify 30mm armor piercing tactical and training cartridges for use on Stryker ICV, NGCV or other Army Future Fighting Vehicles. ***FY 2026 Base Plans:*** Conduct Developmental Test and Evaluation (DT&E), Live Fire Test and Evaluation (LFT&E), and Milestone C preparation. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase to fund planned FY 2026 activities.					
Title: 30mm High Explosive Airburst tactical and training cartridge	1.800	-	5.080	-	5.080

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FA6 / *30mm Lethality*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Description: Develop and qualify a 30mm airburst cartridge and trainer for use on Stryker Infantry Combat Vehicles (ICV), Next Generation Combat Vehicles (NGCV), or other Army Future Fighting Vehicles. ***FY 2026 Base Plans:*** Obtain test hardware and conduct Live Fire Test and Evaluation (LFT&E) and Lethality Assessment Capstone Event (LACE). Develop 30mm Unmanned Aerial Systems (UAS) Proximity cartridge and ammunition to support tactical round training needs. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase to fund planned FY 2026 activities.					
Accomplishments/Planned Programs Subtotals	2.904	-	9.863	-	9.863

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
• E07610: *CTG, 30MM, HEAB-T*	44.694	14.217	29.692	-	29.692	-	-	-	-	-	-
• E07306: *CTG, 30MM TP-T*	14.189	0.650	7.868	-	7.868	-	-	-	-	-	-
• E09191: *CTG, 30MM TPDS-T*	6.422	1.891	8.149	-	8.149	-	-	-	-	-	-
• E09292: *CTG, 30MM APFSDS-T*	-	-	9.372	-	9.372	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

30mm Armor Piercing tactical and training cartridge: Proposals were requested from Industry to develop a 30mm anti-materiel tactical cartridge and ballistically matched training cartridge that will meet Army Performance Specifications and Stryker Lethality Annex Requirements. The Government awarded two contracts utilizing an Other Transaction Agreement (OTA) through Department of Defense (DoD) Ordnance Technology Consortium (DOTC) to support development, Design Engineering Tests (DET) and down-selected to one contract for Developmental Test & Evaluation (DT&E) in support of Milestone C. The Government will award Federal Acquisition Regulation (FAR)-based contracts for production of each cartridge.

30mm High Explosive Airburst tactical and training cartridge: In support of the approved 30mm Multi-Function Munition Capability Development Document (CDD), the 30mm High Explosive Airburst tactical and the ballistically matched trainer cartridge will be developed to meet the requirements. The Government awarded two contracts utilizing an Other Transaction Agreement (OTA) through Department of Defense (DoD) Ordnance Technology Consortium (DOTC) to support development, Design Engineering Tests (DET) and down-selected to one contract for Developmental Test & Evaluation (DT&E) in support of Milestone C. The Government will award a single FAR-based contract for production of the High Explosive Airburst tactical and training cartridges.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FA6 / *30mm Lethality*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
AP Corrective Action and DTE Asset Rebuild	C/CPFF	General Dynamics - Ordnance and Tactical Systems (GD-OTS) : Marion, IL	4.990	1.696	Oct 2024	-		1.972	Jan 2026	-		1.972	0.000	8.658	-
		Subtotal	4.990	1.696		-		1.972		-		1.972	0.000	8.658	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Development Command - Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	15.253	0.446	Dec 2024	-		1.013	Jan 2026	-		1.013	0.000	16.712	-
		Subtotal	15.253	0.446		-		1.013		-		1.013	0.000	16.712	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
AP Developmental Test and Evaluation (DTE) Test	MIPR	Aberdeen Test Center (ATC) : Aberdeen Proving Ground, MD	1.299	0.198	Aug 2024	-		1.007	Jan 2026	-		1.007	0.000	2.504	-
AP Live Fire Test and Evaluation (LFTE)	MIPR	Army Research Lab (ARL) : Adelphi, Maryland	-	-		-		0.538	Jun 2026	-		0.538	0.000	0.538	-
AP Live Fire Test and Evaluation (LFTE) Assessment	MIPR	DEVCOM Analysis Center (DAC) : Aberdeen, Maryland	-	0.255	Jun 2024	-		0.253	Aug 2026	-		0.253	0.000	0.508	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FA6 / *30mm Lethality*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
HEAB Live Fire Test & Evaluation (LFTE), Lethality Assessment Capstone Event (LACE), test targets	MIPR	Aberdeen Test Center (ATC) : Aberdeen Proving Ground, MD	-	-		-		5.080	Mar 2026	-		5.080	0.000	5.080	-
HEAB Wall Targets	MIPR	Redstone Test Center (RTC) : Redstone, AL	-	0.309	Jun 2024	-		-		-		-	0.000	0.309	-
		Subtotal	1.299	0.762		-		6.878		-		6.878	0.000	8.939	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	21.542	2.904		-		9.863		-		9.863	0.000	34.309	N/A

Remarks

Design Engineering Tests (DET)
Engineering and Manufacturing Development (EMD)

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FA6 / *30mm Lethality*

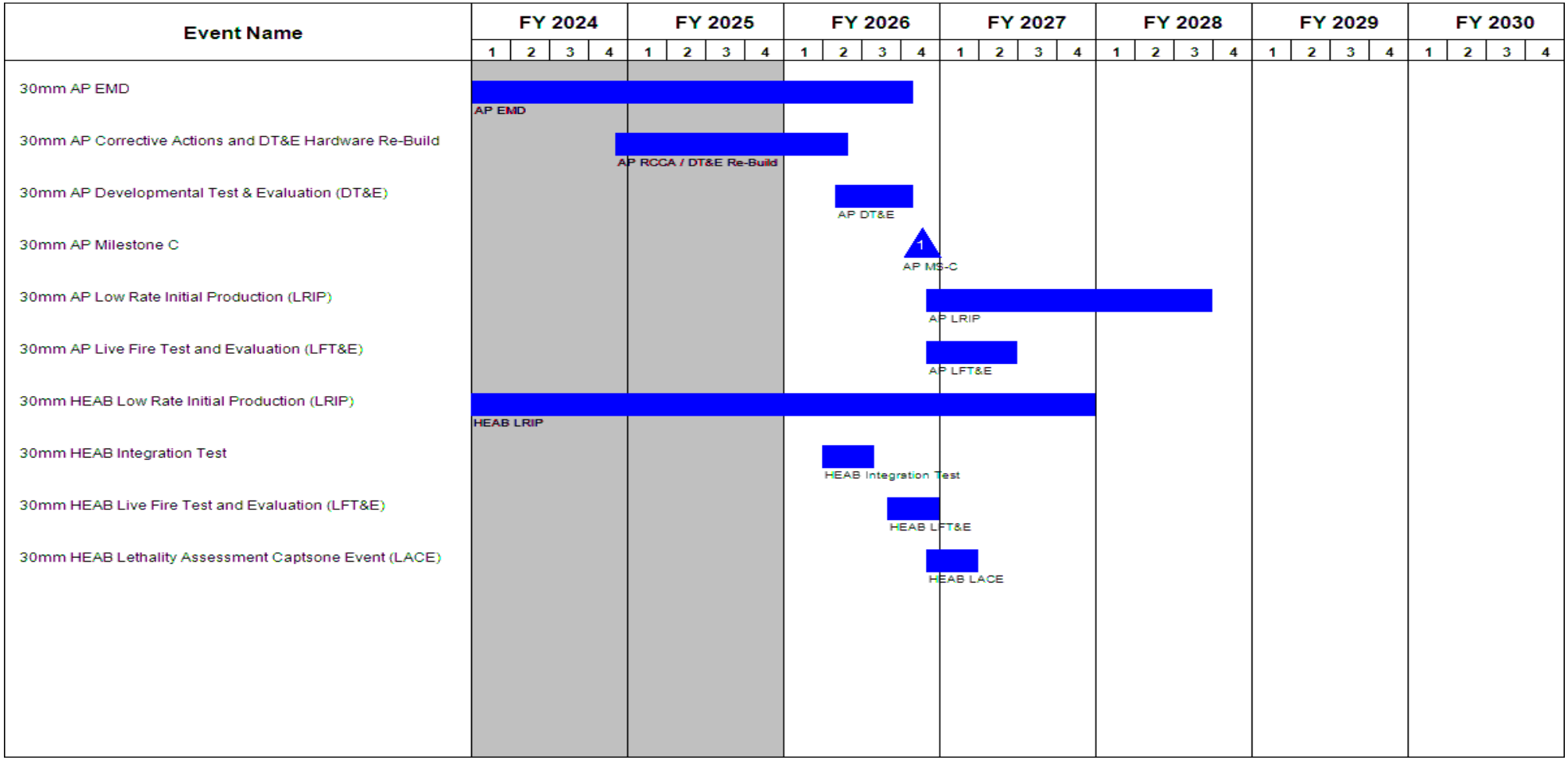

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FA6 / *30mm Lethality*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
30mm AP EMD	1	2024	4	2026
30mm AP Critical Design Review (CDR)	2	2022	2	2022
30mm AP Corrective Actions and DT&E Hardware Re-Build	4	2024	2	2026
30mm AP Developmental Test & Evaluation (DT&E)	2	2026	4	2026
30mm AP Milestone C	4	2026	4	2026
30mm AP Low Rate Initial Production (LRIP)	4	2026	3	2028
30mm AP Live Fire Test and Evaluation (LFT&E)	4	2026	2	2027
30mm HEAB EMD	3	2020	3	2023
30mm HEAB Critical Design Review (CDR)	1	2022	1	2022
30mm HEAB DT&E Build	4	2021	2	2022
30mm HEAB Developmental Test & Evaluation (DT&E)	2	2022	2	2023
30mm HEAB Milestone C	3	2023	3	2023
30mm HEAB Low Rate Initial Production (LRIP)	3	2023	4	2027
30mm HEAB Integration Test	2	2026	3	2026
30mm HEAB Live Fire Test and Evaluation (LFT&E)	3	2026	4	2026
30mm HEAB Lethality Assessment Captsone Event (LACE)	4	2026	1	2027

Note

Engineering Manufacturing Development (EMD)
Armor Piercing (AP)
High Explosive Airburst (HEAB)

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FJ4: *Cannon-Delivered Area Effects Munitions (C-DAEM)*	-	81.966	93.267	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Cannon-Delivered Area Effects Munitions (C-DAEM) Project will provide United States (U.S.) ground forces with the capability to engage area personnel through armored targets, while denying threat forces full operational freedom within the targeted area. An Analysis of Alternatives (AoA) was completed in January 2018 to inform Army acquisition and investment decisions regarding replacement of the current stockpile of 155 millimeter (mm) Dual Purpose Improved Conventional Munitions (DPICM) with Department of Defense (DoD) policy compliant munitions and address anti-armor and extended range capability requirements. The Army validated two materiel solutions for C-DAEM to be pursued in parallel to support the Army's modernization priorities: C-DAEM Armor and C-DAEM DPICM Replacement. C-DAEM Armor will destroy moved and moving self-propelled howitzers, infantry fighting vehicles and tanks. C-DAEM DPICM Replacement will destroy personnel through soft-skinned targets. This Project does not have a Fiscal Year (FY 2026) Budget Request.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: C-DAEM Armor	81.966	93.267	-	-	-
Description: C-DAEM Armor will destroy moved and moving self-propelled howitzers, infantry fighting vehicles and tanks. ***FY 2025 Plans:*** FY 2025 funding will continue to support C-DAEM Armor development and testing activities as well as engineering efforts required to integrate the M-Code Global Positioning System (GPS) Receiver into the selected C-DAEM Armor objective materiel solution(s). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** This Project does not have a FY 2026 Budget Request.					
Accomplishments/Planned Programs Subtotals	81.966	93.267	-	-	-

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
• F90112: *PROJ, ARTY, 155MM C-DAEM ARMOR*	-	-	-	-	-	-	-	-	-		

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*

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
• E68604: *PROJ, ARTY, 155MM C-DAEM INCREMENT II*	373.762	22.228	39.536	-	39.536	-	-	-	-	-	-

Remarks

A Procurement of Ammunition, Army (PAA) funding line for C-DAEM Armor, Standard Study Number (SSN), F90112, PROJ, ARTY, 155MM C-DAEM ARMOR, has been established.
A PAA funding line for C-DAEM DPICM Replacement, SSN E68604, PROJ, ARTY, 155MM C-DAEM INCREMENT II, has been established.

D. Acquisition Strategy

The C-DAEM Program of Record is employing an evolutionary acquisition approach to efficiently address anti-armor, extended range capability requirements and deliver DoD unexploded ordnance (UXO) policy compliant munitions.

The Analysis of Alternatives (AoA) completed on 31 January 2018 qualified a significant enhancement of operational fires effectiveness, efficiency, and maneuver support when cannon artillery was equipped with a dedicated extended range anti-armor projectile. The U.S. Government reduced risk by executing prototype testing and evaluation efforts, while utilizing the AoA results to shape the selection criteria. C-DAEM Armor used the selection criteria to sponsor competitive demonstrations for C-DAEM Armor to streamline the acquisition process. The U.S. Government has selected the most promising candidate that will address medium to heavy armored targets in accordance with the validated Capabilities Development Document (CDD). C-DAEM Armor is utilizing competitively awarded Defense Ordnance Technology Consortium (DOTC) Other Transaction Agreements (OTA) to further support development and testing of the selected C-DAEM Armor solution in accordance with the decisions granted at the most recent Army Requirements Oversight Council (AROC) in August 2022. C-DAEM Armor is utilizing competitively awarded DOTC OTAs to complete development and qualification activities, including the M-Code Global Positioning System (GPS) Receiver integration efforts, in support of Milestone C for Low Rate Initial Production (LRIP) and Full Rate Production (FRP).

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Office of the Project Manager Combat Ammunition Systems (PM CAS) : Picatinny Arsenal, NJ	0.952	0.400	Oct 2023	0.480	Oct 2024	-		-		-	0.000	1.832	-
		Subtotal	0.952	0.400		0.480		-		-		-	0.000	1.832	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DOTC - Armor Engineering and Manufacturing Development (EMD)	MIPR	DoD Ordnance Technology Consortium (DOTC) : Picatinny Arsenal, NJ	138.028	67.950	Nov 2023	74.387	Nov 2024	-		-		-	0.000	280.365	-
DOTC - Armor M-Code GPS Receiver Integration	MIPR	DoD Ordnance Technology Consortium (DOTC) : Picatinny Arsenal, NJ	11.790	3.500	Nov 2023	3.000	Nov 2024	-		-		-	0.000	18.290	-
		Subtotal	149.818	71.450		77.387		-		-		-	0.000	298.655	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	17.286	6.616	Nov 2023	7.900	Oct 2024	-		-		-	0.000	31.802	-
		Subtotal	17.286	6.616		7.900		-		-		-	0.000	31.802	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Armor Testing	MIPR	Army Test & Evaluation Command (ATEC) : Yuma, AZ	-	3.500	Mar 2024	7.500	Mar 2025	-		-		-	0.000	11.000	-
		Subtotal	-	3.500		7.500		-		-		-	0.000	11.000	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	168.056	81.966		93.267		-		-		-	0.000	343.289	N/A

Remarks

C-DAEM Armor will destroy moved and moving self-propelled howitzers, infantry fighting vehicles and tanks in support of the Army's modernization priorities. This Project does not have a FY 2026 budget.

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*

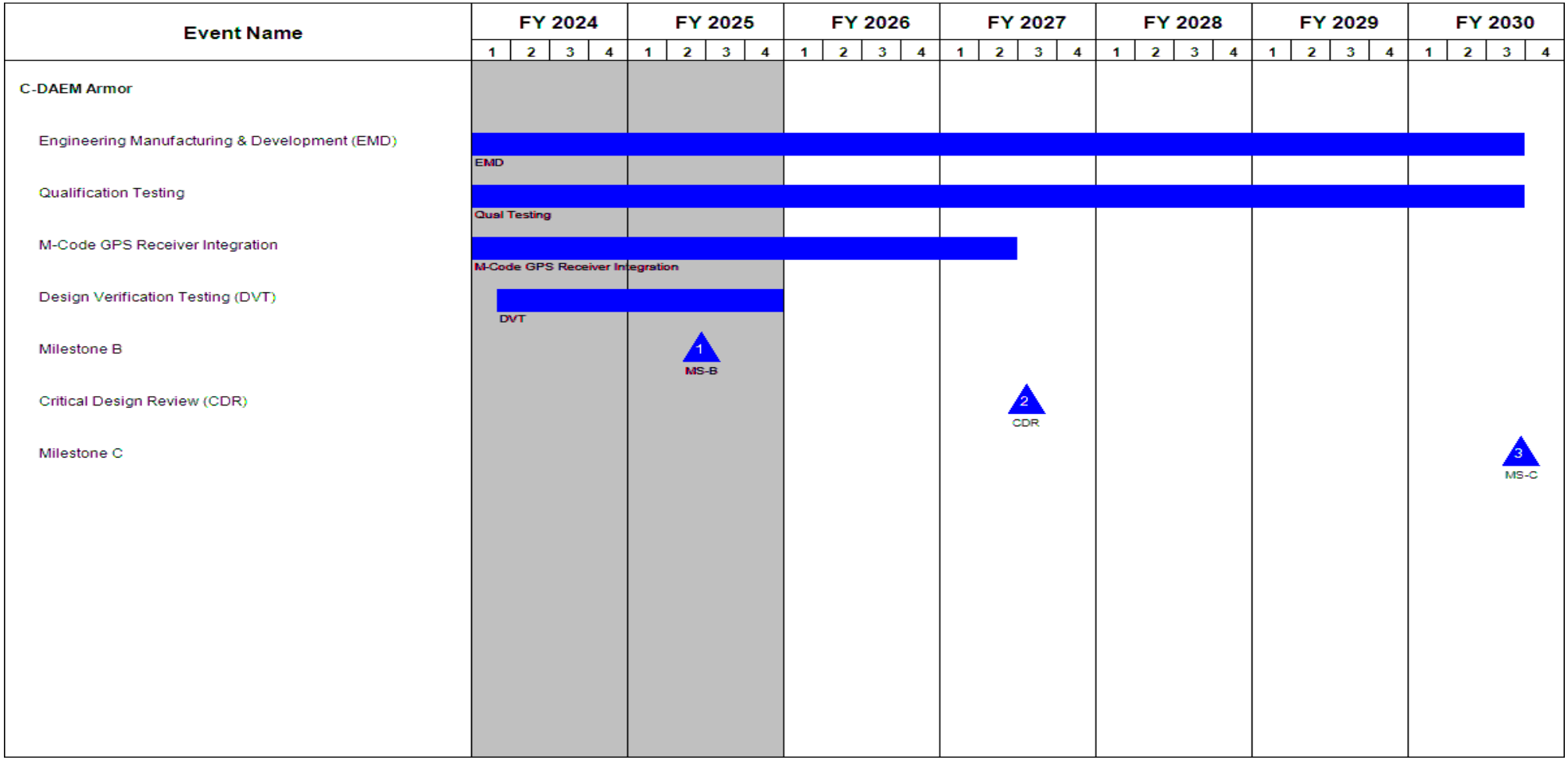

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
C-DAEM Armor	1	2022	4	2026
Technology Maturation and Risk Reduction (TMRR)	1	2020	4	2021
In Process Review (IPR) #1	1	2021	1	2021
IPR #2	2	2021	2	2021
Acquisition Decision Memorandum (ADM) #1	1	2022	1	2022
Engineering Manufacturing & Development (EMD)	1	2022	3	2030
Qualification Testing	1	2021	3	2030
M-Code GPS Receiver Integration	1	2022	2	2027
Design Verification Testing (DVT)	1	2022	4	2025
Integrated Baseline Review (IBR)	3	2022	3	2022
ADM #2	3	2022	3	2022
Preliminary Design Review (PDR)	4	2022	4	2022
Army Requirements Oversight Council (AROC) Decision	4	2022	4	2022
Capabilities Development Document (CDD) Approval	1	2023	1	2023
Milestone B	2	2025	2	2025
Critical Design Review (CDR)	3	2027	3	2027
Milestone C	3	2030	3	2030
Initial Operational Test & Evaluation (IOT&E)	3	2031	3	2031
C-DAEM DPICM Replacement	1	2021	4	2023
Qualification and Testing	1	2021	4	2023
Unexploded Ordnance (UXO) DP	3	2023	3	2023

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FJ4 / *Cannon-Delivered Area Effects Munitions (C-DAEM)*

Note

C-DAEM Amor will destroy moved and moving self-propelled howitzers, infantry fighting vehicles, and tanks. This Project does not have a FY 2026 budget request.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*	

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
FL4: *Small Caliber Ammo for Next Gen Squad Weapons*	-	26.659	20.955	23.081	-	23.081	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Small Caliber Ammo for Next Gen Squad Weapons project is a critical technology development in response to the Soldier Lethality Cross Functional Team (SL CFT) Initial Capability Document (ICD) for the ammunition required to support the rapid prototyping, development, and fielding of the Next Generation Squad Weapons (NGSW) under the Middle Tier of Acquisition (MTA) authority for rapid prototyping/rapid fielding. The objective is to develop and Full Materiel Release (FMR) the new 6.8mm ammunition in parallel with the NGSW rifle and automatic rifle. The 6.8mm ammunition is split into multiple ammunition variants, the General Purpose (GP), the Special Purpose (SP), the Reduced Range Ammunition (RRA), Tracer Ammunition, Blank Ammunition, the Close Combat Mission Capability Kit (CCMCK) training ammunition, Drill Dummy Inert (DDI) cartridge, and High-Pressure Test (HPT) cartridge. FY 2026 funding will support SP Live Fire Test and Evaluation (LFT&E), RRA production qualification build and testing, CCMCK prototype build and developmental tests, optimization efforts, and activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA).

The total cost of the Small Caliber Ammo for Next Gen Squad Weapons Middle Tier of Acquisition effort is $156.7M million RDTE from FY 2020 to FY 2028.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Rapid Prototyping General Purpose (GP) Ammunition for NGSW ***Description:*** Develop, demonstrate, and qualify new ammunition for the NGSW systems. ***FY 2025 Plans:*** Perform LFT&E close-out activities in preparation for Full Materiel Release (FMR). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to completion of FMR and development activities.	1.630	0.300	-	-	-
Title: Rapid Prototyping Special Purpose (SP) Ammunition for NGSW ***Description:*** Develop, demonstrate, and qualify new ammunition to defeat hard targets for the NGSW systems. ***FY 2025 Plans:*** Perform Urgent Materiel Release (UMR) preparation activities and commence design optimization effort. ***FY 2026 Base Plans:***	9.377	7.709	9.220	-	9.220

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Perform Full Materiel Release (FMR) preparation activities, initiate LFT&E, and conduct design optimization effort. Perform activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to additional Engineering Support and test costs increase for Live Fire Test and Evaluation.					
Title: Rapid Prototyping Reduced Range Ammunition (RRA) for NGSW ***Description:*** Develop and qualify RRA for the NGSW that will satisfy the requirement to provide training ammunition suitable for use on military installations with Surface Danger Zone (SDZ) restrictions. Two RRA variants will be developed under this effort - the 6.8mm RRA and the 6.8mm Reduced Range (RR) Tracer. ***FY 2025 Plans:*** Commence design optimization effort and perform developmental tests. ***FY 2026 Base Plans:*** Complete design optimization effort, production qualification build, production qualification testing (PQT) for optimized RRA round. Conduct developmental tests, and perform activities in preparation for Full Materiel Release (FMR). Perform activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase to complete developmental test for optimized round and perform FMR activities.	0.167	0.390	3.993	-	3.993
Title: Rapid Prototyping Tracer Ammunition for NGSW ***Description:*** Rapid prototyping effort to develop and field tracer ammunition for the NGSW systems by building and evaluating competing tracer ammunition designs/concepts then down-selecting to a final tracer design. ***FY 2025 Plans:*** Complete Safety Confirmation build, Safety Confirmation testing, and Soldier Touchpoint. ***FY 2026 Base Plans:***	0.204	2.100	6.694	-	6.694

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Perform activities in preparation for Full Material Release (FMR), complete PQT build and testing, and activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to an additional development contract to improve Tracer reliability.					
Title: Rapid Prototyping CCMCK Training Ammo ***Description:*** Rapid prototyping effort to develop training ammunition for the NGSW systems by building and evaluating competing CCMCK training ammunition designs/concepts then down-selecting to a final design. ***FY 2025 Plans:*** Award contract for prototype build. ***FY 2026 Base Plans:*** Perform prototype build, conduct developmental tests, and activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to additional engineering support and costs to conduct developmental testing.	-	1.020	1.912	-	1.912
Title: Rapid Prototyping DDI and HPT Cartridges ***Description:*** Rapid prototyping effort to develop and field Blank, DDI and HPT cartridges for the NGSW weapon systems. ***FY 2026 Base Plans:*** Perform design optimization activities and perform activities in preparation for transition from Middle Tier of Acquisition (MTA) to Major Capability Acquisition (MCA). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to optimization efforts.	-	-	1.262	-	1.262
Title: SBIR/STTR Transfer ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR). Funding transferred in accordance with Title 15 USC §638. ***FY 2025 Plans:***	-	0.436	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
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	11.378	11.955	23.081	-	23.081

	FY 2024	FY 2025
Congressional Add: Hybrid Ammunition Manufacturing for Next-Generation Squad Weapons ***FY 2024 Accomplishments:*** Developed and matured the hybrid ammunition manufacturing process by developing an automated primer production capability. FY 2024 focused on design and development of a partial production scale prototype line for an automated and remotely operated primer manufacturing system.	10.181	-
Congressional Add: Digital Engineering for Tungsten Carbide Ammunition ***FY 2024 Accomplishments:*** Utilized Smart Automation to optimize manufacturing processes, integrate automated processes with near net shape manufacturing, and optimize the usage of recycled materials for supply chain management. This will allow for the scaling of capacity to meet the Government's requirements for ammunition components, while offering significant cost reductions in manufacturing.	5.100	-
Congressional Add: Defense Munitions Proving Ground ***FY 2025 Plans:*** Congressional Interest Item funding provided for Defense Munitions Proving Ground.	-	9.000
Congressional Adds Subtotals	15.281	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
• E06002: *NEXT GENERATION COMBAT ROUND*	161.115	20.020	94.491	-	94.491	-	-	-	-	-	-
• E06012: *CTG 6.8MM SPECIAL PURPOSE 4SP/1TRCR LINKED*	-	-	6.715	-	6.715	-	-	-	-	-	-
• E06014: *NEXT GENERATION REDUCED RANGE ROUND*	43.541	94.541	103.883	-	103.883	-	-	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*	

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
• E06015: *NEXT GENERATION SQUAD WEAPON SPECIAL PURPOSE ROUND*	23.122	53.282	20.452	-	20.452	-	-	-	-	-	-
• E06016: *CTG 6.8MM GENERAL PURPOSE 4GP/1TRCR LINKED*	-	-	58.877	-	58.877	-	-	-	-	-	-
• E06017: *CTG 6.8MM REDUCED RANGE TRAINING 4RRT/1TRCR LINKED*	-	-	14.699	-	14.699	-	-	-	-	-	-
• E06018: *CTG 6.8MM GENERAL PURPOSE LINKED*	-	-	21.871	-	21.871	-	-	-	-	-	-
• E06021: *CTG 6.8MM REDUCED RANGE TRAINING LINKED*	-	-	15.990	-	15.990	-	-	-	-	-	-
• E06024: *CTG 6.8MM BLANK LINKED*	-	-	16.692	-	16.692	-	-	-	-	-	-
• E06031: *CTG 6.8MM GENERAL PURPOSE TRCR SINGLE ROUND*	-	-	33.561	-	33.561	-	-	-	-	-	-
• E60011: *NEXT GENERATION BLANK ROUND*	15.119	27.046	38.946	-	38.946	-	-	-	-	-	-

Remarks

Procurement of Ammunition, Army E06002, E06012, E06014, E06015, E06016, E06017, E06018, E06021, E06024, E06031, and E60011: These funding lines supports the procurement of ammunition for the NGSW.

D. Acquisition Strategy

The 6.8mm ammunition program will utilize the Middle Tier of Acquisition (MTA) authority for rapid prototyping/rapid fielding to develop ammunition concepts/designs for the GP variant and the SP variant. The project will utilize Government developed projectile designs that will be delivered to development contractors as Government Furnished Material (GFM). The Government selected three contractors for the weapon system development and down-selected to a single contractor in FY 2022, prior to production contract award; with a planned Urgent Materiel Release (UMR) in FY 2024 and FMR in FY 2025. Development effort for the Reduced Range and Tracer ammunition follows a similar strategy beginning in FY 2021. Follow-on development efforts for additional 6.8mm ammunition variants including blank, CCMCK ammunition, DDI cartridge, and HPT cartridge commenced in FY 2024.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer	Various	TBD : TBD	-	-		0.436	Jun 2025	-		-		-	0.000	0.436	-
		Subtotal	-	-		0.436		-		-		-	0.000	0.436	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
General Purpose Optimization	C/CPFF	Various : Various	-	0.165	May 2025	-		-		-		-	0.000	0.165	-
Special Purpose Optimization Contracts	C/CPFF	Various : Various	-	0.915	Dec 2023	0.223	Feb 2025	2.100	Oct 2025	-		2.100	0.000	3.238	-
Special Purpose Test Weapons/Cases Buy	C/CPFF	Sig Sauer : Jacksonville, Arkansas	-	-		1.025	Jul 2025	-		-		-	0.000	1.025	-
Reduced Range Optimization Contracts	C/CPFF	Various : Various	-	-		0.160	Aug 2025	0.650	Dec 2025	-		0.650	0.000	0.810	-
Tracer Test Weapons Buy	C/CPFF	Sig Sauer : Jacksonville, Arkansas	-	0.204	Aug 2024	-		-		-		-	0.000	0.204	-
Tracer Development Contracts	C/CPFF	TBD : TBD	-	-		-		3.300	Dec 2025	-		3.300	0.000	3.300	-
CCMCK Training Ammo Development Contracts	C/CPFF	Sig Sauer : Jacksonville, Arkansas	-	-		1.020	Jun 2025	0.650	Dec 2025	-		0.650	0.000	1.670	-
Tungsten Carbide Congressional Add Contract	C/CPFF	InSitech/Ultra-met Carbide Technologies : Urbana, Ohio	-	4.650	Dec 2024	-		-		-		-	0.000	4.650	-
Hybrid Manufacturing Congressional Add Contract	C/CPFF	Sig Sauer : Jacksonville, Arkansas	-	8.450	Nov 2024	-		-		-		-	0.000	8.450	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Defense Munitions Proving Ground Congressional Add Contract	C/CPFF	TBD : TBD	-	-		8.000	Aug 2025	-		-		-	0.000	8.000	-
		Subtotal	-	14.384		10.428		6.700		-		6.700	0.000	31.512	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
General Purpose Projectile Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	9.625	0.410	Nov 2023	0.300	Oct 2024	-		-		-	0.000	10.335	-
Special Purpose Projectile Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	8.158	7.585	Dec 2023	3.692	Apr 2025	2.058	Nov 2025	-		2.058	Continuing	Continuing	Continuing
Special Purpose Support ARL	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	2.250	0.750	May 2024	2.769	Apr 2025	0.062	Dec 2025	-		0.062	Continuing	Continuing	Continuing
Reduced Range Ammunition Prototype and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	4.289	0.167	Nov 2023	0.230	Jun 2025	1.800	Nov 2025	-		1.800	Continuing	Continuing	Continuing
Reduced Range Ammunition Support ARL	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	0.750	-		-		0.093	Dec 2025	-		0.093	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Tracer Ammunition Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	2.105	-		0.350	Jun 2025	1.800	Nov 2025	-		1.800	Continuing	Continuing	Continuing
Tracer Ammunition Support ARL	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	0.750	-		-		0.094	Dec 2025	-		0.094	Continuing	Continuing	Continuing
CCMCK Training Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	0.300	-		-		1.200	Nov 2025	-		1.200	Continuing	Continuing	Continuing
CCMCK Training Ammo Support ARL	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	-	-		-		0.062	Dec 2025	-		0.062	Continuing	Continuing	Continuing
DDI and HPT Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	0.500	-		-		1.200	Nov 2025	-		1.200	Continuing	Continuing	Continuing
DDI and HPT Support ARL	MIPR	Army Research Lab (ARL) : Aberdeen, Maryland	-	-		-		0.062	Dec 2025	-		0.062	Continuing	Continuing	Continuing
Tungsten Carbide Congressional Add Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	-	0.450	Jul 2024	-		-		-		-	0.000	0.450	-
Hybrid Manufacturing Development and Support	MIPR	Development Command	-	1.731	Jun 2024	-		-		-		-	0.000	1.731	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey													
Defense Munitions Proving Ground Congressional Add Development and Support	MIPR	Development Command Armaments Center (DEVCOM-AC) : Picatinny Arsenal, New Jersey	-	-		1.000	Aug 2025	-		-		-	0.000	1.000	-
		Subtotal	28.727	11.093		8.341		8.431		-		8.431	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
General Purpose Live-Fire Testing	MIPR	U.S. Army Aberdeen Test Center (ATC) : Aberdeen, Maryland	2.019	-		-		-		-		-	0.000	2.019	-
General Purpose FMR and Air Drop Testing	MIPR	U.S. Army Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	1.055	Jul 2024	-		-		-		-	0.000	1.055	-
Special Purpose Aberdeen Test Center (ATC)	MIPR	U.S. Army Aberdeen Test Center : Aberdeen, Maryland	0.500	-		-		-		-		-	0.000	0.500	-
Special Purpose Safety Confirmation and Air Drop Testing	MIPR	DEVCOM Soldier Center : Natick, Massachusetts	-	0.127	Jun 2024	-		-		-		-	0.000	0.127	-
Special Purpose Live-Fire Testing	MIPR	U.S. Army Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	-		-		3.500	Jun 2026	-		3.500	0.000	3.500	-
Special Purpose FMR	MIPR	U.S. Army Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	-		-		1.500	Jun 2026	-		1.500	0.000	1.500	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Reduced Range Ammo Production Qualification Tests/FMR	MIPR	U.S. Army Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	-		-		1.450	Mar 2026	-		1.450	0.000	1.450	-
Tracer Ammunition User Assessment	MIPR	Maneuver Battle Labs : Fort Benning, Georgia	0.083	-		0.250	Aug 2025	-		-		-	0.000	0.333	-
Tracer Safety Confirmation Tests	MIPR	Aberdeen Test Center (ATC) : Aberdeen, MD	-	-		1.500	Jun 2025	-		-		-	0.000	1.500	-
Tracer Production Qualification Test	MIPR	Aberdeen Test Center (ATC) : Aberdeen, MD	-	-		-		1.500	Jul 2026	-		1.500	0.000	1.500	-
		Subtotal	2.602	1.182		1.750		7.950		-		7.950	0.000	13.484	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	31.329	26.659		20.955		23.081		-		23.081	Continuing	Continuing	N/A

Remarks

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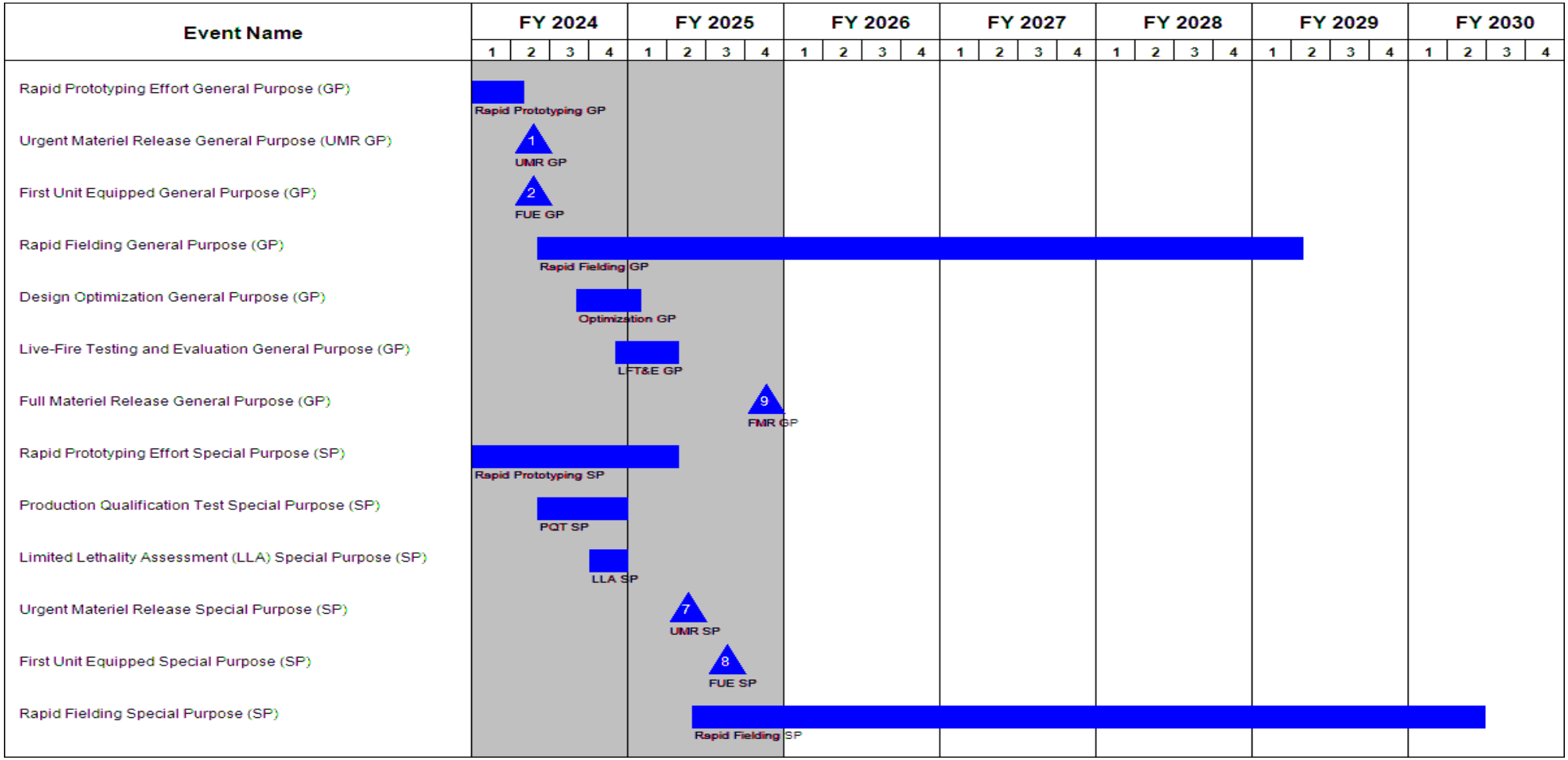

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
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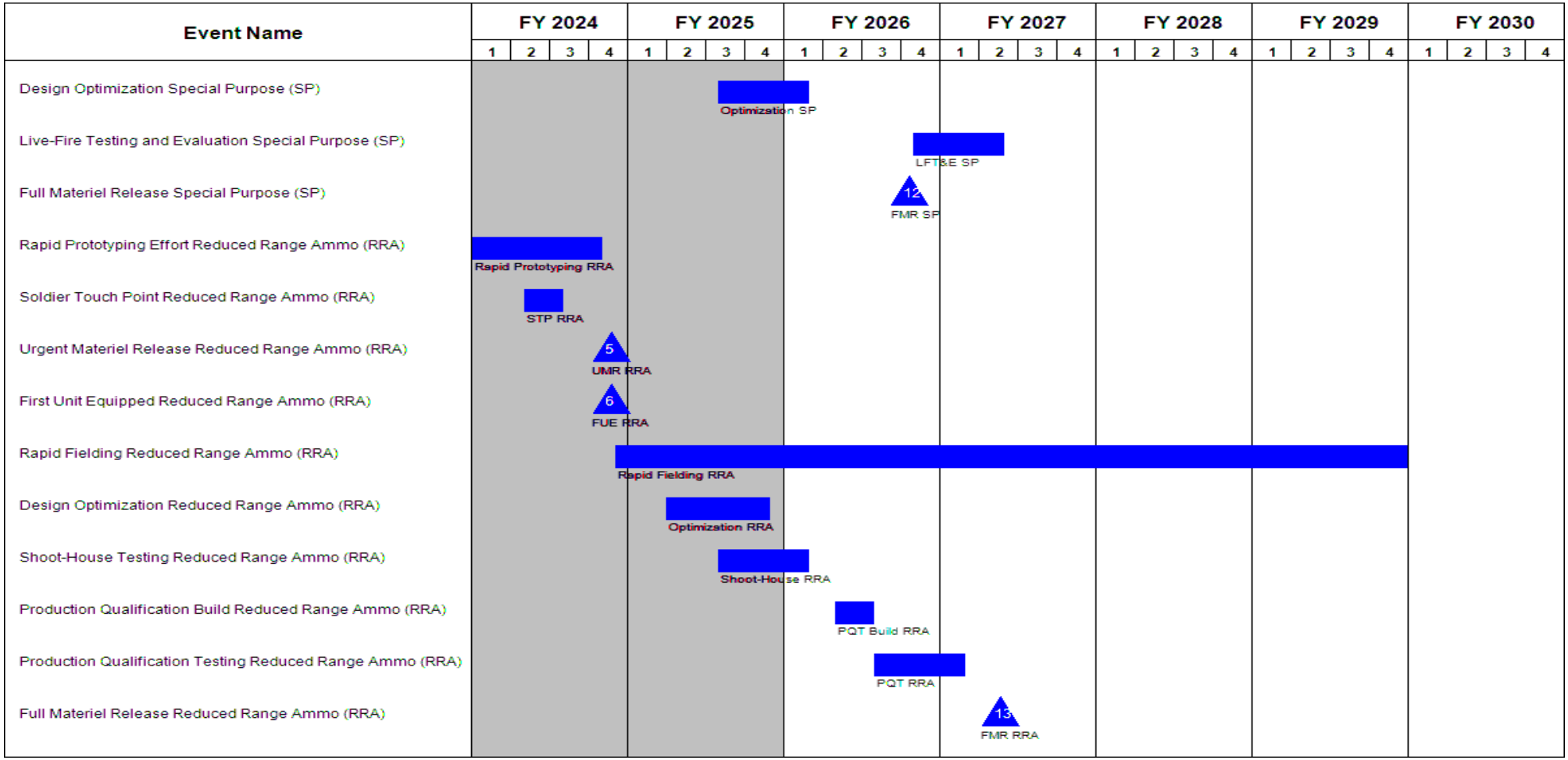

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
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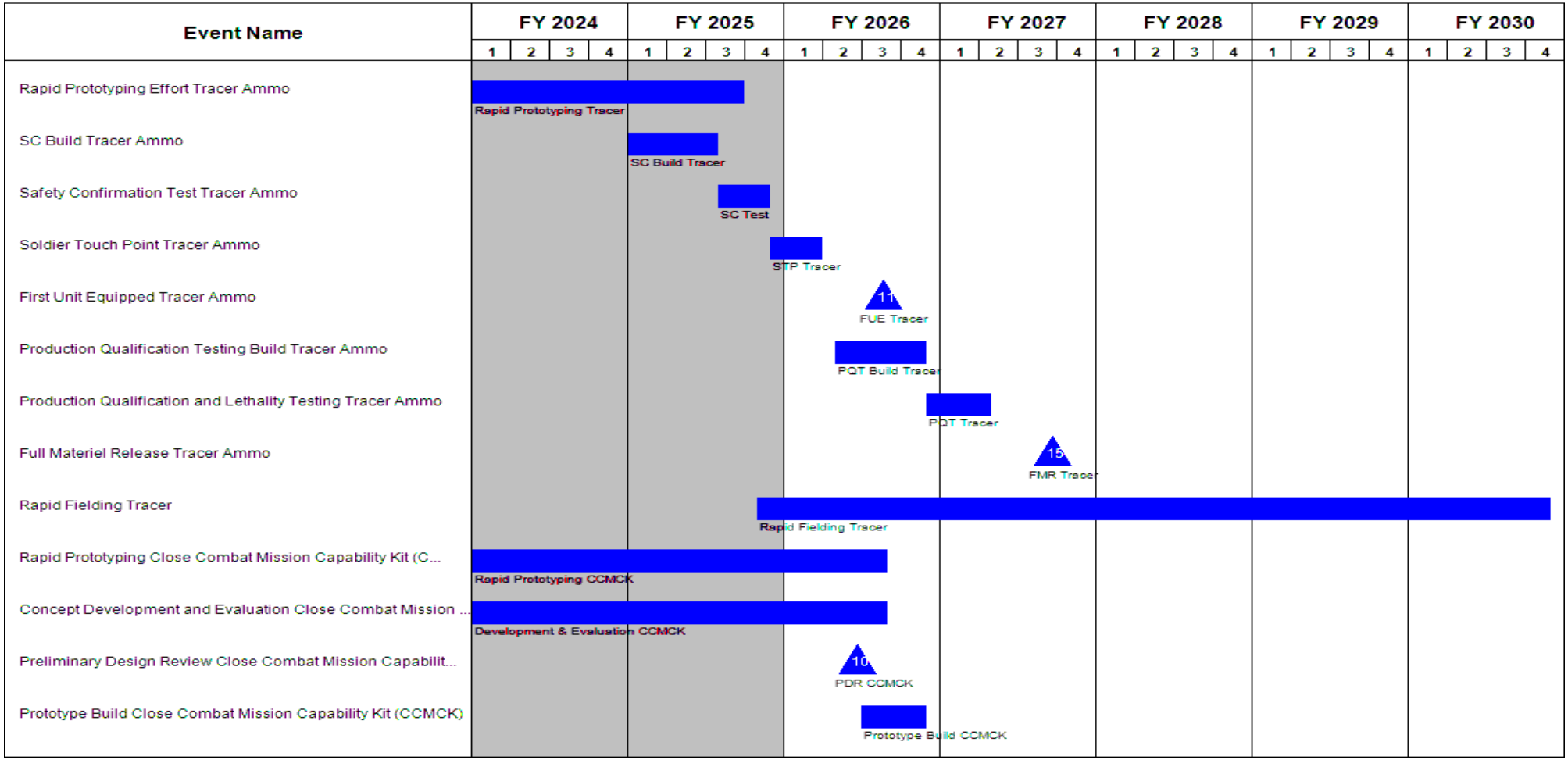

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
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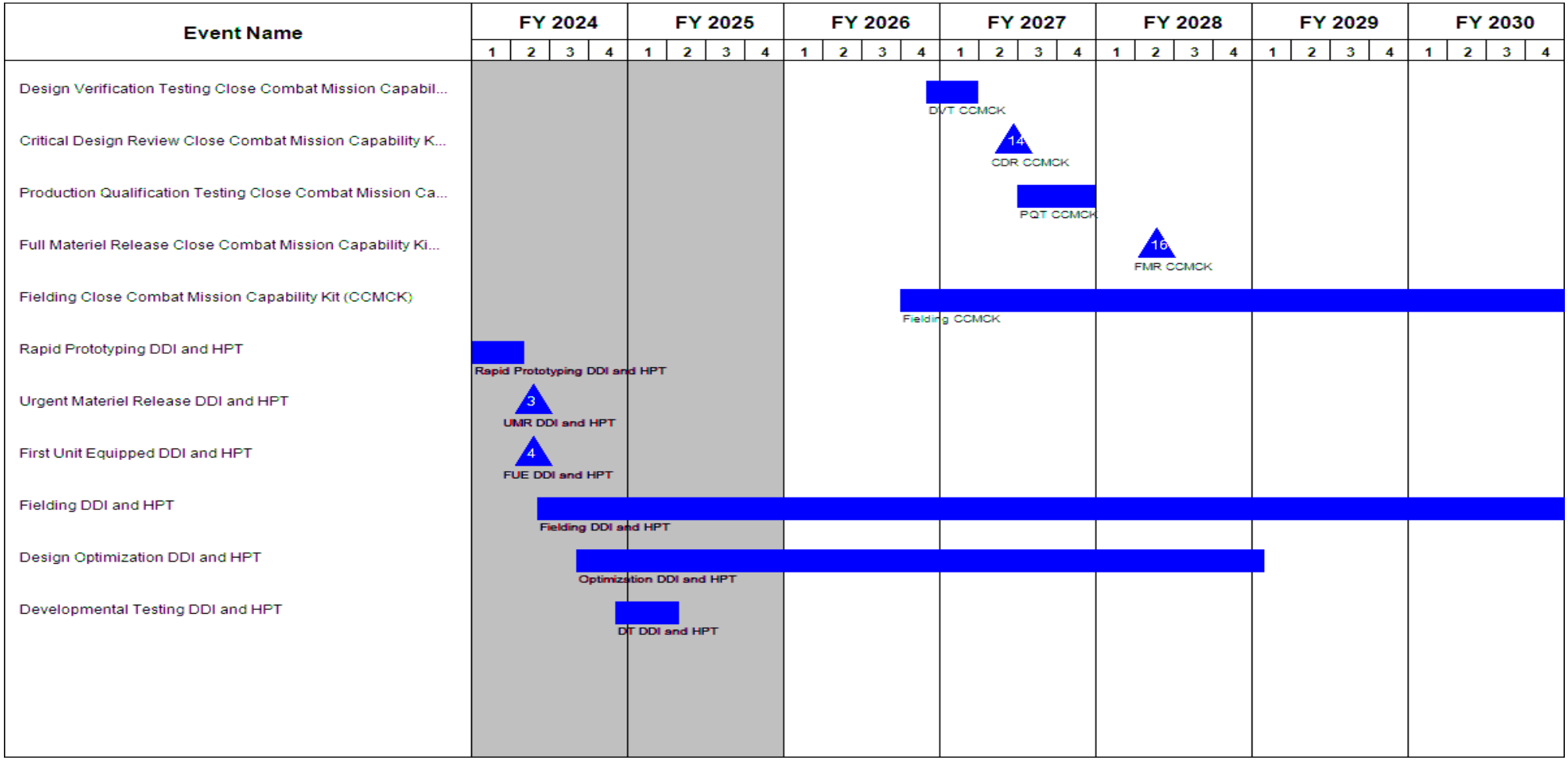

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Rapid Prototyping Effort General Purpose (GP)	1	2019	2	2024
Urgent Materiel Release General Purpose (UMR GP)	2	2024	2	2024
First Unit Equipped General Purpose (GP)	2	2024	2	2024
Rapid Fielding General Purpose (GP)	2	2024	2	2029
Design Optimization General Purpose (GP)	3	2024	1	2025
Live-Fire Testing and Evaluation General Purpose (GP)	4	2024	2	2025
Full Materiel Release General Purpose (GP)	4	2025	4	2025
Rapid Prototyping Effort Special Purpose (SP)	1	2019	2	2025
Production Qualification Test Special Purpose (SP)	2	2024	4	2024
Limited Lethality Assessment (LLA) Special Purpose (SP)	4	2024	4	2024
Urgent Materiel Release Special Purpose (SP)	2	2025	2	2025
First Unit Equipped Special Purpose (SP)	3	2025	3	2025
Rapid Fielding Special Purpose (SP)	2	2025	2	2030
Design Optimization Special Purpose (SP)	3	2025	1	2026
Live-Fire Testing and Evaluation Special Purpose (SP)	4	2026	2	2027
Full Materiel Release Special Purpose (SP)	4	2026	4	2026
Rapid Prototyping Effort Reduced Range Ammo (RRA)	1	2021	4	2024
Soldier Touch Point Reduced Range Ammo (RRA)	2	2024	3	2024
Urgent Materiel Release Reduced Range Ammo (RRA)	4	2024	4	2024
First Unit Equipped Reduced Range Ammo (RRA)	4	2024	4	2024
Rapid Fielding Reduced Range Ammo (RRA)	4	2024	4	2029
Design Optimization Reduced Range Ammo (RRA)	2	2025	4	2025

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
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	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Shoot-House Testing Reduced Range Ammo (RRA)	3	2025	1	2026
Production Qualification Build Reduced Range Ammo (RRA)	2	2026	3	2026
Production Qualification Testing Reduced Range Ammo (RRA)	3	2026	1	2027
Full Materiel Release Reduced Range Ammo (RRA)	2	2027	2	2027
Rapid Prototyping Effort Tracer Ammo	1	2022	3	2025
SC Build Tracer Ammo	1	2025	3	2025
Safety Confirmation Test Tracer Ammo	3	2025	4	2025
Soldier Touch Point Tracer Ammo	4	2025	1	2026
First Unit Equipped Tracer Ammo	3	2026	3	2026
Production Qualification Testing Build Tracer Ammo	2	2026	4	2026
Production Qualification and Lethality Testing Tracer Ammo	4	2026	2	2027
Full Materiel Release Tracer Ammo	3	2027	3	2027
Rapid Fielding Tracer	4	2025	4	2030
Rapid Prototyping Close Combat Mission Capability Kit (CCMCK)	1	2022	3	2026
Concept Development and Evaluation Close Combat Mission Capability Kit (CCMCK)	1	2022	3	2026
Preliminary Design Review Close Combat Mission Capability Kit (CCMCK)	2	2026	2	2026
Prototype Build Close Combat Mission Capability Kit (CCMCK)	3	2026	4	2026
Design Verification Testing Close Combat Mission Capability Kit (CCMCK)	4	2026	1	2027
Critical Design Review Close Combat Mission Capability Kit (CCMCK)	2	2027	2	2027
Production Qualification Testing Close Combat Mission Capability Kit (CCMCK)	3	2027	4	2027
Full Materiel Release Close Combat Mission Capability Kit (CCMCK)	2	2028	2	2028
Fielding Close Combat Mission Capability Kit (CCMCK)	4	2026	4	2031
Rapid Prototyping DDI and HPT	1	2022	2	2024
Urgent Materiel Release DDI and HPT	2	2024	2	2024
First Unit Equipped DDI and HPT	2	2024	2	2024

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** FL4 / *Small Caliber Ammo for Next Gen Squad Weapons*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Fielding DDI and HPT	2	2024	4	2033
Design Optimization DDI and HPT	3	2024	1	2029
Developmental Testing DDI and HPT	4	2024	2	2025

Note

Special Purpose (SP)
General Purpose (GP)
Close Combat Mission Capability Kit (CCMCK)
Drill Dummy Inert (DDI)
High Pressure Test (HPT)

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) MS1 / *Battalion Mortar System 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
MS1: *Battalion Mortar System Modernization*	-	-	6.012	28.297	-	28.297	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Battalion Mortar System Modernization Project supports the development of modernized Mortar Weapon Systems to support Infantry Brigade Combat Teams (IBCTs) and Armored Brigade Combat Teams (ABCTs). Efforts include development and qualification of modernized mortar systems and their required components to include fire control and ammunition that will increase lethality, survivability, mobility and readiness. The weapon and fire control will be used as a standalone man-portable system with digital fire control capability or as a modular system that can be hoisted onto light tactical vehicles such as the High Mobility Multipurpose Wheeled Vehicle (HMMWV), the Infantry Squad Vehicle (ISV) and/or Joint Lightweight Tactical Vehicle (JLTV) when a mobility kit is utilized. This modernized system will increase survivability, maneuverability, and provide tactical advantage to the Warfighter when matched with pacing threat for direct and indirect fire and will provide overmatching capabilities. Initial characterization efforts will establish a firm foundation for proposed advanced indirect fire systems while allowing for incremental improvements and updates as technologies continue to mature, which will maintain and enhance performance, improve lethality, responsiveness, and reliability of indirect fire systems across the required spectrum of military operations. Fiscal Year (FY) 2026 funding will support the design and development of a next generation 81mm mortar weapon and fire control system that can be hosted on a light tactical vehicle when integrated with a mobility system.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Mortar Weapon, Fire Control and Mobility System Modernization	-	6.012	28.297	-	28.297
Description: This effort will modernize the 81mm weapon and fire control systems to increase range, accuracy, and lethality of the current 81mm mortar weapon system and provide equivalent capability as compared to current 120mm mortar systems, in a man-portable and dismounted form factor. These modernized systems will provide a tactical advantage to the Warfighter when matched with pacing threat for direct and indirect fire. The modernized mobility system, when hosted on a light tactical vehicle, will provide automation and shoot and scoot capability further improving lethality and survivability. ***FY 2025 Plans:*** FY 2025 funding will further the 81mm mortar weapon system development, prototyping and testing for the Infantry Battalion Mortar System (IBMS) to increase range and lethality. FY 2025 funding will also evaluate commercially available mobility systems and engineer their integration directly onto light tactical vehicles such					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** MS1 / *Battalion Mortar System Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
as the High Mobility Multipurpose Wheeled Vehicle (HMMWV), the Infantry Squad Vehicle (ISV) and/or Joint Lightweight Tactical Vehicle (JLTV). ***FY 2026 Base Plans:*** FY 2026 funding will support the design and development of a next generation 81mm mortar weapon and fire control system that can be hosted on a light tactical vehicle when integrated with a mobility system. The systems will be compatible with legacy and future 81mm mortar ammunition. Funding will also support procurement of test articles and government testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to an increase in contract and testing costs to support mortar system modernization efforts.					
Accomplishments/Planned Programs Subtotals	-	6.012	28.297	-	28.297

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
• G02200: *Mortar Systems*	8.013	8.353	2.267	3.540	5.807	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Department will utilize Other Transaction Authority (OTA) contract vehicle(s) and/or United States (US) Government Owned Government Operated (GOGO) facilities to execute the development of the Infantry Battalion Mortar System. The mortar weapon system, fire control system, mobility system, and ammunition design, manufacturing and testing will be Government led activities at the United States Army Combat Capabilities Development Command (DEVCOM) Armaments Center at Picatinny Arsenal, New Jersey, Benet Labs in Watervliet Arsenal, New York, and U.S. Army Test and Evaluation Command (ATEC) locations in Arizona and Maryland.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) MS1 / *Battalion Mortar System Modernization*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	Office of the Project Manager (OPM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	-	-		0.100	Apr 2025	0.402	Oct 2025	-		0.402	0.000	0.502	-
		Subtotal	-	-		0.100		0.402		-		0.402	0.000	0.502	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Infantry Battalion Mortar System (IBMS) Weapon System Development	TBD	TBD : TBD	-	-		0.500	Jun 2025	5.211	Dec 2025	-		5.211	0.000	5.711	-
IBMS Mobility System Development	MIPR	Defense Ordnance Technology Consortium (DOTC) Other Transaction Agreement (OTA) : To Be Selected	-	-		2.000	Jul 2025	8.598	Jan 2026	-		8.598	0.000	10.598	-
IBMS Fire Control System Development	TBD	TBD : TBD	-	-		-		1.700	Dec 2025	-		1.700	0.000	1.700	-
		Subtotal	-	-		2.500		15.509		-		15.509	0.000	18.009	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IBMS Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center	-	-		1.087	Apr 2025	5.867	Oct 2025	-		5.867	0.000	6.954	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) MS1 / *Battalion Mortar System Modernization*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		(DEVCOM AC) : Picatinny Arsenal, NJ													
IBMS Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC), Benet Labs : Watervliet Arsenal, NJ	-	-		0.825	Apr 2025	1.106	Oct 2025	-		1.106	0.000	1.931	-
		Subtotal	-	-		1.912		6.973		-		6.973	0.000	8.885	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IBMS Fire Control System Testing	MIPR	ATEC : Yuma Proving Ground or Aberdeen Proving Ground	-	-		1.000	Jul 2025	1.800	Jun 2026	-		1.800	0.000	2.800	-
IBMS Weapon System Testing	MIPR	ATEC : Yuma Proving Ground or Aberdeen Proving Ground	-	-		0.500	Jun 2025	1.613	Mar 2026	-		1.613	0.000	2.113	-
IBMS Mobility System Testing	MIPR	ATEC : Yuma Proving Ground, Aberdeen Proving Ground	-	-		-		2.000	Jun 2026	-		2.000	0.000	2.000	-
		Subtotal	-	-		1.500		5.413		-		5.413	0.000	6.913	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		6.012		28.297		-		28.297	0.000	34.309	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) MS1 / *Battalion Mortar System Modernization*	

	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

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** MS1 / *Battalion Mortar System Modernization*

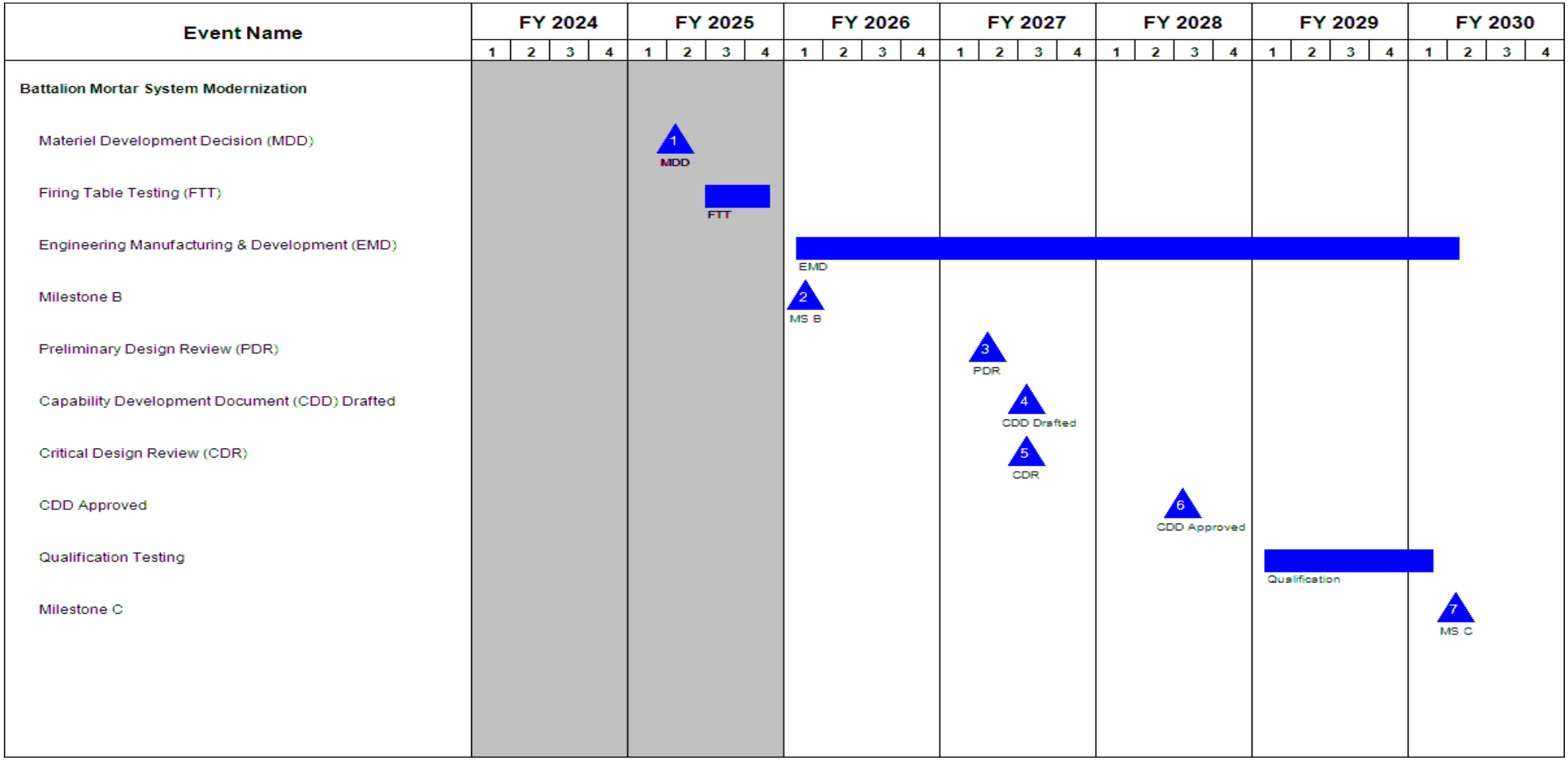


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** MS1 / *Battalion Mortar System Modernization*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Battalion Mortar System Modernization	1	2025	1	2025
Materiel Development Decision (MDD)	2	2025	2	2025
Firing Table Testing (FTT)	3	2025	4	2025
Engineering Manufacturing & Development (EMD)	1	2026	2	2030
Milestone B	1	2026	1	2026
Preliminary Design Review (PDR)	2	2027	2	2027
Capability Development Document (CDD) Drafted	3	2027	3	2027
Critical Design Review (CDR)	3	2027	3	2027
CDD Approved	3	2028	3	2028
Qualification Testing	1	2029	1	2030
Milestone C	2	2030	2	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) S36 / *Precision Guidance Kit*	

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
S36: *Precision Guidance Kit*	-	47.339	55.637	13.005	-	13.005	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Precision Guidance Kit (PGK) Project supports development efforts that will qualify state of the art technologies for a course correcting fuze that provides precision accuracy at extended ranges for current and future 155-millimeter (mm) High Explosive (HE) projectiles by eliminating a portion of the inherent errors associated with ballistic firing solutions, which effectively reduces the number of projectiles required to execute fire missions. The precision course correcting fuze will support projectile operation in Global Positioning System (GPS) degraded environments in support of the Army's Cannon Transformation Strategy. All 39-caliber weapon systems and modernized Self-Propelled and Towed Howitzer weapon systems with cannon lengths greater than or equal to 52-caliber and new long-range projectiles require the precision course correcting fuze to meet lethality requirements. FY 2026 funding will continue to support the fabrication of LR-PGK hardware, safety and development testing.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Long Range-Precision Guidance Kit (LR-PGK) Development	32.339	55.637	13.005	-	13.005
Description: This development effort will qualify state of the art technologies for operation in GPS degraded environments as well as ensure compatibility with 39-caliber weapon systems and all Self-Propelled and Towed Howitzer weapon systems with cannon lengths greater than or equal to 52-caliber and projectiles in support of the Army's Cannon Transformation Strategy. ***FY 2025 Plans:*** FY 2025 funding will continue to support the fabrication of precision course correcting fuze hardware, safety and development testing, and further refines the Artillery fuze design. ***FY 2026 Base Plans:*** FY 2026 funding will continue to support the fabrication of LR-PGK hardware, safety and development testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding decrease due to Army re-prioritization of RDTE funding.					
Accomplishments/Planned Programs Subtotals	32.339	55.637	13.005	-	13.005

	FY 2024	FY 2025
Congressional Add: LR-PGK Acceleration	10.000	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** S36 / *Precision Guidance Kit*

	FY 2024	FY 2025
FY 2024 Accomplishments: FY 2024 Congressional Add supported the maturation, integration and testing of critical technologies for Long Range Precision Guidance Kit (LR-PGK) development efforts culminating in a Guided Flight Testing (GFT).		
Congressional Add: Low Drag Artillery Guidance Kit	5.000	-
FY 2024 Accomplishments: FY 2024 Congressional Add supported the maturation, integration and testing of critical technologies for Long Range Precision Guidance Kit (LR-PGK) development efforts culminating in a Guided Flight Testing (GFT).		
Congressional Adds Subtotals	15.000	-

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
• E99250: *FUZE,155mm ARTY Precision Guidance Kit (PGK)*	37.283	61.419	39.653	-	39.653	-	-	-	-	-	-

Remarks

Procurement of Ammunition, Army (PAA) funding for Precision Guidance Kit (PGK), Standard Study Number (SSN) E99250 has been established to deliver precision course correcting fuzes for 39-caliber weapon systems and all Self-Propelled and Towed Howitzer weapon systems with cannon lengths greater than or equal to 52-caliber.

D. Acquisition Strategy

The precision course correcting fuze development efforts are focused on addressing performance in Global Positioning System (GPS) degraded environments to include anti-jam capability as well as ensuring compatibility with the Army's 39-caliber weapon systems and new long range 155mm cannon and projectiles. The contracting strategy includes competitive DoD Ordnance Technology Consortium (DOTC) and Cornerstone Other Transaction Agreement (OTA) concept development efforts. This development program has the objective to develop and safety qualify a modernized configuration to support the 39-caliber weapon systems and all Self-Propelled and Towed Howitzer weapon systems with cannon lengths greater than or equal to 52-caliber. The program will transition to a Federal Acquisition Regulation (FAR) based production contract to support deliveries at Milestone C for Low Rate Initial Production (LRIP) and Full Rate Production (FRP) to support the delivery of the Full Materiel Release (FMR) configuration quantities.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) S36 / *Precision Guidance Kit*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Office	Various	Office of the Project Manager (PM) Combat Ammunition Systems (CAS) : Picatinny Arsenal, NJ	14.218	0.100	Oct 2023	0.100	Oct 2024	0.100	Oct 2025	-		0.100	0.000	14.518	14.067
		Subtotal	14.218	0.100		0.100		0.100		-		0.100	0.000	14.518	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Manufacturing Development (EMD)	MIPR	DOD Ordnance Consortium (DOTC) / Multiple : Various	92.621	24.488	Nov 2023	48.537	Nov 2024	8.405	Nov 2025	-		8.405	0.000	174.051	33.046
Congressional Add: LR-PGK Acceleration?	MIPR	BAE Systems : Nashua, NH	-	10.000	Jul 2024	-		-		-		-	0.000	10.000	-
Congressional Add: Low Drag Artillery Guidance Kit?	MIPR	General Dynamics Ordinance and Tactical Systems : Bothell, WA	-	5.000	Jul 2024	-		-		-		-	0.000	5.000	-
		Subtotal	92.621	39.488		48.537		8.405		-		8.405	0.000	189.051	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Support	MIPR	Combat Capabilities Development Command Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	52.938	4.651	Oct 2023	3.500	Oct 2024	2.500	Oct 2025	-		2.500	0.000	63.589	41.412
		Subtotal	52.938	4.651		3.500		2.500		-		2.500	0.000	63.589	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) S36 / *Precision Guidance Kit*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
System Development Testing	MIPR	Army Test and Evaluation Command (ATEC) Yuma Proving Ground (YPG) : Yuma, AZ	13.011	3.100	Nov 2023	3.500	Nov 2024	2.000	Nov 2025	-		2.000	0.000	21.611	10.442
		Subtotal	13.011	3.100		3.500		2.000		-		2.000	0.000	21.611	N/A

	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	172.788	47.339		55.637		13.005		-		13.005	0.000	288.769	N/A

Remarks

Defense Ordnance Technology Consortium (DOTC)
Engineering and Manufacturing Development (EMD)
Army Test and Evaluation Command (ATEC)

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** S36 / *Precision Guidance Kit*

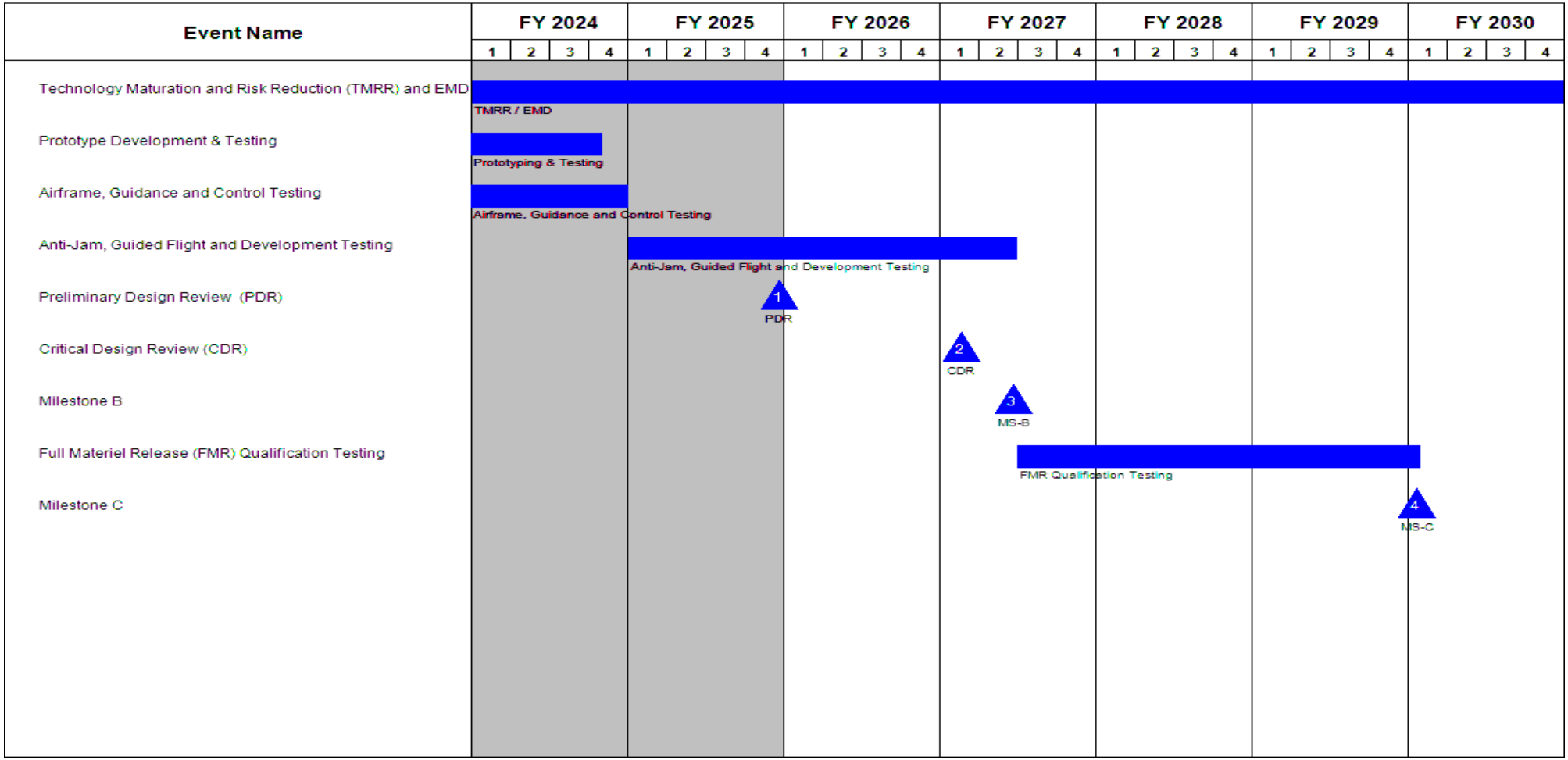


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** S36 / *Precision Guidance Kit*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Long Range Precision Guidance Kit (LR-PGK)	1	2022	1	2022
Technology Maturation and Risk Reduction (TMRR) and EMD	1	2019	4	2030
Prototype Development & Testing	2	2020	4	2024
Airframe, Guidance and Control Testing	3	2021	4	2024
Anti-Jam, Guided Flight and Development Testing	1	2025	2	2027
Preliminary Design Review (PDR)	4	2025	4	2025
Critical Design Review (CDR)	1	2027	1	2027
Milestone B	2	2027	2	2027
Full Materiel Release (FMR) Qualification Testing	3	2027	1	2030
Milestone C	1	2030	1	2030
Precision Guidance Kit Extended Range (PGK-ER)	1	2023	1	2023
Anti-Jam (AJ) Development and Testing	1	2023	4	2023
Anti-Jam (AJ) Guided Flight Test (GFT)	4	2023	4	2023

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) XT6 / *Medium Caliber Anti-Personnel and Counter UAS*	

COST ($ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
XT6: *Medium Caliber Anti-Personnel and Counter UAS*	-	-	-	15.275	-	15.275	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Anti-Personnel and Counter Unmanned Aerial Systems (UAS) munitions provide increased lethality through proximity airburst effects against personnel, small Unmanned Aerial Systems (UAS), and small boats without requiring modification to the platform. Airburst capability is identified as a threshold Key System Attribute (KSA) in Apache Block 3 Capability Production Document (CPD) - Approved 14 June 2017, and counter-UAS capability is identified in other cannon caliber Operational Need Statements (ONSs) and Capability Development Documents (CDDs). Fiscal Year (FY) 2026 funds support procuring long lead materials for munition development, conduct preliminary design review, and live fire design engineering test of 30x113mm Aviation Proximity Explosive (APEX) munition in support of Full Materiel Release and technology maturation, munition development, prototype builds, conduct engineering tests for 25mm Bradley Aerial Defeat Ground Enhanced Round (BADGER) munition in support of Urgent Materiel Release, and achievement of Milestone B (MS-B).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: 30x113mm Aviation Proximity Explosive (APEX) ***Description:*** Develop, demonstrate, and qualify the 30mm High Explosive Proximity munition for anti-personnel and counter UAS missions. ***FY 2026 Base Plans:*** Procure long lead materials for munition development, conduct preliminary design review, and live fire design engineering test of 30x113mm Aviation Proximity Explosive (APEX) munition in support of Full Materiel Release. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to transition from PE 0603639A, Project XT5.	-	-	3.675	-	3.675
Title: 25mm Bradley Aerial Defeat Ground Enhanced Round (BADGER) ***Description:*** Develop, demonstrate, and qualify the 25mm High Explosive Proximity munition for anti-personnel and counter UAS missions. ***FY 2026 Base Plans:***	-	-	11.600	-	11.600

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** XT6 / *Medium Caliber Anti-Personnel and Counter UAS*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Technology maturation, munition development, prototype builds, conduct engineering tests for 25mm Bradley Aerial Defeat Ground Enhanced Round (BADGER) munition in support of Urgent Materiel Release, and achieve Milestone B (MS-B). ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to New Start effort.					
Accomplishments/Planned Programs Subtotals	-	-	15.275	-	15.275

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
• XT5: *30mm Anti-Personnel and Counter UAS*	17.076	0.182	-	-	-	-	-	-	-	-	-
• E91122: *CTG, 30MM C-UAS HE PROXIMITY FUSE*	-	-	0.887	-	0.887	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

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

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) XT6 / *Medium Caliber Anti-Personnel and Counter UAS*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1225 APEX EMD Development Contract	C/CPFF	Northrup Grumman Defense Systems (NGDS) : Plymouth, MN	-	-		-		2.525	Mar 2026	-		2.525	0.000	2.525	-
XM1228 BADGER Development Contract	C/CPFF	Northrup Grumman Defense Systems (NGDS) : Plymouth, MN	-	-		-		4.400	Mar 2026	-		4.400	0.000	4.400	-
		Subtotal	-	-		-		6.925		-		6.925	0.000	6.925	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1225 APEX Engineering Support DEVCOM AC	MIPR	Development Command - Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		-		0.650	Mar 2026	-		0.650	0.000	0.650	-
XM1228 BADGER Engineering Support DEVCOM AC	MIPR	Development Command - Armaments Center (DEVCOM AC) : Picatinny Arsenal, NJ	-	-		-		3.200	Mar 2026	-		3.200	0.000	3.200	-
		Subtotal	-	-		-		3.850		-		3.850	0.000	3.850	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1225 APEX Design Engineering Test (DET)	MIPR	Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	-		-		0.500	Feb 2026	-		0.500	0.000	0.500	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604802A / *Weapons and Munitions - Eng Dev*	Project (Number/Name) XT6 / *Medium Caliber Anti-Personnel and Counter UAS*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
XM1228 BADGER Safety Confirmation	MIPR	Aberdeen Test Center (ATC) : Aberdeen, Maryland	-	-		-		2.200	Jun 2026	-		2.200	0.000	2.200	-
XM1228 BADGER Engineering Testing	MIPR	Naval Surface Warfare Center (NSWC) : Dahlgren, VA	-	-		-		1.800	Apr 2026	-		1.800	0.000	1.800	-
		Subtotal	-	-		-		4.500		-		4.500	0.000	4.500	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		-		15.275		-		15.275	0.000	15.275	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** XT6 / *Medium Caliber Anti-Personnel and Counter UAS*

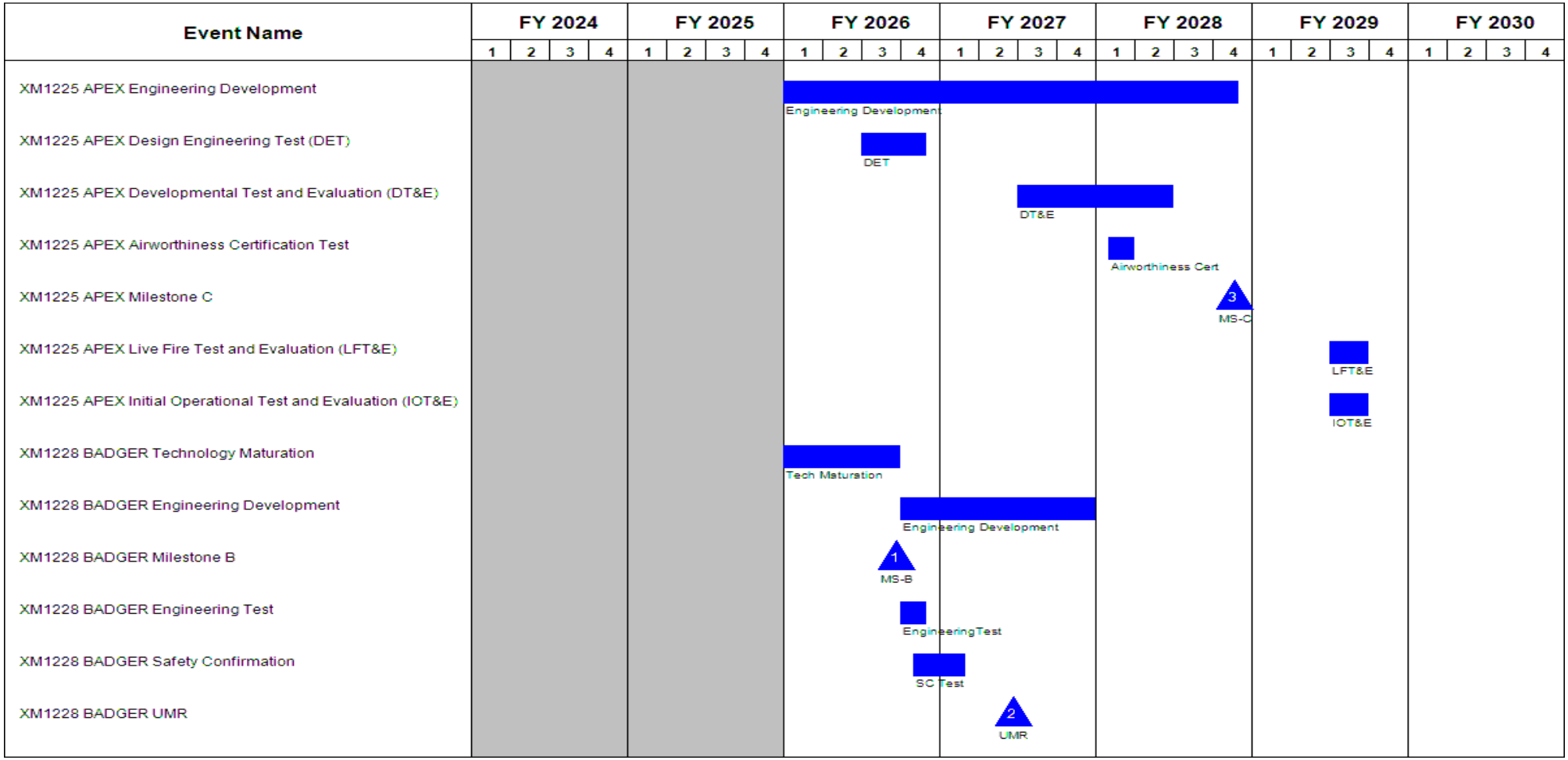


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604802A / *Weapons and Munitions - Eng Dev*	**Project (Number/Name)** XT6 / *Medium Caliber Anti-Personnel and Counter UAS*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
XM1225 APEX Engineering Development	1	2026	4	2028
XM1225 APEX Design Engineering Test (DET)	3	2026	4	2026
XM1225 APEX Developmental Test and Evaluation (DT&E)	3	2027	2	2028
XM1225 APEX Airworthiness Certification Test	1	2028	1	2028
XM1225 APEX Milestone C	4	2028	4	2028
XM1225 APEX Live Fire Test and Evaluation (LFT&E)	3	2029	3	2029
XM1225 APEX Initial Operational Test and Evaluation (IOT&E)	3	2029	3	2029
XM1228 BADGER Technology Maturation	1	2026	3	2026
XM1228 BADGER Engineering Development	4	2026	4	2027
XM1228 BADGER Milestone B	3	2026	3	2026
XM1228 BADGER Engineering Test	4	2026	4	2026
XM1228 BADGER Safety Confirmation	4	2026	1	2027
XM1228 BADGER UMR	2	2027	2	2027

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng 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	-	58.554	46.829	50.194	-	50.194	-	-	-	-	-	-
194: *Engine Driven Gen Ed*	-	12.338	11.865	6.154	-	6.154	-	-	-	-	-	-
EJ9: *Maneuver Support Vessel (MSV)*	-	7.541	15.030	6.722	-	6.722	-	-	-	-	-	-
FG4: *Ultra-Lightweight Camouflage Net System (ULCANS)*	-	5.000	5.000	6.781	-	6.781	-	-	-	-	-	-
H01: *Combat Engineer Eq Ed*	-	-	-	2.319	-	2.319	-	-	-	-	-	-
L39: *Field Sustainment Support Ed*	-	4.648	8.884	17.195	-	17.195	-	-	-	-	-	-
L41: *Water And Petroleum Distribution - Ed*	-	7.268	2.618	6.431	-	6.431	-	-	-	-	-	-
L46: *Maintenance Support Equipment*	-	1.258	-	2.259	-	2.259	-	-	-	-	-	-
L47: *Improved Environmental Control Units Ed*	-	1.062	1.171	1.162	-	1.162	-	-	-	-	-	-
VR7: *Combat Service Support Systems*	-	19.439	2.261	1.171	-	1.171	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) provides system development, demonstration, and test and evaluation funding for various projects. This PE includes the development of watercraft, military tactical and assault bridging, material handling equipment, construction equipment, engineer support and maintenance equipment, soldier support equipment (to include shelter systems, environmental control, field service equipment, camouflage systems and aerial delivery equipment), water purification equipment, petroleum distribution equipment, and mobile electric power.

The FY 2026 request was reduced by $0.097 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 request was reduced by $0.247 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	37.420	41.829	20.677	-	20.677
Current President's Budget	58.554	46.829	50.194	-	50.194
Total Adjustments	21.134	5.000	29.517	-	29.517
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	22.500	5.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.366	-			
• Adjustments to Budget Years	-	-	29.517	-	29.517

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2024	FY 2025
Project: FG4: *Ultra-Lightweight Camouflage Net System (ULCANS)*		
Congressional Add: *Mobile Camouflage Systems*	5.000	5.000
Congressional Add Subtotals for Project: FG4	5.000	5.000
Project: VR7: *Combat Service Support Systems*		
Congressional Add: *Arctic Campaigning Logistics and Engineering Equipment*	1.000	-
Congressional Add: *Arctic Capable Expeditionary Shelters*	4.500	-
Congressional Add: *Deployable, energy efficient, rigid wall shelter*	12.000	-
Congressional Add Subtotals for Project: VR7	17.500	-
Congressional Add Totals for all Projects	22.500	5.000

Change Summary Explanation

Funding increase in FY 2026 from the previous PB to the current PB reflects an increase in Combat Engineer funds intended to modernize construction and combat engineer equipment, re-initiates the Mobile Camouflage System, Field Sustainment as developmental efforts commence for Long-Range JPADS, continues developmental efforts for Water and Petroleum programs, and reinstates funding for Maintenance Support Equipment developmental efforts.

Project 194: Funding decrease in FY 2026 from the previous PB to current PB due to developmental testing completion for STEP 3kW.

Project EJ9: Funding decrease in FY26 reflects modification to MSV-L Prototype testing requirements.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604804A *I Logistics and Engineer Equipment - Eng Dev*

Project FG4: Funding increase reflects continuation of Mobile Camouflage Systems planned program efforts to support the development of vehicle platforms including the Abrams and Bradley Fighting Vehicle.

Project H01: Funding increase in Combat Engineer funds intended to modernize construction and combat engineer equipment.

Project L39: Funding increase reflects the beginning of the EMD phase of Long-Range JPADS and increase of test costs to now associated with all four capabilities of SADE-SL.

Project L41: Funding increase supports continued development efforts for Water and Petroleum Distribution programs.

Project L46: Funding increase supports Maintenance Support Equipment developmental efforts to include the Standard Automotive Tool Set program.

Project L47: Funding decrease for IECU reflects the continuation of developing a solution for implementation into platform integrated systems.

Project VR7: Funding decrease for ASF-RWS reflects the completion of DT and PSP in FY25.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) 194 / *Engine Driven Gen Ed*	

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
194: *Engine Driven Gen Ed*	-	12.338	11.865	6.154	-	6.154	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line is a key enabler for multiple Army Modernization Priorities by providing adaptable and efficient electrical power sources for network modernization, soldier lethality, long range precision fires, and air & missile defense. The main efforts are integrating standardized power solutions supporting specific programs and modernizations within the CPI2 command post, Soldier power battery charging, and precision fires and air & missile defense systems.

This project supports the Tactical Electric Power (TEP) programs (2kW-900kW Generators and Associated Equip) which is established to develop a modernized, standard family of Mobile Electric Power (MEP) systems to include MEP Generating Sources (MEPGS), MEP Distribution Systems (MEPDS), MEP Storage Systems (MEPSS) and MEP Management Systems (MEPMS) for all Services throughout the Department of Defense IAW DoDI 4120.11. Building on the device/component evaluations conducted in PE 0603804A project G11, this project supports the system development and demonstration of a series of innovative mobile electric power systems that are essential to the development and eventual fielding of modernized MEPGS, MEPMS, MEPSS and MEPDS. This project also supports Army modernization priorities, specifically Combat Support/Combat Service Support (CS/CSS) demands in Network / Command, Control, Communications & Intelligence (C3I), Soldier Lethality, Air & Missile Defense and Long Range Precision Fires, field hospital power, and reduces sustainment requirements.

Power Distribution Illumination Systems Electrical (PDISE) provides reliable, modular designed power distribution equipment that is critical to deploying power networks. PDISE Expansion will add power distribution greater than 60kW and a universal controller that can connect multiple power sources. The Prime Power Distribution Systems (PPDS) effort will fulfill prime power (medium voltage, 4160 Volts Alternating Current (VAC)) distribution shortfalls to support 249th Engineer Battalion (Prime Power) and Force Provider Expeditionary (FPE) requirements. PPDS will provide modernized power distribution capabilities for the U.S. Army Deployable Power Generation and Distribution System (DPGDS), the FPE Prime Power Connection Kit (PPCK), and the U.S. Air Force Basic Expeditionary Airfield Resources (BEAR) power systems. The PPDS will incorporate advanced capabilities and include three primary components: an improved Primary Switching Center (iPSC), secondly, an improved Secondary Distribution Center (iSDC), and last, a Tactical Prime Power Transformer (TPPT). The Universal Power Gateway (comprised of a Universal Power Electronic Secondary Controller and advanced energy storage) will enable a seamless alternating current/direct current (AC/DC) power grid to connect multiple sources (generator, energy storage, vehicle power, renewable), giving the warfighter maximum operational flexibility, greater operational reliability, and reduced logistics footprint.

STEP is a modernization program for existing legacy small power generation systems, that will provide expeditionary, durable and reliable tactical electric power capabilities less than 5kW, to support operations in the austere environments of today's battlefield. The STEP program is a critical enabler to the Army modernization priorities under Army Futures Command Soldier Lethality Cross Functional Team (CFT) and Network CFT. It will provide battery charging power sources for Soldier borne sensors, lasers and optics.

The Hybrid AMMPS Power Source (HAPS), renamed from Integrated Fire Control Network (IFCN) in FY 2024, activities include the development and integration a 10kW bi-directional power converter to include the integration of 6T format Lithium Ion (Li-Ion) batteries on a IFCN platform system.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

The U.S Army field hospital configurations require a modernized power generator and distribution system to support medical operations in large scale ground combat operations (LSGCO). Based on the Army's modernized field hospital and recently fielded next generation computed tomography (CT) systems, the current Modified Table of Organization and Equipment (MTOE) authorization of 100kw Tactical Quiet Generators (TQGs) are insufficient to meet the operational power demands for the 148-bed configuration.

FY 2026 funds will support prototyping and engineering, manufacturing and development efforts for the STEP 3kW and PPDS effort.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Power Distribution Illumination Systems Electrical (PDISE) expansion	1.567	2.000	2.884	-	2.884
Description: Prepare PDISE Expansion - Prime effort by awarding the Prime Power Distribution Systems (PPDS) contract, developing prototype build/test components and start developmental testing inclusive of the Improved Primary Switching Center (iPSC), Improved Secondary Distribution Center (iSDC) Version-1 and Version-2, and Tactical Prime Power Transformer (TPPT). The PPDS enables distribution of power from prime power sources which use medium voltages or higher. The system will transform medium or higher voltages down to standard 120/208 V, 3-phase power. Elements of the PPDS will enhance the existing PSC and SDC by incorporating advanced capabilities to accept either 4160 Volts Alternating Current (VAC) primary input power from a USA Deployable Power Generation and Distribution System (DPGDS) or a USAF Basic Expeditionary Airfield Resources (BEAR) power source or 13.8kVAC from contracted and commercial power sources or host nation/existing distribution systems. Prime Power Connection Kit (PPCK) effort renamed to Prime Power Distribution Systems (PPDS) in FY 2024.					
FY 2025 Plans: Prime effort would be continuing the Prime Power Distribution Systems (PPDS) prototype build/test components and start developmental testing inclusive of the Improved Primary Switching Center (iPSC), Improved Secondary Distribution Center (iSDC) V-1 & V-2, and Tactical Prime Power Transformer (TPPT).					
FY 2026 Base Plans: Funding to support prototype development completion and developmental testing of iPSC, iSDC and TPPT.					
FY 2025 to FY 2026 Increase/Decrease Statement: Increase in funding from FY 2025 to FY 2026 reflects continued requirements for PPDS prototype developmental and to initiate developmental testing efforts of iPSC, iSDC and TPPT.					
FY 2026 Base Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Funding to support prototype development completion and developmental testing of iPSC, iSDC and TPPT. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase in funding from FY 2025 to FY 2026 reflects continued requirements for PPDS prototype developmental and to initiate developmental testing efforts of iPSC, iSDC and TPPT.					
Title: STEP ***Description:*** The Small Tactical Electrical Power (STEP) is a modernization program for existing legacy 2kW and 3kW systems, that will provide small tactical electric power capabilities less than 5-Kilowatts (<5kW), and is durable and reliable, in order to operate in the austere environments of today's battlefield. The STEP program will consist of two major lines of effort providing three distinct power generating and power storage capabilities. These systems will be approached along lines of effort that associate with a system; STEP 3kW will provide power generation and the STEP Hybrid Augmentation Systems (STEP HAS) will be an add-on for both systems that will provide energy storage. The STEP program is a critical enabler to the Army modernization priorities under Army Futures Command Soldier Lethality Cross Function Team (CFT) and Network CFT. It will be power sources for Soldier borne sensors, lasers and optics. ***FY 2025 Plans:*** FY 2025 funds support the continuation of the STEP 3kW development contract. ***FY 2026 Base Plans:*** FY 2026 funding will support the final phase of STEP 3kW EMD contracts and Developmental Testing at Aberdeen Test Center. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease in funding from FY 2025 to FY 2026 due to developmental testing completion for STEP 3kW.	8.740	9.865	3.270	-	3.270
Title: IFCN Effort ***Description:*** The effort will develop and integrate an advanced hybrid power solution for the AMMPS generators to initially support operation of the Integrated Fire Control Network (IFCN) Relay. Primary effort will include development and integration of a 10kW bi-directional power converter, integration of 6T format Lithium Ion (Li-Ion) batteries and development of a hybrid power architecture design that will provide IFCN a full range of AC and DC power. The bi-directional power converter will supply AC and DC power, provide AC transfer switch functions and charge Li-Ion batteries.	2.031	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
IFCN effort renamed to Hybrid AMMPS Power Source (HAPS) in FY 2024.					
Accomplishments/Planned Programs Subtotals	12.338	11.865	6.154	-	6.154

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
• MA9800: *Generators And Associated Equip*	79.509	93.591	86.523	2.550	89.073	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Small Tactical Electric Power (STEP) program is a modernization program that will provide a family of systems of improved mobile Tactical Electric Power (TEP) sources and will replace the legacy 2kilowatt (kW) Military Tactical Generator (MTG) and the 3kW Tactical Quiet Generator (TQG). STEP models will be lightweight, modular, reliable, and more logistically supportable power sources than their predecessors for the Department of Defense's (DoD) 21st Century digitized forces.

The acquisition for STEP will incorporate Joint service requirements to reduce cost, maximize interoperability and increase performance over existing generator systems. STEP will implement separate lines of effort. Due to the recent change to requirements based on the Feb 23 approval of the STEP Capability Development Document (CDD), phasing of the lines of effort have changed. The STEP 3kW entered development in 2Q FY 2023. The STEP LW prototype testing in FY 2022 determined that the current solution was not viable for long-term sustainment.

PDISE is a family of power distribution and illumination equipment that transmits electrical power from mobile generation equipment to the end users in a field environment. Power Distribution Illumination Systems Electrical (PDISE) provides the linkage between the generators and the Network/C3I, Air & Missile Defense, Long Range Precision Fires, Command Post and Combat Support/Combat Service Support systems, Command Post Integrated Infrastructure (CPI2) and Towable Expeditionary Shelter System (TESS), and AMMPS Microgrid MG-5206 120kW for Army Field Hospitals. PDISE Expansion - Prime is the Prime Power Distribution Systems (PPDS) inclusive of the Improved Primary Switching Center (iPSC), Improved Secondary Distribution Center (iSDC), and Tactical Prime Power Transformer (TPPT). The contracting strategy is a 10-year Firm-Fixed Price (FFP) contract awarded in 2QFY25 (Feb) with a 5-year base and a 5-Year option.
The 5-Year base includes a 24-month prototype build/test phase followed by 36-month production option. The 5-Year option includes five (5) 12-month optional production ordering periods.

PPDS will develop a materiel solution to support Army Prime Power for the 249th Engineer Battalion (Prime Power) as well as Force Provider Expeditionary. contingency-base operations. The contract includes the research, design, manufacturing, and delivery of first articles prototypes scheduled in 2QFY26. Prototype testing and operational assessment will be completed 2QFY27.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

The acquisition strategy for the Hybrid AMMPS Power Source (HAPS) includes a 22-month Other Transaction Authority (OTA), Firmed-Fixed Price (FFP) developmental contract that will develop a prototype bi-directional power converter and prototype Li-Ion six terminal (6T) format battery module that will support a wide application of requirements. The objective of this effort is to develop and conduct testing activities on a prototype power converter that will accept alternating current (AC) input power from the Advanced Medium Mobile Power Source (AMMPS) 10 kilowatt (kW), 5kW and other Department of Defense (DoD) generator sets and direct current (DC) input from sources that include but are not limited to DoD batteries, NATO slave ports, and other commonly used DoD 28 Volt Direct Current (VDC) power sources.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) 194 / *Engine Driven Gen Ed*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PDISE Expansion (PPDS)	Various	PM E2S2 : Ft. Belvoir	1.275	-		0.350	Jan 2025	0.165	Jan 2026	-		0.165	Continuing	Continuing	Continuing
STEP	MIPR	DEVCOM RTI : PM E2S2 Ft. Belvior	5.164	0.495	Jan 2024	0.860	Jan 2025	2.591	Jan 2026	-		2.591	0.000	9.110	-
		Subtotal	6.439	0.495		1.210		2.756		-		2.756	Continuing	Continuing	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
STEP	C/FFP	Prototyping and engineering, manufacturing and development efforts : HDT Global, AL; MLS, CA; and P2MS, MO	13.733	7.237	Mar 2024	2.800	Jan 2025	-		-		-	0.000	23.770	-
PDISE Expansion (PPDS)	TBD	Prototyping and engineering, manufacturing and development efforts : ATC, APG MD	0.042	1.567	Feb 2025	0.350	Feb 2025	-		-		-	0.000	1.959	-
		Subtotal	13.775	8.804		3.150		-		-		-	0.000	25.729	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
(AMMPS) IFCN	C/FFP	PM E2S2 Ft. Belvoir : PM E2S2 Ft. Belvoir	0.798	0.652	Sep 2024	-		-		-		-	0.000	1.450	-
STEP	C/FFP	Various : PM E2S2 Ft. Belvoir	0.706	0.259	Jan 2024	0.500	Jan 2025	0.227	Jan 2026	-		0.227	0.000	1.692	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) 194 / *Engine Driven Gen Ed*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PDISE Expansion (PPDS)	Various	PM E2S2 : Ft. Belvoir	-	-		0.300	Jan 2025	0.551	Jan 2026	-		0.551	0.000	0.851	-
		Subtotal	1.504	0.911		0.800		0.778		-		0.778	0.000	3.993	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
STEP	MIPR	ATC : Aberdeen, MD	0.855	0.749	Jan 2024	5.705	Jan 2025	0.452	Jan 2026	-		0.452	0.000	7.761	-
PDISE Expansion (PPDS)	TBD	ATC : APG, MD	-	-		1.000	Apr 2025	2.168	Nov 2026	-		2.168	0.000	3.168	-
(AMMPS) IFCN	MIPR	ATEC : ATC	-	1.379	Mar 2024	-		-		-		-	0.000	1.379	-
		Subtotal	0.855	2.128		6.705		2.620		-		2.620	0.000	12.308	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	22.573	12.338		11.865		6.154		-		6.154	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

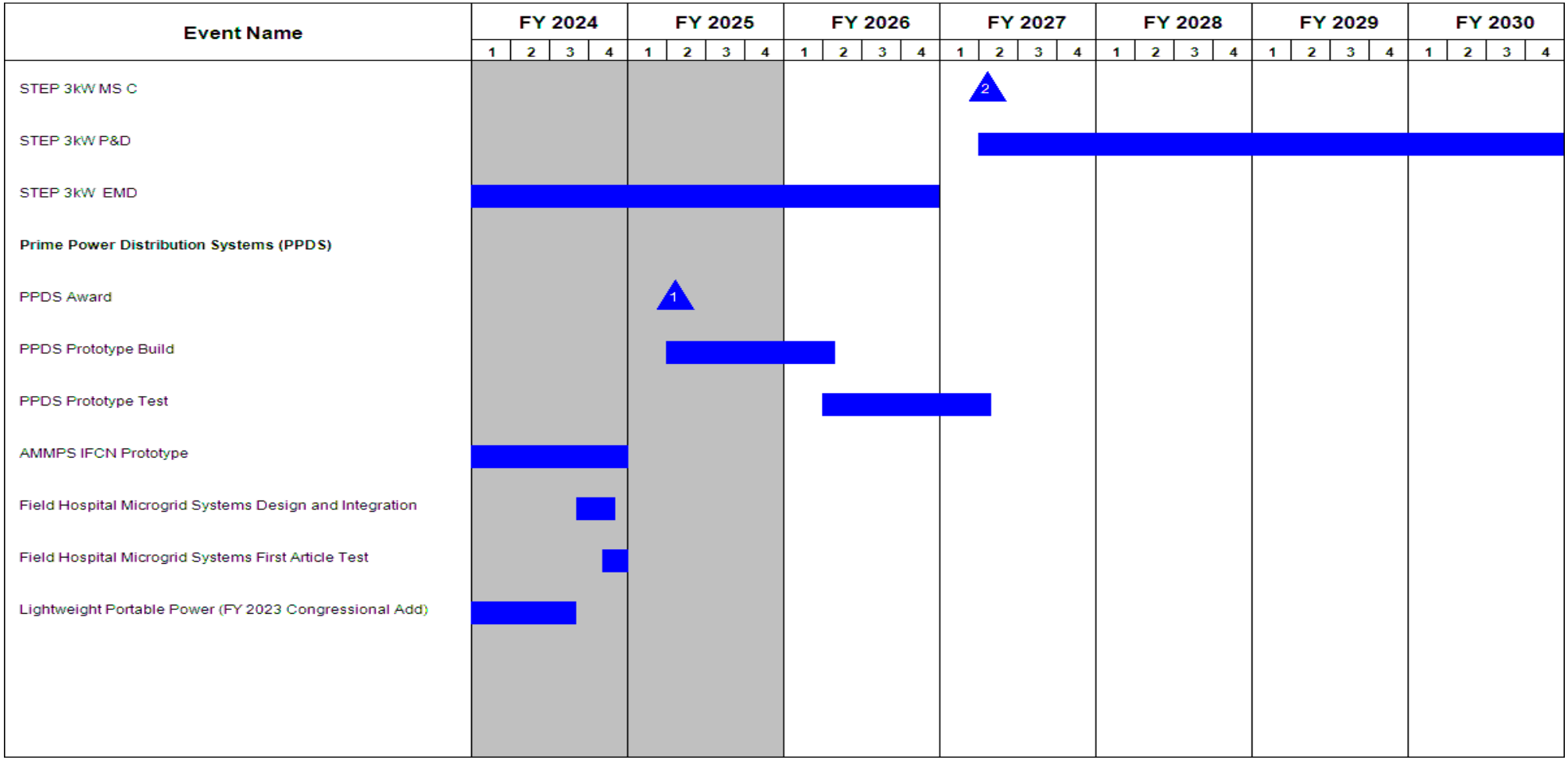


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** 194 / *Engine Driven Gen Ed*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
STEP 3kW MS C	2	2027	2	2027
STEP 3kW P&D	2	2027	4	2030
MS B STEP 3kW	2	2023	2	2023
STEP 3kW EMD	2	2023	4	2026
Prime Power Distribution Systems (PPDS)	3	2021	4	2029
PPDS Award	2	2025	2	2025
PPDS Prototype Build	2	2025	2	2026
PPDS Prototype Test	2	2026	2	2027
AMMPS IFCN Prototype	2	2021	4	2024
Field Hospital Microgrid Systems Design and Integration	3	2024	4	2024
Field Hospital Microgrid Systems First Article Test	4	2024	4	2024
Lightweight Portable Power (FY 2023 Congressional Add)	3	2023	3	2024

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) EJ9 / *Maneuver Support Vessel (MSV)*	

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
EJ9: *Maneuver Support Vessel (MSV)*	-	7.541	15.030	6.722	-	6.722	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project line supports the family of Maneuver Support Vessels (MSV) which enable Dynamic Force Repositioning (DFR) by providing the Combatant, Multi-Domain Operations (MDO) and Joint All Domain Operations (JADO) Commanders with the ability to access multiple entry points via littorals and inland waterways (waterborne corridor) to sustain forces within an anti-access/area denial (A2/AD) bubble. The family of MSV include the Maneuver Support Vessel (Light) and other systems both manned and autonomous and enablers which support INDOPACOM operational plans and Army Title 10 requirements to prepare for land combat and provide watercraft support in a theater of operations in support of Geographic Combatant Commands (GCC). MSV connectors will provide Surge, Precision and Dispersed Logistics to move and maneuver tailored forces, combat ready troops, platforms, equipment, and supply bulk fuel and water across the full spectrum of operations. MSV connectors mitigate A2/AD threats by providing access to shallow coastal waters, rivers, in narrow inland waterways in support of dispersed force elements in austere environments and where mature ports or road networks are unavailable.

The MSV(L) provides upgraded capabilities such as higher operational speed, reduced draft and increased payload to support expeditionary movement and maneuver of tailored forces and combat power to mitigate the Anti-Access/Area Denial (A2/AD) operational environment. Capable of delivering a combat configured Abrams, Stryker or Bradley Fighting Vehicles along with critical sustainment missions including delivery of food, water, fuel, and ammunition. MSV(L) is the first new development program which will displace the Army's aging Landing Craft Mechanized-8 (LCM-8) class of vessels. The LCM-8 does not have the speed, functional draft (shallow water capability), interoperability, or maneuver capability to move today's Army Maneuver Platforms.

The MSV(L) prototype will undergo contractor and government testing through FY 2026, with limited Reliability and Maintainability (RAM) testing in FY 2027. Following prototype testing the prototype vessel may be used as a test bench for future modifications and or a training asset. The MSV(L) low-rate initial production vessels will complete RAM, Production Verification Testing, and Initial Operational & Evaluation in FY 2027-2030.

The family of MSV will also include interim capabilities and enablers to facilitate the range of pulsed operations in the littorals. FY 2026 RDTE dollars in the amount of $6.722 million support the family of Maneuver Support Vessels requirements development process with analysis and concept design, including potential autonomous solutions, to address approved requirements and testing.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: MSV Testing	7.541	15.030	6.722	-	6.722
Description: Testing for family of Maneuver Support Vessels (MSV).					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** EJ9 / *Maneuver Support Vessel (MSV)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2025 Plans: Funds testing of MSV(L) prototype vessel. ***FY 2026 Base Plans:*** Funds testing of MSV(L) prototype vessel. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 decrease due to modification to requirement for testing of MSV(L) prototype vessel.					
Accomplishments/Planned Programs Subtotals	7.541	15.030	6.722	-	6.722

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
• R03050: *Maneuver Support Vessel (Light) (MSV-L)*	149.449	88.634	33.949	-	33.949	-	-	-	-	-	-

Remarks

Significant Accomplishments:
-MSV(L) Milestone C Approved

D. Acquisition Strategy

The single, full-scale MSV(L) prototype will undergo contractor and government testing through FY 2026. Following prototype testing the prototype vessel may be used as a test bench for future modifications and/or a training asset.

Family of MSV: The Army will perform affordability and feasibility studies to inform acquisition strategies and requirements. Competitive design efforts will result in digital prototypes which will further inform acquisition strategies and requirements. Family of MSV acquisition strategies maximize competition at every phase of design, prototyping, and test to yield the most affordable and achievable position for the Army in the program's production phase.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) EJ9 / *Maneuver Support Vessel (MSV)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Trade Studies and Business Analysis	TBD	Various : Various	2.405	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	2.405	-		-		-		-		-	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Salaries for Matrix Personnel Army Watercraft, GVSC, ILSC PSID and ACC-Wrn.	MIPR	Detroit Arsenal : Warren, MI 48397-5000	22.415	-		-		-		-		-	0.000	22.415	-
		Subtotal	22.415	-		-		-		-		-	0.000	22.415	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MSV Testing Requirements	MIPR	Various : Various	-	7.541		15.030	Nov 2024	6.722	Apr 2026	-		6.722	0.000	29.293	-
		Subtotal	-	7.541		15.030		6.722		-		6.722	0.000	29.293	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	24.820	7.541		15.030		6.722		-		6.722	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** EJ9 / *Maneuver Support Vessel (MSV)*

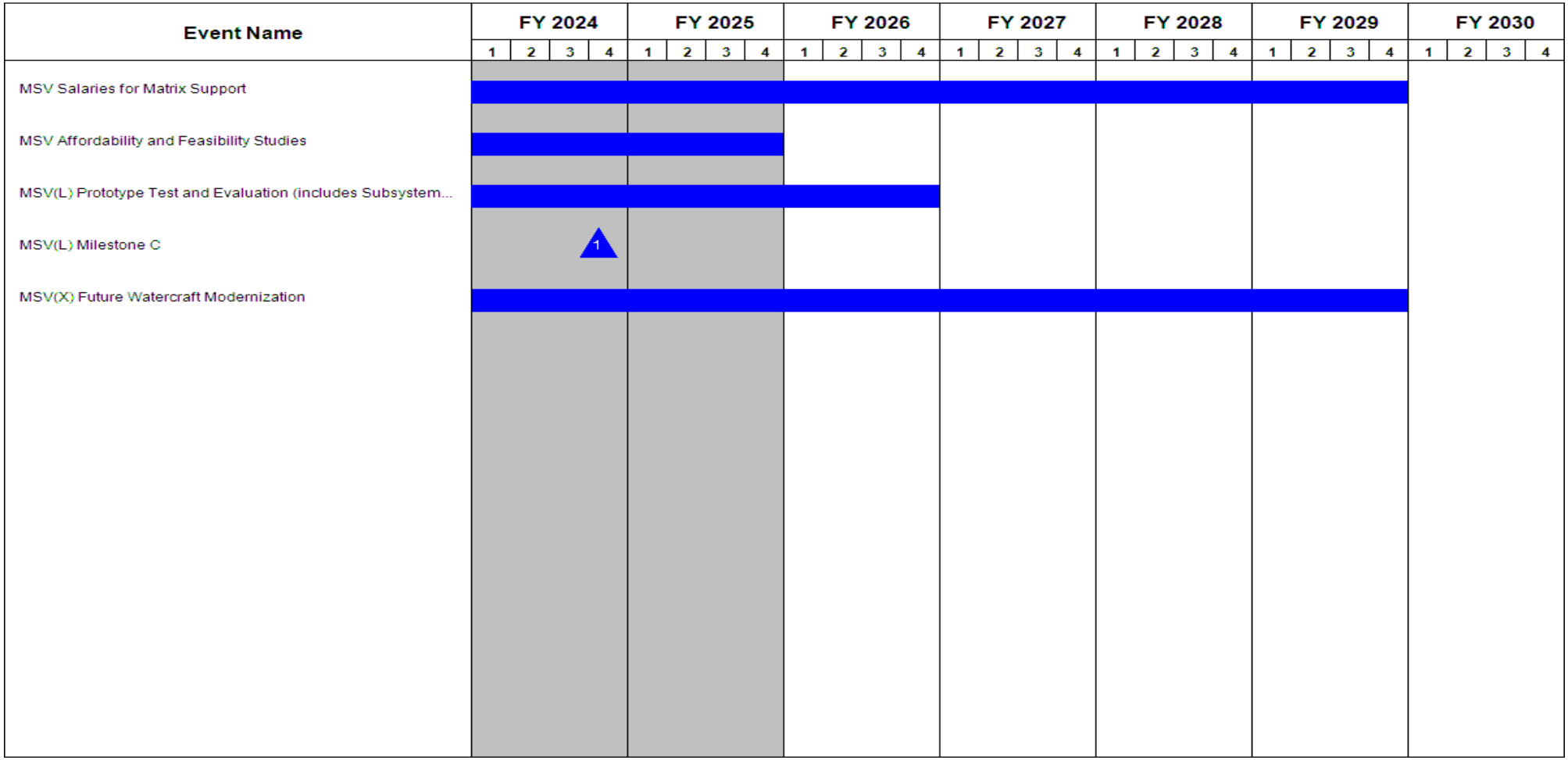


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** EJ9 / *Maneuver Support Vessel (MSV)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MSV Salaries for Matrix Support	4	2016	4	2029
MSV Affordability and Feasibility Studies	1	2022	4	2025
MSV(L) Prototype Test and Evaluation (includes Subsystem tests)	4	2019	4	2026
MSV(L) Milestone C	4	2024	4	2024
MSV(X) Future Watercraft Modernization	1	2022	4	2029

Note

Family of Maneuver Support Vessels includes multiple vessels and enablers which support Army Watercraft Modernization efforts and increase capability of Army Watercraft fleet. FY 2026 funds will support MSV(L) testing and development of Family of Maneuver Support Vessels.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*	

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
FG4: *Ultra-Lightweight Camouflage Net System (ULCANS)*	-	5.000	5.000	6.781	-	6.781	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

ULCANS provides increased survivability against multi-spectral visual, infrared and radar threats, thermal signature suppression and significant thermal/solar reduction capability. ULCANS is capable of use in all types of weather and climatic conditions except in heavy snow and winds. ULCANS variants are integrated systems that are very lightweight, easily deployable, versatile, user friendly and tailored to the equipment meeting the requirements of operations for combat systems, command and control equipment, logistic support sites, tactical facilities, and fixed facilities. RDT&E funding for ULCANS Increment I program supports formal development for necessary technology/signature enhancements of three ULCANS Increment I variants (Woodland, Arctic, Desert/Urban) to replace current legacy ULCANS variants (Woodland and Desert).

Mobile Camouflage System (MCS) provides Full Spectrum Signature Management for Vehicles from ground, aerial, and satellite. MCS enables combat vehicle protection and survivability against current peer and near-peer threats; defeats enemy targeting and surveillance systems through multi-spectral concealment (UV, VIS, NIR, SWIR, Thermal, Radar); enables multi-domain operations in A2/AD environment and provides operational units layered protection and concealment against long-range precision fires, drones, ground, aerial, and satellite threats.

Funding supports modernization of current camouflage net systems by investigating technology insertions that decrease Soldier and ground combat vehicle detection from threat sensors. Funding also supports developing initial prototypes to enable refinement of operational requirements and early user feedback to maintain overmatch signature reduction against future threat sensors from peer competitors.

FY26 funding in the amount of $6.781M supports the development of vehicle platforms including the Abrams and Bradley Fighting Vehicle.

MCS is a congressional interest program.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Mobile Camouflage Systems Expansion	-	-	6.781	-	6.781
Description: MCS enables concealment on the move/short halt, providing combat vehicle protection and survivability against current peer and near-peer threats. Defeats enemy targeting and surveillance systems through multi-spectral concealment (UV, VIS, NIR, SWIR, Thermal, Radar). Enables multi-domain operations					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
(MDO) in Anti-Access and Area Denial Environment (A2/AD). Provides operational units layered protection and concealment against long-range precision fires, drones, ground, aerial, and satellite threats. ***FY 2026 Base Plans:*** Funding supports development of vehicle platforms including the Abrams and Bradley Fighting Vehicle. Test and evaluation of vehicle platforms to address unique integration requirements and form, fit, function. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase in FY 2026 from FY 2025 reflects continuation of Mobile Camouflage Systems planned program efforts to support the development of vehicle platforms including the Abrams and Bradley Fighting Vehicle.					
Accomplishments/Planned Programs Subtotals	-	-	6.781	-	6.781

	FY 2024	FY 2025
Congressional Add: Mobile Camouflage Systems	5.000	5.000
FY 2024 Accomplishments: Congressional Add. Funding supports the 2024 development of the mobile camouflage system for the Bradley Fighting Vehicle and accompanying test & evaluation events, including prototyping efforts, lab testing, and field testing, plus the cost to travel to those various events.		
FY 2025 Plans: Congressional Add. FY 2025 funding continues to support the development of the Mobile Camouflage System (MCS) for the Bradley Fighting Vehicle and accompanying test and evaluation efforts, prototype efforts, lab testing, field testing, and additionally award the delivery order to begin MCS development for the M1 Abrams.		
Congressional Adds Subtotals	5.000	5.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The acquisition strategy for ULCANS is to accelerate production as quickly as possible. The FRP/TC-STD/FMR milestone was completed in September 2023, and systems are available for unit procurement. PMFSS has received Congressional funding pure fleet specific units in coordination with G-3//5/7. MCS CDD entry gate is scheduled for Q4FY24 and will move through the entry gate and AROC process to become a validated requirement in FY25.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*

PMFSS will coordinate with other PMs to work MCS integration and address their platform's KPP's/KSA's for signature management. PMFSS will continue to develop mature MCS solutions for platform integration. PMFSS has MOU and support agreements with multiple PMs, and MCS endorsement from ELRV, SOCOM FOSOV, ERCA, LRPF, Mission Command Battle Lab, NGCV CFT, and direct alignment to Network CFT LOE 4. PMFSS will continue the efforts to finalize MCS as a formal requirement and a program of record.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	TBD	PM FSS : Natick, MA	0.647	0.500	Dec 2024	0.250	Jul 2025	0.664	Oct 2025	-		0.664	0.000	2.061	-
		Subtotal	0.647	0.500		0.250		0.664		-		0.664	0.000	2.061	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MCS	TBD	Various : Various	2.098	1.500	Aug 2024	2.880	Jun 2025	3.000	Dec 2025	-		3.000	0.000	9.478	-
		Subtotal	2.098	1.500		2.880		3.000		-		3.000	0.000	9.478	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MCS	TBD	Various : Various	0.180	0.600	Oct 2024	0.050	Sep 2025	1.215	Nov 2025	-		1.215	0.000	2.045	-
		Subtotal	0.180	0.600		0.050		1.215		-		1.215	0.000	2.045	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MCS	TBD	Various : Various	3.175	2.400	Feb 2025	1.820	Sep 2025	1.902	Jan 2026	-		1.902	0.000	9.297	-
		Subtotal	3.175	2.400		1.820		1.902		-		1.902	0.000	9.297	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	6.100	5.000		5.000		6.781		-		6.781	0.000	22.881	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*

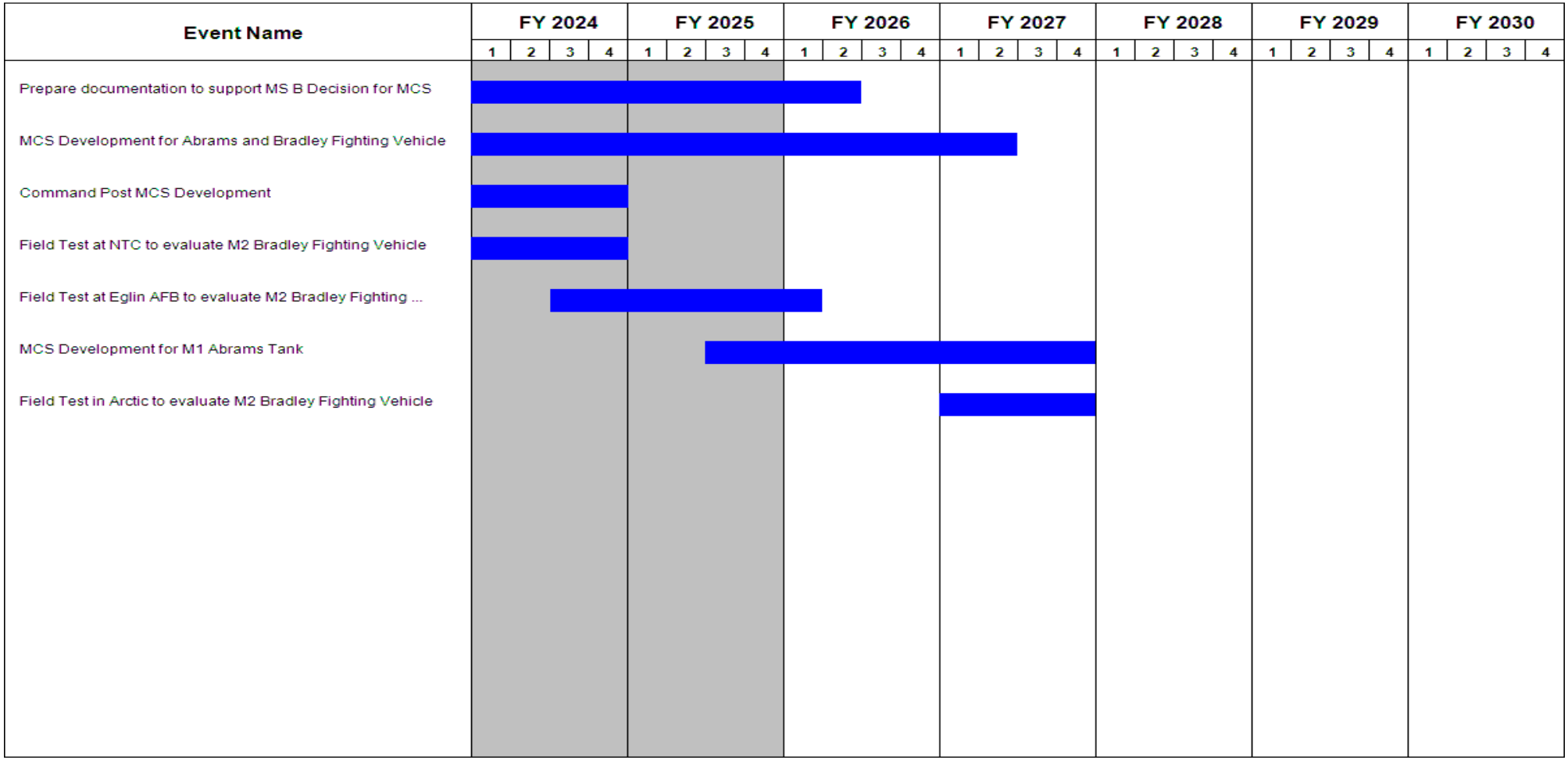


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** FG4 / *Ultra-Lightweight Camouflage Net System (ULCANS)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Prepare documentation to support MS B Decision for MCS	3	2022	2	2026
MCS Development for Abrams and Bradley Fighting Vehicle	3	2023	2	2027
Command Post MCS Development	3	2023	4	2024
Field Test at NTC to evaluate M2 Bradley Fighting Vehicle	3	2023	4	2024
Field Test at Eglin AFB to evaluate M2 Bradley Fighting Vehicle	3	2024	1	2026
MCS Development for M1 Abrams Tank	3	2025	4	2027
Field Test in Arctic to evaluate M2 Bradley Fighting Vehicle	1	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) H01 / *Combat Engineer Eq Ed*	

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
H01: *Combat Engineer Eq Ed*	-	-	-	2.319	-	2.319	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Combat Engineer Eq Ed is a new start within the Logistics and Engineer Equipment - Eng Dev program in FY 2026.

A. Mission Description and Budget Item Justification

This project supports the engineering, manufacturing, and development of combat engineer equipment used in support of horizontal and vertical engineer construction missions, and to develop a variety of enabling systems that will support and improve mobility for Engineers in the Brigade Combat Teams (BCT), Combat Support Brigade (CSB), and Multi-Roll Bridge Company (MRBC) forces. This project also supports the development of enabling systems to meet critical capabilities of joint interdependence through Air and Ground Line of Communication and Rapid Tactical Earthmoving repair and construction which increase the operational reach of modular forces. Systems that support BCT and CSB forces include: High Mobility Engineer Excavators, Scrapers, Scoop Loaders, Skid Steer Loaders, Dozers, Cranes (ATEC and Family of All Terrain Cranes), Graders and Engineer Rapid Airfield Construction Capability (ERACC). Systems that support the MRBC included the Hydraulic Excavators (HYEX), Dozer, High Mobility Engineering Excavator (HMEE), and the All-Terrain Crane. Funds pre-milestone efforts for emerging combat engineer and construction equipment programs and capabilities. Funding supports development efforts to include integration, software development, contractor data gathering, logistic product development, training devices, test articles, development of prototypes and government/contractor testing.

FY 2026 RDTE in the amount of $2.319 million provides funding for development and program support for Combat Engineer Equipment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Combat Engineer Equipment Development and Testing	-	-	2.319	-	2.319
FY 2026 Base Plans: Funds development activities in support of Combat Engineer Equipment (Dozer and Hydraulic Excavator) to include market research, purchase description development and systems engineering documents required for milestone decision, test asset build, logistics development, and program support.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase in Combat Engineer funds intended to modernize construction and combat engineer equipment.					
Accomplishments/Planned Programs Subtotals	-	-	2.319	-	2.319

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** H01 / *Combat Engineer Eq Ed*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Conduct research, development, investigations, and acquisition planning for Combat Engineer (CE) Equipment. Identify technical advancements that can improve safety, reliability, survivability, transportability, availability, maintainability and reduce the logistical footprints for current and future CE equipment.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) H01 / *Combat Engineer Eq Ed*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	MIPR	Detroit Arsenal : Warren, MI	-	-		-		0.473	Nov 2025	-		0.473	0.000	0.473	-
		Subtotal	-	-		-		0.473		-		0.473	0.000	0.473	N/A

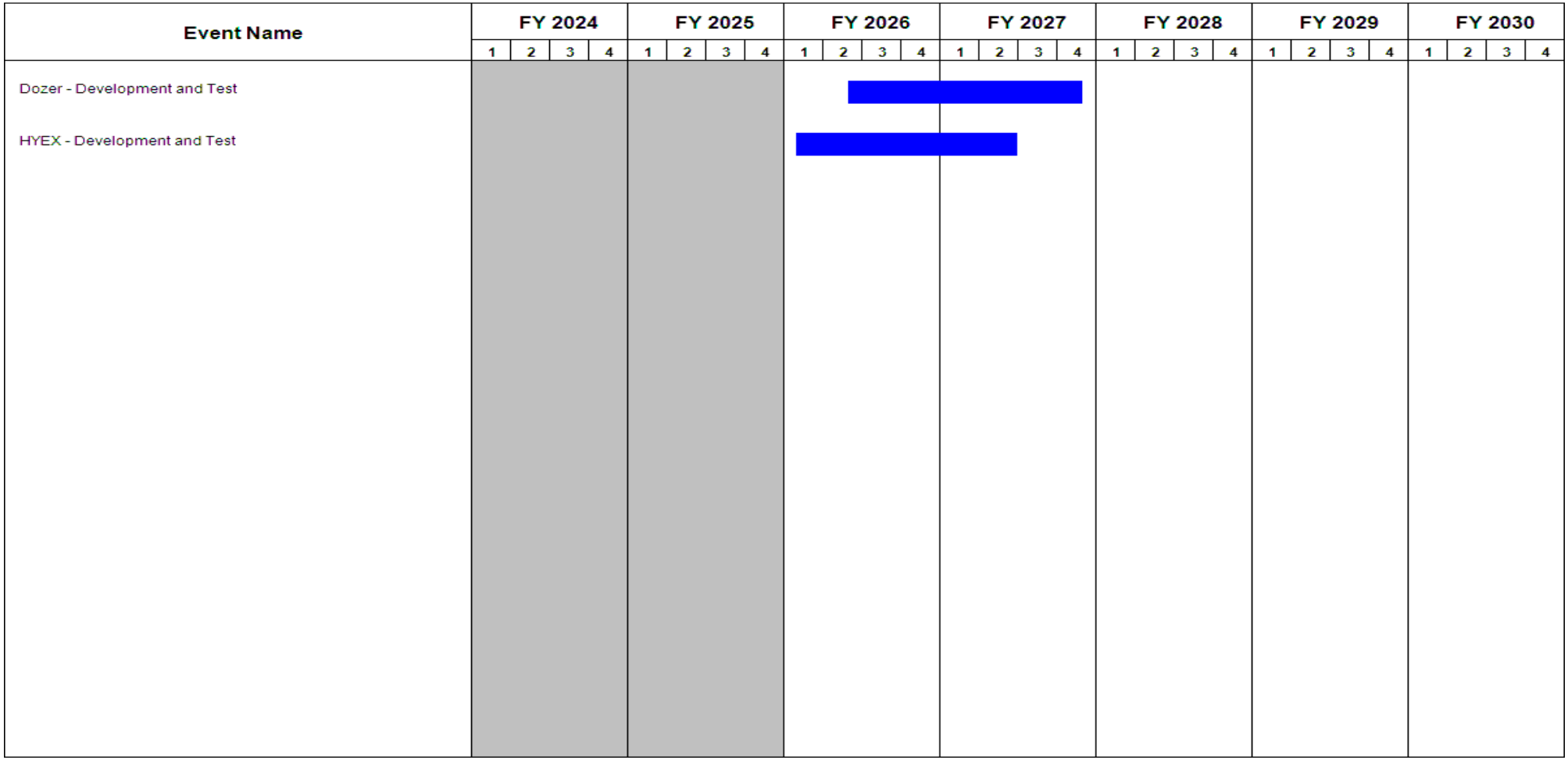
Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Dozer	MIPR	Detroit Arsenal : Warren, MI	-	-		-		1.323	Jan 2026	-		1.323	0.000	1.323	-
Hydraulic Excavator	MIPR	Detroit Arsenal : Warren, MI	-	-		-		0.523	Nov 2025	-		0.523	0.000	0.523	-
		Subtotal	-	-		-		1.846		-		1.846	0.000	1.846	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	-	-		-		2.319		-		2.319	0.000	2.319	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** H01 / *Combat Engineer Eq Ed*



Note

Combat Engineer Eq Ed restructures funding within the Logistics and Engineer Equipment - Eng Dev program in FY 2026.

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** H01 / *Combat Engineer Eq Ed*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Dozer - Development and Test	2	2026	4	2027
HYEX - Development and Test	1	2026	2	2027

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L39 / *Field Sustainment Support Ed*	

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
L39: *Field Sustainment Support Ed*	-	4.648	8.884	17.195	-	17.195	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the Engineering and Manufacturing Development (EMD) of critical capabilities for cargo aerial delivery for identified theater distribution and services capability gaps, improve unit sustainability, and increase combat effectiveness. Project supports the demonstration of engineering development models and Type Classification of cargo parachutes, airdrop containers, sling load equipment, and other aerial delivery equipment to improve safety, effectiveness, and efficiency of airborne operations. This project develops critical enablers that support the Army in executing future movement and maneuver operations and distributed sustainment support and the Army's Modular Force Capabilities by maintaining readiness through fielding and integrating new equipment. This project also ensures Army Expeditionary Forces are capable of rapid deployment by providing aerial delivery initiatives and reduces sustainment requirements, related Combat Support/ Combat Service Support (CS/CSS) demands in lift, combat zone footprint, and costs for logistical support.

Funding supports modernization of cargo aerial delivery portfolio, enabling contested logistics aerial delivery in anti-access/area denial (A2/AD) by dramatically increasing range of aerial delivery vehicles and allowing them to be employed in contested environments. Additionally, funding supports developing initial prototypes to enable refinement of operational requirements and early user feedback to support future sustainment and operational movement concepts.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Rapid Rigging and De-Rigging Airdrop System (RRDAS)	3.099	3.723	2.970	-	2.970
Description: Rapid Rigging and DeRigging Airdrop System (RRDAS) reduces rigging times while also providing the capability to rapidly de-rig loads on the drop zone. This will reduce the lead time to prepare Low Velocity Airdrop Load (LVADS) loads while also increasing the survivability of receiving ground forces by ensuring the airdrop loads (to include weapon systems, prime movers, trailers, etc.) are quickly de-rigged and made operational.					
FY 2025 Plans: Develop RRDAS Heavy design to reach Critical Design Review. Initiate Design Validation Testing. Begin logistics support development for RRDAS Heavy.					
FY 2026 Base Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
RRDAS - Light MSC in 4th Qtr FY 2025 and incorporate engineering change proposal in 4th Qtr FY 2026. RRDAS - Heavy initiate developmental testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease due to RRDAS light completion in FY 2025					
Title: Joint Precision Airdrop System (JPADS) ***Description:*** Joint Precision Air Drop System (JPADS) provides autonomous guidance of payloads dropped from at increments of 2,000 (2K) and 10,000 (10K) pounds. JPADS enables precise aerial delivery of critical cargo while proving a distance offset, ensuring aircraft survivability. The next configuration of JPADS must support the full GPS-denied capability, including hardware and software technologies such as night-vision, anti-jam technology, radio-based navigation, low-earth orbit satellites, and M-code. Additionally, a forthcoming long range capability will allow JPADS to increase its range from 15 miles, to several hundred miles. This capability will add the game-changing ability to allow airdrop from several hundred miles from its target. ***FY 2025 Plans:*** Begin EMD phase of JPADS V4 development. Down-select GPS-denied sensors, mature software architecture and finalize hardware interface design. Test early prototype at Position, Navigation, and Timing Assessment Exercise 2025 (PNTAX 25). ***FY 2026 Base Plans:*** Continue EMD phase of JPADS V4 development. Conduct testing to support preliminary design review, locking in functional baseline of GPS-denied kit. Additionally, begin EMD phase of Long-Range JPADS 2K, which includes a significant amount of prototyping and flight testing . ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 begins the EMD phase of Long-Range JPADS.	1.549	4.000	12.000	-	12.000
Title: Sustainment Aerial Delivery Equipment - Sling Load (SADE-SL) ***Description:*** SADE-SL consists of four components (Payload Stabilization, Enhanced Speed Bag, Low-Cost Cargo Net, and Low-Cost Sling Sets) which provide options for the Soldiers to provide distributed supply and sustainment support. The two low-cost components (low-cost slings sets, low-cost cargo nets) reduce the overall cost of sling load equipment and the burden of	-	1.161	2.225	-	2.225

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
intra-theatre recovery. The other two components allow for improved flight safety in the form of increased air speed by 10%-20% (Payload Stabilization Device) and decreasing hovering time to 14 seconds from time on target (Enhanced Speed Bags). ***FY 2025 Plans:*** Begin development of the 4 SADE-SL capabilities. This includes getting the vendors under contract and maturing the designs of the Payload Stabilization, Low-Cost Slings, and Low-Cost Cargo Nets, and Enhanced Speed Bag. Additionally, the TMs for these capabilities will be initiated for new capabilities and revised for mature technologies. ***FY 2026 Base Plans:*** Initiate DT/OT for sling sets, payload stabilization device and enhanced speedbag. Initiate DV for Cargo Nets. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase is due to the test costs associated with all four capabilities; Payload Stabilization, Enhanced Speed Bag, Low-Cost Cargo Net, and Low-Cost Sling Sets.					
Accomplishments/Planned Programs Subtotals	4.648	8.884	17.195	-	17.195

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
• MA7806: *Precision Airdrop*	3.000	11.096	9.039	-	9.039	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The acquisition strategy for RRDAS is to continue development of the airdrop platform for various lengths and weights, complete developmental and operational testing for lighter payloads and transition to sustainment for production availability for units to requisition. The JPADS acquisition strategy is to leverage existing contracts to conduct the EMD phase, which will have a heavy test component. Once appropriate reliability has been demonstrated, the system will by type-classified and produced using a government-owned data package. For SADE-SL the acquisition strategy is to further develop the design of the four capabilities (Payload Stabilization, Enhanced Speed Bag, Low-Cost Cargo Net, and Low-Cost Sling Sets) and then transitioning into developmental testing.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L39 / *Field Sustainment Support Ed*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	PM FSS : Natick, MA	6.998	0.759	Dec 2023	2.000	Dec 2024	3.393	Dec 2025	-		3.393	0.000	13.150	Continuing
		Subtotal	6.998	0.759		2.000		3.393		-		3.393	0.000	13.150	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
JPADS	Various	Various : Various	3.055	0.878	Oct 2023	2.200	Oct 2024	8.750	Mar 2026	-		8.750	0.000	14.883	-
RRDAS	Various	Various : Various	3.644	1.542	Nov 2023	1.700	Nov 2024	0.200	Jan 2026	-		0.200	0.000	7.086	-
SADE-SL	TBD	Various : Various	-	-		0.554	Dec 2024	0.415	Jan 2026	-		0.415	0.000	0.969	-
		Subtotal	6.699	2.420		4.454		9.365		-		9.365	0.000	22.938	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
JPADS	Various	Various : Various	0.256	0.100	Dec 2023	0.200	Dec 2024	0.195	Dec 2025	-		0.195	0.000	0.751	-
RRDAS	Various	Various : Various	0.050	0.120	Dec 2023	0.173	Dec 2024	0.192	Dec 2025	-		0.192	0.000	0.535	-
SADE-SL	TBD	Various : Various	-	-		0.107	Dec 2024	0.150	Dec 2025	-		0.150	0.000	0.257	-
		Subtotal	0.306	0.220		0.480		0.537		-		0.537	0.000	1.543	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
JPADS	Various	Various : Various	2.174	0.450	Jan 2024	1.000	Apr 2025	0.900	Mar 2026	-		0.900	0.000	4.524	-
RRDAS	Various	Various : Various	3.668	0.799	Mar 2024	0.950	Dec 2024	2.000	Nov 2025	-		2.000	0.000	7.417	-
SADE-SL	TBD	Various : Various	-	-		-		1.000	Apr 2026	-		1.000	0.000	1.000	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L39 / *Field Sustainment Support Ed*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	5.842	1.249		1.950		3.900		-		3.900	0.000	12.941	N/A

	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	19.845	4.648		8.884		17.195		-		17.195	0.000	50.572	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

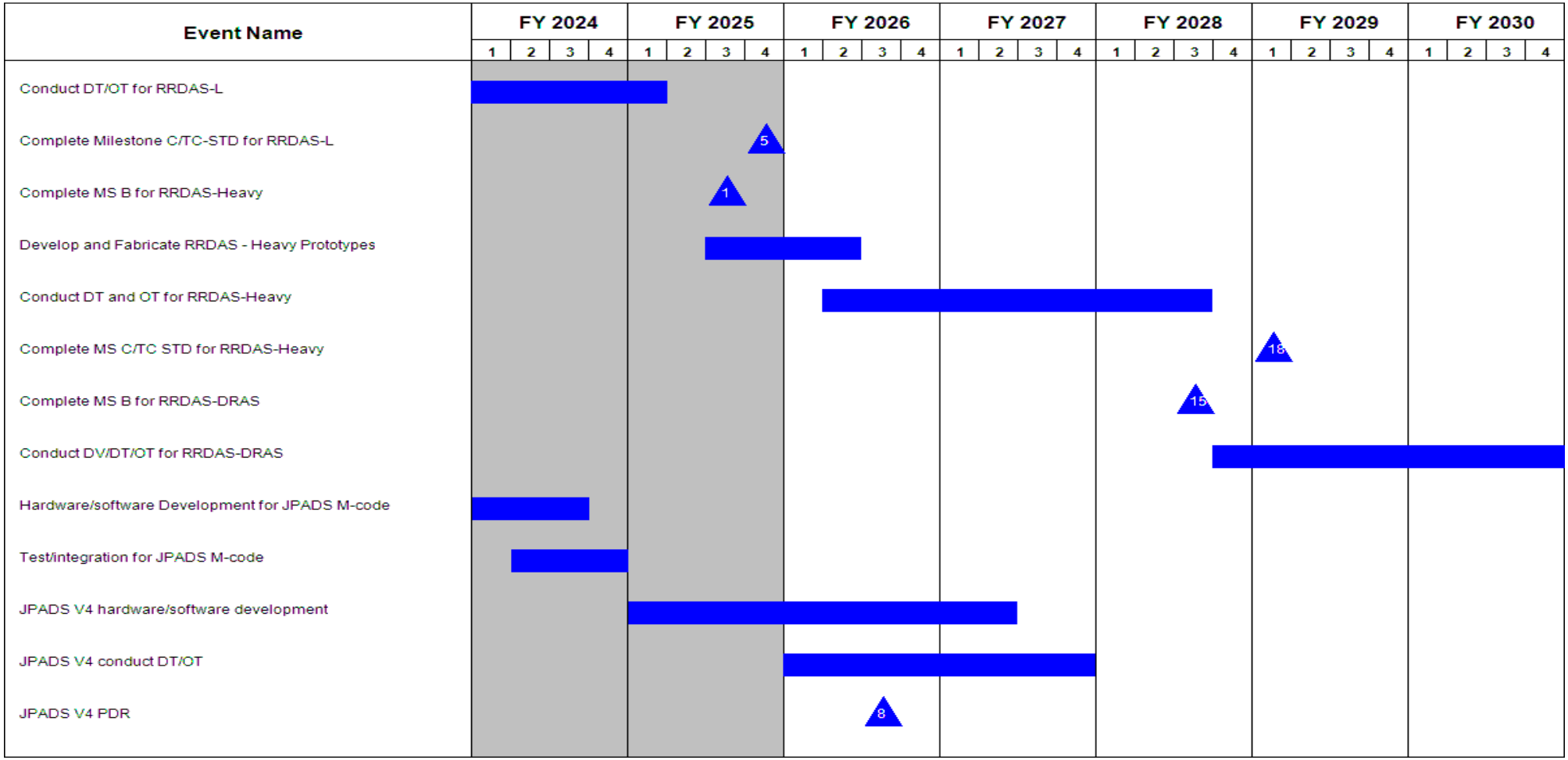


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

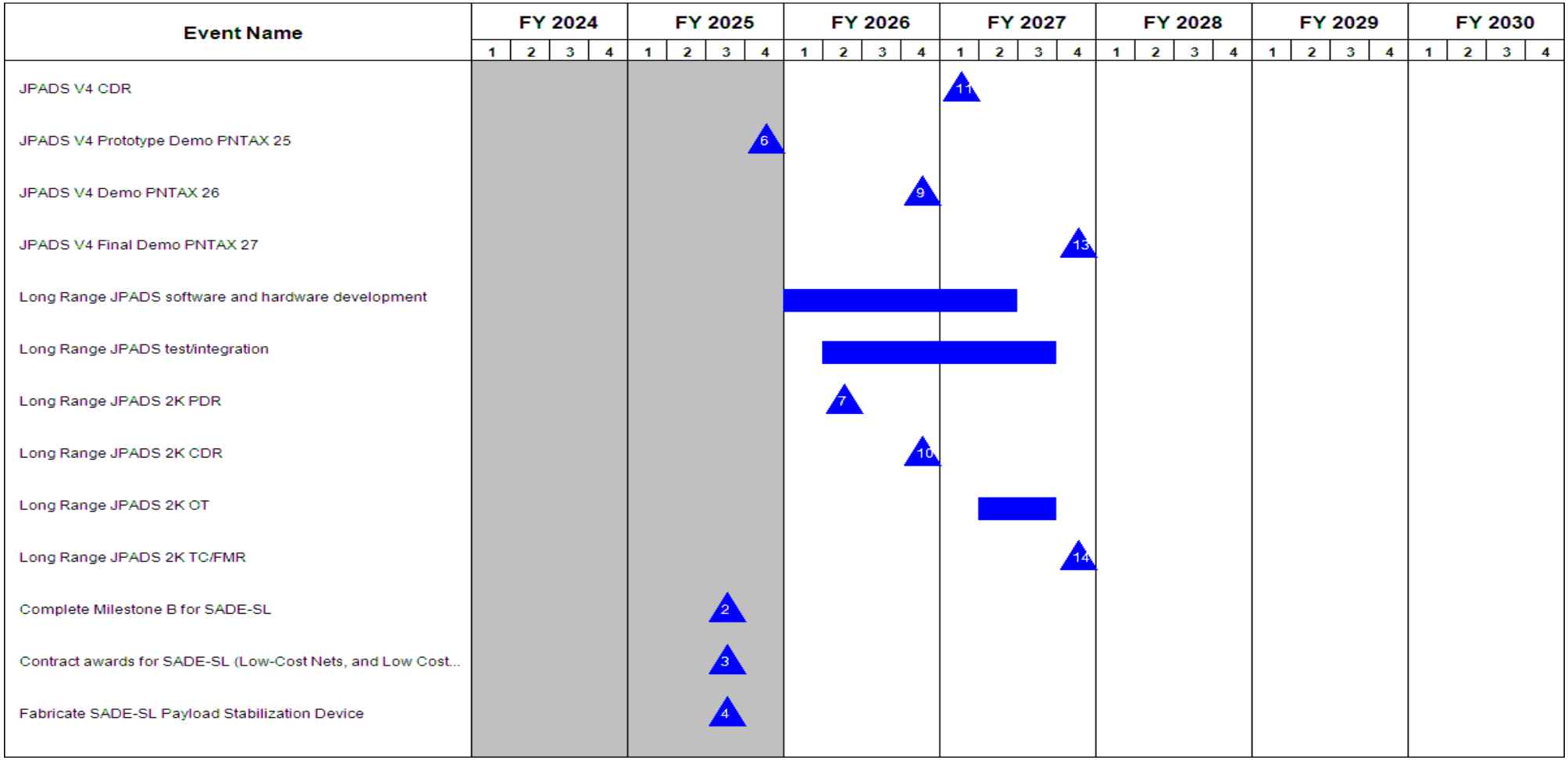


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

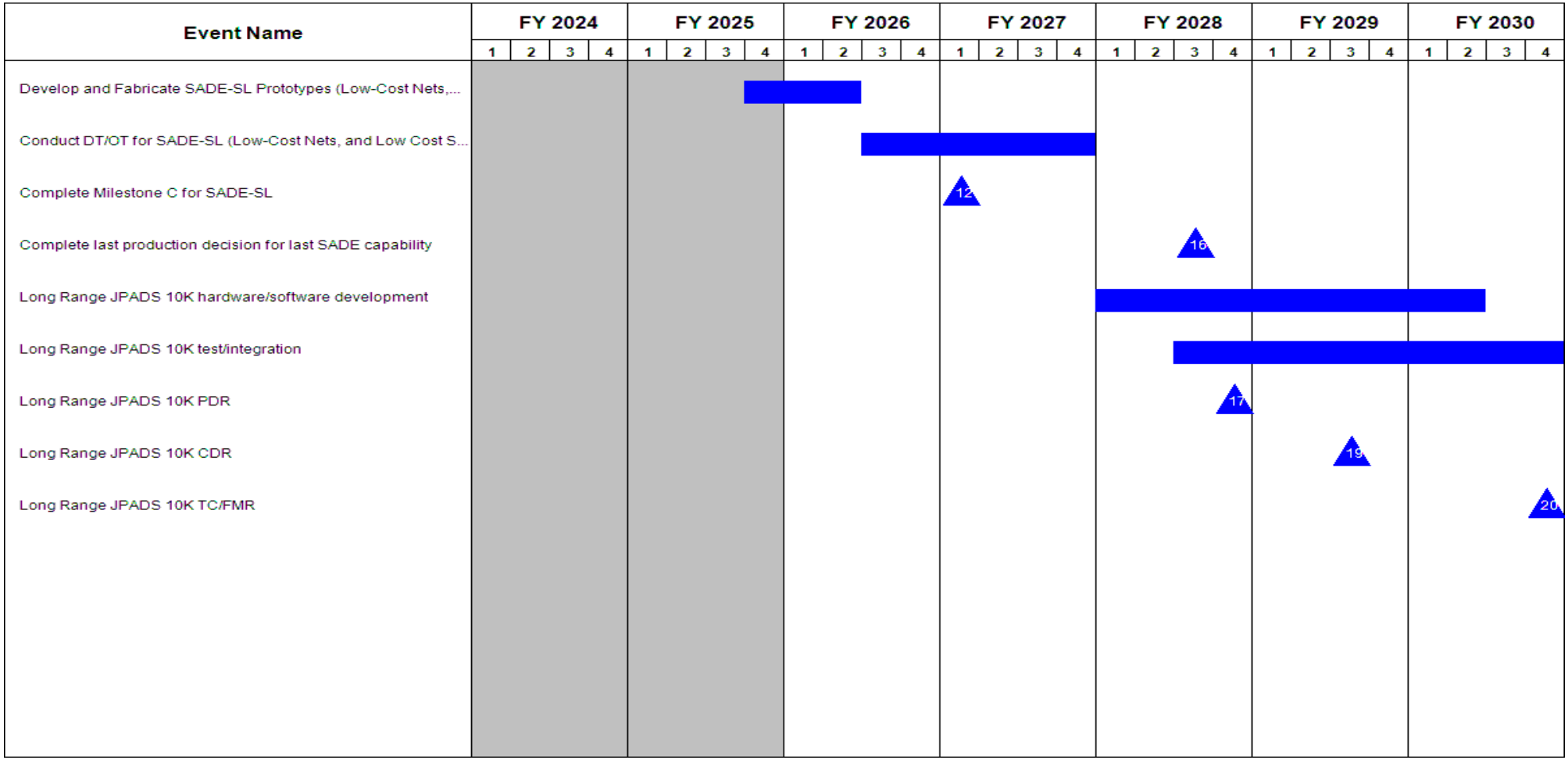


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Conduct DT/OT for RRDAS-L	3	2022	1	2025
Complete Milestone C/TC-STD for RRDAS-L	4	2025	4	2025
Complete MS B for RRDAS-Heavy	3	2025	3	2025
Develop and Fabricate RRDAS - Heavy Prototypes	3	2025	2	2026
Conduct DT and OT for RRDAS-Heavy	2	2026	3	2028
Complete MS C/TC STD for RRDAS-Heavy	1	2029	1	2029
Complete MS B for RRDAS-DRAS	3	2028	3	2028
Conduct DV/DT/OT for RRDAS-DRAS	4	2028	1	2031
Complete MS C for RRDAS-DRAS	3	2031	3	2031
Hardware/software Development for JPADS M-code	1	2024	3	2024
Test/integration for JPADS M-code	2	2024	4	2024
JPADS V4 hardware/software development	1	2025	2	2027
JPADS V4 conduct DT/OT	1	2026	4	2027
JPADS V4 PDR	3	2026	3	2026
JPADS V4 CDR	1	2027	1	2027
JPADS V4 Prototype Demo PNTAX 25	4	2025	4	2025
JPADS V4 Demo PNTAX 26	4	2026	4	2026
JPADS V4 Final Demo PNTAX 27	4	2027	4	2027
Long Range JPADS software and hardware development	1	2026	2	2027
Long Range JPADS test/integration	2	2026	3	2027
Long Range JPADS 2K PDR	2	2026	2	2026
Long Range JPADS 2K CDR	4	2026	4	2026

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L39 / *Field Sustainment Support Ed*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Long Range JPADS 2K OT	2	2027	3	2027
Long Range JPADS 2K TC/FMR	4	2027	4	2027
Complete Milestone B for SADE-SL	3	2025	3	2025
Contract awards for SADE-SL (Low-Cost Nets, and Low Cost Sing Sets)	3	2025	3	2025
Fabricate SADE-SL Payload Stabilization Device	3	2025	3	2025
Develop and Fabricate SADE-SL Prototypes (Low-Cost Nets, and Low Cost Sing Sets)	4	2025	2	2026
Conduct DT/OT for SADE-SL (Low-Cost Nets, and Low Cost Sing Sets)	3	2026	4	2027
Complete Milestone C for SADE-SL	1	2027	1	2027
Complete last production decision for last SADE capability	3	2028	3	2028
Long Range JPADS 10K hardware/software development	1	2028	2	2030
Long Range JPADS 10K test/integration	3	2028	4	2030
Long Range JPADS 10K PDR	4	2028	4	2028
Long Range JPADS 10K CDR	3	2029	3	2029
Long Range JPADS 10K TC/FMR	4	2030	4	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L41 / *Water And Petroleum Distribution - Ed*	

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
L41: *Water And Petroleum Distribution - Ed*	-	7.268	2.618	6.431	-	6.431	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports engineering and manufacturing development efforts as well as the Production Qualification Testing (PQT) and First Article Testing (FAT) efforts to provide all services with ample supply of clean fuel and water, supporting all types of missions. The Army has the mission to supply fuel for all land-based forces, including the Marines and the Air Force, and for supplying bulk drinking water to Soldiers. These programs enable the Army to improve maneuver sustainment operations to meet the demands of Army units and the Future Force. The mission includes receiving and transferring petroleum from trucks, ships, pipelines, and permanent and temporary storage facilities; moving petroleum from storage to and within corps and division areas; fuel quality surveillance testing; and dispensing in support of tactical operations, including rapid refueling of aircraft. This project also supports development and analysis of technologies designed to increase survivability of petroleum and water systems that may operate or be transported in hostile environments. The mission covers water purification and wastewater treatment, reutilization, storage, distribution, alternative water source acquisition, disposal, and quality control. These research and development missions support the development and enhancement of rapidly deployed Petroleum and Water equipment, which enables the Army to achieve its vision by providing a highly mobile and self-sustaining systems in hostile joint operations areas. Programs funded on this Project includes: Tactical Fuel Distribution System (TFDS), Bulk Fuel Distribution System (BFDS), Petroleum Expeditionary Analysis Kit (PEAK), Water Bison and Water Bison Light, Water Storage and Distribution System (WSDS) , 3K Tactical Water Purification System (TWPS), Early Entry Fluid Distribution System (E2FDS) and Pipeline Trace Tool - Software Development, Load Handling System (LHS) - Compatible Water Tank-rack System (HIPPO), Small Unit Water Purifier (SUWP) and Chemical Biological Radiological Nuclear (CBRN) Water Hauler.

This Project provides for the modernization of current Petroleum and Water System fleets by investigating technology insertions including, but not limited to: condition-based maintenance, Vectronics, Victory Architecture, autonomous operations and other emerging technologies. Funding also supports market research, developing and testing initial prototypes, and production representative articles to enable refinement of Operational Requirements and early user feedback to support future sustainment and operational movement operating concepts. Funding supports non-traditional and middle tier acquisitions to include Other Transaction Authority (OTA) and 804.

FY 2026 Base RDTE $6.431 million provides for Small Unit Water Purifier (SUWP), Unit Water Trailer (Bison), 3k Tactical Water Purification System (3k TWPS), Tactical Fuel Distribution System (TFDS), and Chemical Biological Radiation Nuclear (CBRN) Water Hauler developmental testing and program support. The 3k TWPS program will achieve Milestone 'C' (MS C) in FY 2025, award Low-Rate Initial Production (LRIP) hardware and start Production Qualification Testing (PQT) in FY 2026. Bison achieved MS C and awarded LRIP hardware (Dec 2024) and will start PQT in FY 2025. TFDS achieved MS C March 2025 and awarded LRIP hardware. TFDS will start PQT in FY 2025. CBRN will achieve MS C and award LRIP hardware in FY 2026 and start PQT in FY 2027.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Unit Water Trailer (Bison)	1.263	0.773	1.111	-	1.111

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Description: The Unit Water Trailer (Water Bison) is a replacement for the 400 gallon Water Buffalo. The Water Bison consists of a baffled, 500 gallon capacity tank and provides the modular force an efficient method of transporting a full day of supply (DOS) of bulk potable water. Bison is mounted on a trailer, has provisioning for freeze protection and includes all hoses and fittings necessary to dispense water by means of gravity flow. The Water Bison will be used by units at all echelons. The Family of Medium Tactical Vehicles (FMTV) shall be capable of towing this system. ***FY 2025 Plans:*** Funds Bison Production Qualification Testing (PQT) ***FY 2026 Base Plans:*** Bison - Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding increased to pay for Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing.					
Title: Petroleum Expeditionary Analysis Kit (PEAK) ***Description:*** The Petroleum Expeditionary Analysis Kit (PEAK) replaces Aviation Fuels Contamination Test Kit (AFCTK) and provides fuel quality surveillance within all Brigade Combat Teams and Support Brigades. It is a stand-alone system that will rapidly verify petroleum products' suitability for use at point of consumption. The PEAK will evaluate all kerosene-based and diesel fuels used in ground systems and aircraft. It will provide the field with the capability to determine fuel type, grade, and additives.	1.138	-	-	-	-
Title: Tactical Fuel Distribution System (TFDS) ***Description:*** The Tactical Fuel Distribution System (TFDS) provides theater bulk petroleum distribution to maximize throughput in order to support early entry, buildup, and onward movement of forces. It replaces the M967 and M969 tanker trailers, which are nearing the end of its useful life. The TFDS consists of a 5,000 gallon armor kit compatible line haul tanker trailer, pulled primarily by the M1088 tractor. It shall be capable of retail fuel distribution and able to travel on unimproved roads and provides support from the Theater Army to Echelons Above Brigade (EAB). ***FY 2025 Plans:***	1.443	1.142	1.885	-	1.885

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
TFDS - Production Qualification Testing (PQT), Add-on-Armor Ballistics Testing and travel ***FY 2026 Base Plans:*** TFDS - Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase from FY 2025 to FY 2026 reflects Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing for the Tactical Fuel Distribution System.					
Title: Modular Fuel System (MFS) Tank Rack Module (TRM) - M107 40gpm Pump Modification Kit ***Description:*** The Modular Fuel System (MFS), Tank Rack Module (TRM) is a 2,500 gallon mobile storage and distribution platform. It is configured in a 20 foot ISO frame and is capable of being transported by a Heavy Expanded Mobility Tactical Truck-Load Handling System (HEMTT-LHS) and the Palletized Load Handling System (PLS). The MFS TRM has a Stand-Alone Retail Capability, utilizing its integrated continuous use electric pump, filter separator and flow meter. It can be operate mounted on the prime mover or trailer or on the ground. There are currently two fielded variants of the TRM (M107 & M107A1). The M107 TRM has a 20 GPM fuel pump as compared to the 40 GPM pump on the M107A1. Modification effort will install the M107A1 pump (and correlating Filter Separator) into the M107 with result in a 100% faster pumping time.	0.683	-	-	-	-
Title: 3k Tactical Water Purification Sys. (3k TWPS) ***Description:*** The 3k TWPS replaces the 3,000 Gallons per Hour Reverse Osmosis Water Purification Unit (3k ROWPU). The 3k TWPS will be the primary bulk water purification capability supporting Echelons Above Brigade (EAB) and will be the primary water purification capability for tactical laundry and shower facilities. The 3k TWPS is a complete water purification system consisting of feed water pumps, hoses, media & cartridge filters, high pressure pump, reverse osmosis elements, 3,000 gallon/hour water storage & distribution system. It will be configured within an ISO container and mounted on a trailer towable by a M1088 truck. The system retains the capability to produce potable water from all surface and ground sources Including CBRN-contaminated water. ***FY 2025 Plans:*** 3k TWPS will achieve Milestone "C" decision and LRIP contract award. RDTE Funding provided for DEVCOM Engineering and Design. ***FY 2026 Base Plans:***	1.029	0.703	1.939	-	1.939

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
3K TWPS - Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding increased to pay for Production Qualification Testing (PQT), User Jury / Maintenance Demo, Transport Testing, SEPM and test travel.					
Title: Chemical Biological Radiological Nuclear (CBRN) Water Hauler ***Description:*** The Chemical Biological Radiological Nuclear (CBRN) Water Hauler consists of an 800-gallon capacity tank with integral freeze protection, mounted on the MTV 5 Ton Truck. Decontamination operations require bulk non-potable water in support of the Joint Force per ATP 3-11.32 of up to 450 gallons per vehicle. Decontamination capabilities are critical in Multi-Domain Operations (MDO) because the enemy will utilize multiple layers of Anti-Access and Area Denial (A2AD) capabilities to include CBRN threats to delay and to impose high cost to obstruct strategic objectives. ***FY 2026 Base Plans:*** CBRN - Production Qualification Testing (PQT), User Jury / Maintenance Demo and Transport Testing. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding increased to pay for Production Qualification Testing (PQT), User Jury / Maintenance Demo, Transport Testing, SEPM and test travel.	0.501	-	1.496	-	1.496
Title: Load Handling System (LHS) Compatible Water Tank Rack System (HIPPO) ***Description:*** Load Handling System (LHS) - Compatible Water Tank Rack System (HIPPO) replaces the Forward Area Water Point Supply system (FAWPSS) and Semi-Trailer Mounted Fabric Tank (SMFT). It provides capability to receive, store, transport, and distribute bulk and unit retail water to the warfighter. The HIPPO consists of a 2,000 gallon potable water tank in a 20' ISO frame with integrated pump, engine, alternator, hose reel, freeze prevention, and fill stand. The HIPPO is critical for sustaining the soldier and accomplishing combat service support missions at all echelons. Legacy water distribution systems do not provide the mobility required to achieve unit distribution goals for the current and objective force.	0.777	-	-	-	-
Title: Water Storage Distribution System (WSDS) ***Description:*** The Water Storage Distribution System (WSDS) replaces the legacy 40k WSDS and provides the large capacity capability that is tailorable in receiving, storing, and issuing bulk water to all water systems in the Army inventory. The WSDS is the Army's primary large potable water bag farm storage. The WSDS can	0.434	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
be set up to enable split operations and multiple configurations. The WSDS is comprised of collapsible storage tanks, engine driven centrifugal water pumps, meters, hoses, fittings and nozzles. The system also has hypo-chlorination units that automatically chlorinate water to Army standards.					
Accomplishments/Planned Programs Subtotals	7.268	2.618	6.431	-	6.431

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
• MA6000: *Distribution Systems, Petroleum & Water*	41.739	44.602	96.020	-	96.020	-	-	-	-	-	-
• D02001: *Semitrailers, tankers*	35.736	-	-	-	-	-	-	-	-	-	-
• MA4502: *INSTALLATION OF MODIFICATIONS*	3.642	8.160	5.435	-	5.435	-	-	-	-	-	-
• MB6400: *QUALITY SURVEILLANCE EQUIPMENT*	2.507	-	-	-	-	-	-	-	-	-	-
• D03900: *FAMILY OF SEMITRAILERS*	-	85.734	132.793	-	132.793	-	-	-	-	-	-

Remarks

D02001 (Semitrailers, tankers) was consolidated into D03900 (Family of Semitrailers)

TFDS Old: SSN-D02001 APE-D02315
New: SSN-D03900 APE-D01653

BFDS Old: SSN-D02001 APE-D02700
New: SSN-D03900 APE-D01654

MB6400 (Quality Surveillance Equipment) was consolidated into MA6000 (Distribution Systems, Petroleum & Water)

PEAK Old: SSN-MB6400 APE-R67550
New: SSN-MA6000 APE-R38113

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

D. Acquisition Strategy

Industry days and market research were used to inform the appropriate Acquisition Strategy for Chemical Biological Radiation Nuclear (CBRN) Water Hauler, Water Bison 500g, Tactical Fuel Distribution System (TFDS), and 3,000 Gallons per Hour Tactical Water Purification System (3K TWPS).

Programs conducting developmental and operational testing where applicable are Petroleum Expeditionary Analysis Kit (PEAK), Chemical Biological Radiation Nuclear (CBRN) Water Hauler, Water Bison 500g, Tactical Fuel Distribution System (TFDS), 3,000 Gallons per Hour Tactical Water Purification System (3K TWPS). Programs will conduct Source Selection Evaluation Boards (SSEBs) within the Petroleum and Water Systems portfolio and develop documentation in support of Milestone Decisions prior to contract awards. Other Transactional Agreements (OTAs) or traditional Federal Acquisition Regulation (FAR) based contracts will be utilized based on evaluated program risks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L41 / *Water And Petroleum Distribution - Ed*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PM Matrix Spt / GVSC Engineering Spt	MIPR	Various TACOM : Warren, MI	-	4.939	Jan 2024	0.100	Nov 2025	1.265	Nov 2025	-		1.265	0.000	6.304	-
		Subtotal	-	4.939		0.100		1.265		-		1.265	0.000	6.304	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MFS TRMr - 40gpm Mod - GVS OTA Eng Data	Option/ FFP	ATAP Inc. : Eastaboga, AL 36260	-	0.081	Sep 2024	-		-		-		-	0.000	0.081	-
3k TWPS - DEVCOM - Production Eng/Design	MIPR	DEVCOM - EDGEWOOD CHEM BIO CENTER : ABERDEEN PROVING GD, MD 21010-5424	-	0.004	May 2025	0.500	Feb 2025	-		-		-	0.000	0.504	-
		Subtotal	-	0.085		0.500		-		-		-	0.000	0.585	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TFDS - Production Qualification / HSL / Transport	MIPR	Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	-		0.887	Jun 2025	1.490	Nov 2025	-		1.490	0.000	2.377	-
TFDS - Production Qualification - Contractor Spt	SS/FFP	HEIL TRAILER INTERNATIONAL, LLC : Aberdeen Proving Ground, MD	-	0.308	Mar 2025	0.328	Mar 2025	-		-		-	0.000	0.636	-
TFDS - Ballistics Test	MIPR	Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	0.194	May 2025	-		-		-		-	0.000	0.194	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L41 / *Water And Petroleum Distribution - Ed*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PEAK - Production Qualification Testing / Cust. Test (LUT)	C/CPFF	Southwest Research Institute - SWRI : San Antonio, TX	-	0.760	Jul 2024	-		-		-		-	0.000	0.760	-
Bison - Production Qualification Testing	MIPR	Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	0.336	Dec 2024	0.620	Apr 2025	0.931	Nov 2025	-		0.931	0.000	1.887	-
CBRN - Production Qualification Testing (PQT)	MIPR	Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	-		-		1.125	Sep 2026	-		1.125	0.000	1.125	-
3K TWPS - Production Qualification Testing	MIPR	DEVCOM - Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	-		-		1.620	Feb 2026	-		1.620	0.000	1.620	-
3K TWPS - FEA Test	MIPR	DEVCOM - Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	-		0.183	May 2025	-		-		-	0.000	0.183	-
HIPPO - Production Qualification / HSL / Transport	MIPR	Aberdeen Proving Ground : Aberdeen Proving Ground, MD	-	0.501	Apr 2024	-		-		-		-	0.000	0.501	-
WSDS - HSL Testing	MIPR	US Army CCDC Soldier Center : NATICK, MA	-	0.057	Oct 2024	-		-		-		-	0.000	0.057	-
WSDS - E3 Evaluation - HEMP, NSL and Helicopter ESD	MIPR	NAVAL AIR WARFARE CENTER AIR DIV : Patuxent River, MD 20670-1545	-	0.088		-		-		-		-	0.000	0.088	-
		Subtotal	-	2.244		2.018		5.166		-		5.166	0.000	9.428	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	-	7.268		2.618		6.431		-		6.431	0.000	16.317	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L41 / *Water And Petroleum Distribution - Ed*	

	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

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

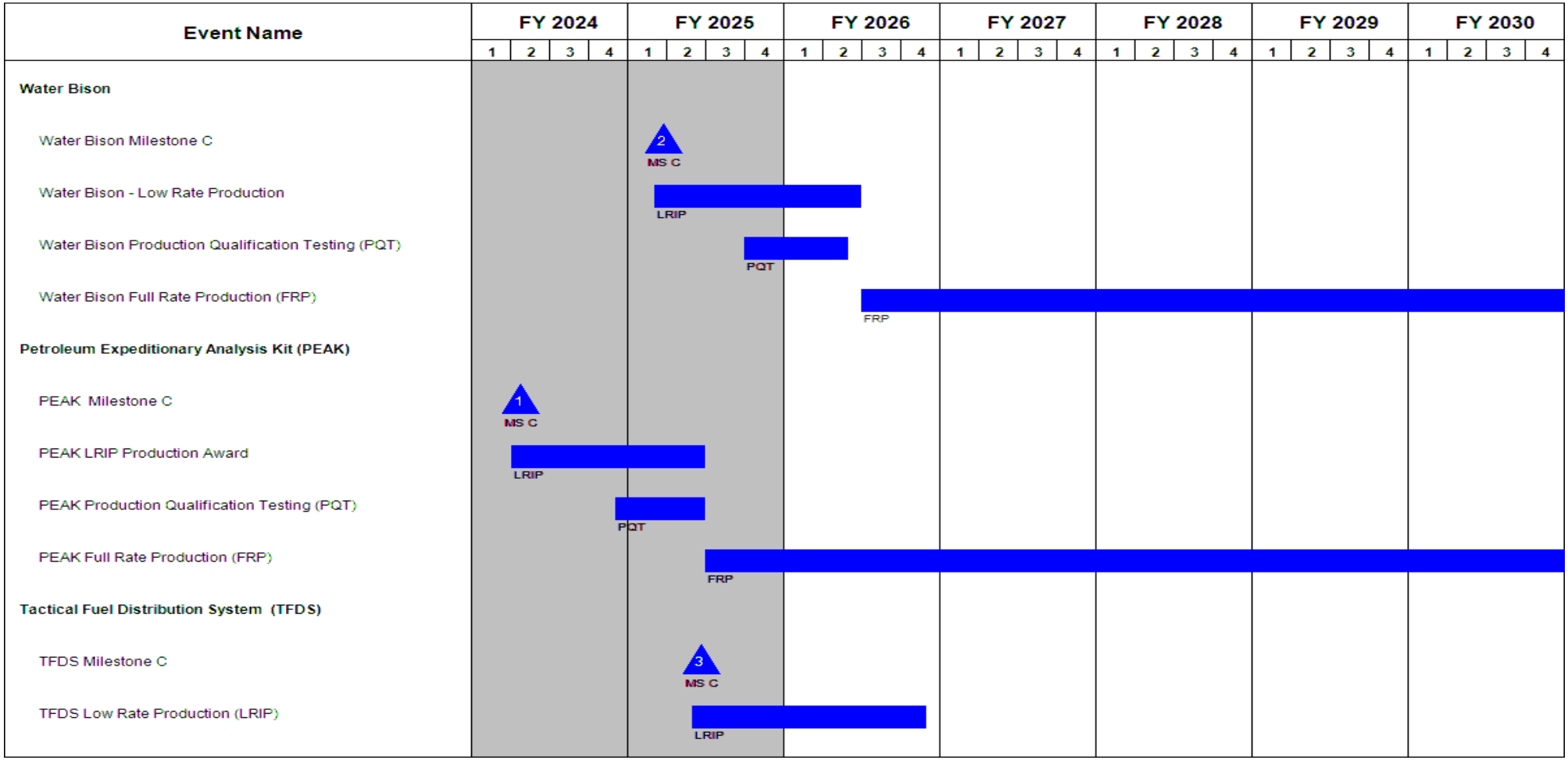


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

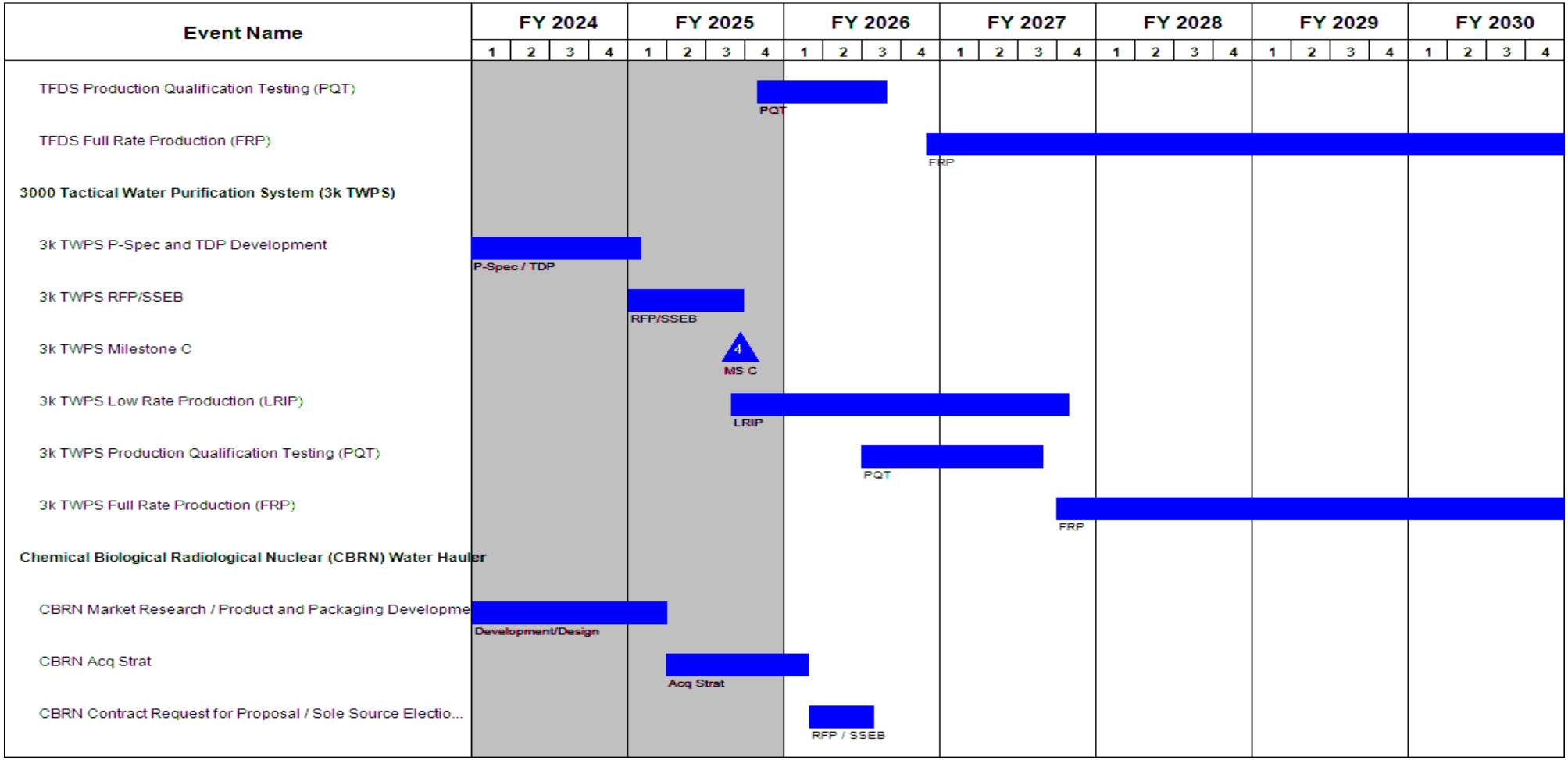
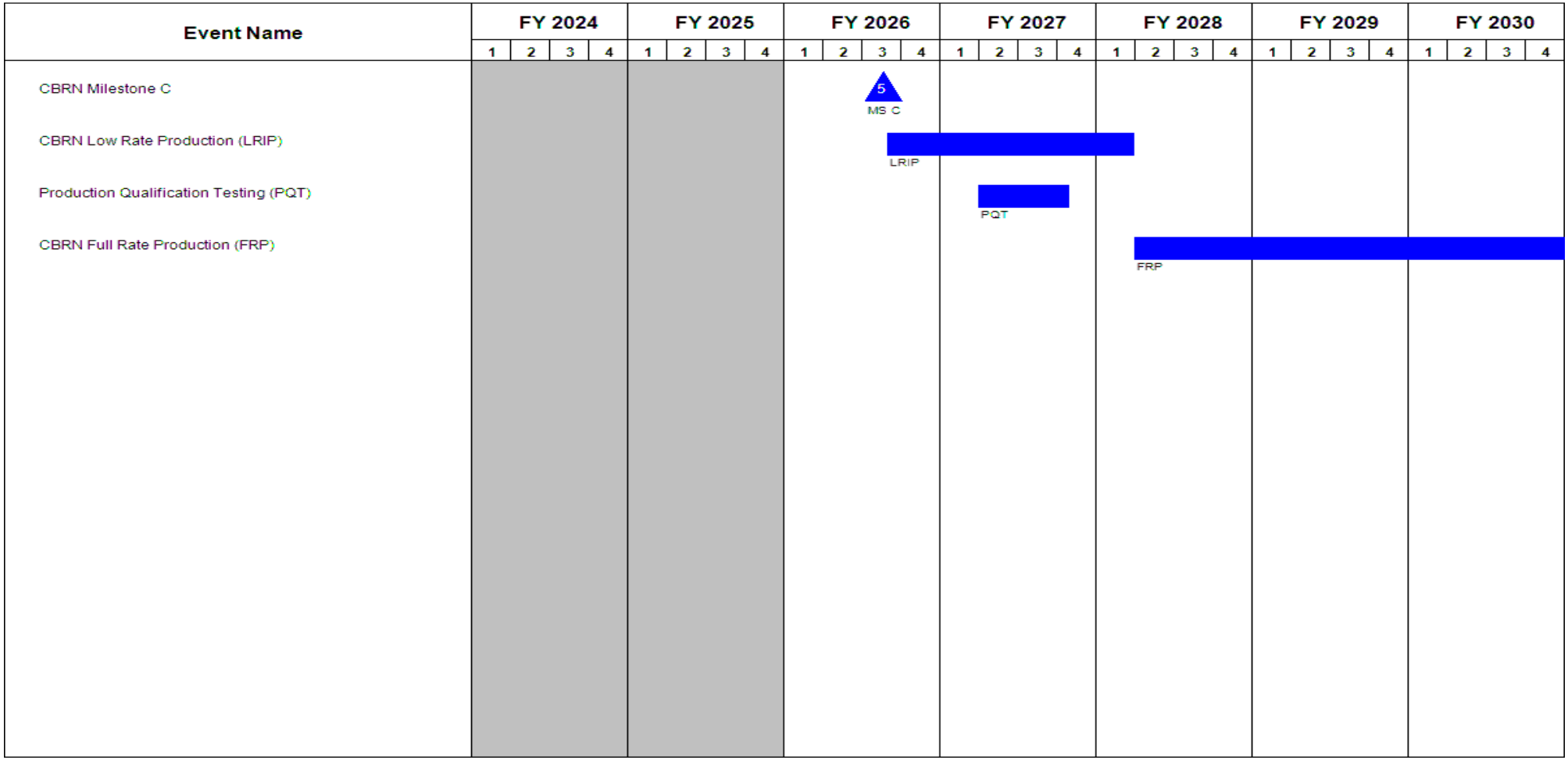


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*



Note

N/A

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Water Bison	1	2022	4	2025
Water Bison Milestone C	1	2025	1	2025
Water Bison - Low Rate Production	1	2025	2	2026
Water Bison Production Qualification Testing (PQT)	4	2025	2	2026
Water Bison Full Rate Production (FRP)	3	2026	4	2031
Petroleum Expeditionary Analysis Kit (PEAK)	2	2025	2	2025
PEAK Milestone C	2	2024	2	2024
PEAK LRIP Production Award	2	2024	2	2025
PEAK Production Qualification Testing (PQT)	4	2024	2	2025
PEAK Full Rate Production (FRP)	3	2025	2	2034
Tactical Fuel Distribution System (TFDS)	1	2020	1	2025
TFDS Milestone C	2	2025	2	2025
TFDS Low Rate Production (LRIP)	2	2025	4	2026
TFDS Production Qualification Testing (PQT)	4	2025	3	2026
TFDS Full Rate Production (FRP)	4	2026	3	2035
3000 Tactical Water Purification System (3k TWPS)	1	2023	2	2030
3k TWPS P-Spec and TDP Development	2	2023	1	2025
3k TWPS RFP/SSEB	1	2025	3	2025
3k TWPS Milestone C	3	2025	3	2025
3k TWPS Low Rate Production (LRIP)	3	2025	4	2027
3k TWPS Production Qualification Testing (PQT)	3	2026	3	2027
3k TWPS Full Rate Production (FRP)	4	2027	1	2038

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L41 / *Water And Petroleum Distribution - Ed*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Chemical Biological Radiological Nuclear (CBRN) Water Hauler	1	2023	2	2031
CBRN Market Research / Product and Packaging Development	1	2023	1	2025
CBRN Acq Strat	2	2025	1	2026
CBRN Contract Request for Proposal / Sole Source Election Board	1	2026	3	2026
CBRN Milestone C	3	2026	3	2026
CBRN Low Rate Production (LRIP)	3	2026	1	2028
Production Qualification Testing (PQT)	2	2027	4	2027
CBRN Full Rate Production (FRP)	2	2028	2	2032

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*				Project (Number/Name) L46 / *Maintenance Support Equipment*			
COST ($ in Millions)	**Prior Years**	**FY 2024**	**FY 2025**	**FY 2026 Base**	**FY 2026 OOC**	**FY 2026 Total**	**FY 2027**	**FY 2028**	**FY 2029**	**FY 2030**	**Cost To Complete**	**Total Cost**
L46: *Maintenance Support Equipment*	-	1.258	-	2.259	-	2.259	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mobile Maintenance Equipment provides state of the art, deployable, vehicle-mounted, Soldier portable and containerized shelter tool systems supporting the readiness of the Joint warfighter directly supporting Soldier Lethality, Next Generation Combat Vehicle (NGCV) and Long Range Precision Fires (LRPF), as well as, addressing GAPs 10 and 17. These systems are equipped with industrial quality tools required for Two Level Maintenance that reduce common tool redundancy, provide tool standardization, minimize transportation requirements, reduce logistical footprint, and are backed by a Lifetime Warranty/Replacement Program which reduces sustainment costs. This is accomplished by employing a system of systems approach to maintenance acquisition. The System of Systems approach builds a maintenance capability upon each system, allowing a logical and natural approach to the Army's overall two level maintenance strategy. These inter-connected systems distributed throughout the Army at multiple levels and echelons provide a holistic repair capability in all scenarios and environments. These systems provide the Maintenance and Combat Commanders an unprecedented capability to repair wheeled, tracked, aviation, ground support and weapons systems on site at one location at one time. This approach to maintenance acquisition increases efficiencies and supports the current force while providing modular configurations designed to meet the specific needs of the Army maintainer in today's complex transforming environment.

The need to develop and maintain a System of System maintenance approach is critical for maintaining readiness due to the growing complexity of today's military equipment, operational tempo, modularity, and current and evolving Tactics Techniques and Procedures (TTPs). The individual maintenance systems are comprehensive, interconnected and capable of solving and repairing any maintenance problems. The System of Systems approach does not advocate specific tools, methods or practices; instead it seeks to promote a streamlined comprehensive set of systems for solving maintenance challenges where the interactions of doctrine, technology, time and tactics techniques and procedures are the primary drivers. Funding for projects shall include test article procurement and testing of Soldier portable maintenance Sets, Kits, and Outfits (SKOs), load banks and refrigeration tool kit; investigation of new technologies for next generation mobile maintenance equipment shop sets including the Shop Equipment Welding (SEW) and Shop Equipment Contact Maintenance (SECM); development of additional Standard Automotive Tool Set (SATS) maintenance modules, Armament Repair Shop Set (ARSS), Refrigeration Tool Kit (RTK), Mobile Ammunition Processing Facility (MAPF), Forward Repair System (FRS), Special Tools initiatives, shelter mounted system development; packaging development; and technical support for emerging Joint Capabilities Integration and Development System (JCIDS) materiel requirements documents. Additive Manufacturing increased capabilities to the Metal Working and Machining Shop Set (MWMSS) to include a polymer and metal printing and associated digital library capability. Modernization upgrades increase effectiveness while improving efficiency, reliability and maintainability while supporting emerging Army systems as well as using lower cost set components.

Funding supports modernization of the current Ordnance equipment by investigating technology insertions due to but not limited to obsolescence and technology innovations. Funding also supports developing initial prototypes to enable refinement of Operational Requirements and early user feedback to support future sustainment and operational movement concepts.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L46 / *Maintenance Support Equipment*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: MWMSS Additive Manufacturing ***Description:*** Develop Additive Manufacturing capability for Army systems, Limited User Experiment and Evaluation.	0.125	-	-	-	-
Title: Forward Repair System ***Description:*** RDT&E efforts for the FRS are complete and program is in production.	1.098	-	-	-	-
Title: Standard Automotive Tool Set (SATS) ***FY 2026 Base Plans:*** Funds development for the Technical Data Package, test asset build, test activities, and logistics updates in support of the SATS. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase in FY 2026 from FY 2025 due to continuation of efforts within Logistics and Engineer Equipment - Eng Dev for Standard Automotive Tool Set in support of PRS development, TDP updates, test build, test activities, and logistics development.	0.035	-	2.259	-	2.259
Accomplishments/Planned Programs Subtotals	1.258	-	2.259	-	2.259

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
• G05301: *Mobile Maintenance Equipment Systems*	137.287	126.271	63.311	-	63.311	-	-	-	-	-	-
• D16400: *FORWARD REPAIR SYSTEM (FRS)*	8.140	12.573	32.001	-	32.001	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Programs will progress through market research, market samples, Description for Purchase, development, production representative systems and testing. Modernization and Optimization of existing tools and testing of market samples will progress from Engineering and Manufacturing Development (EMD) and transition into production. All efforts will support the two level maintenance concept utilizing commercial technologies and incorporating them into SKOs to support next generation weapon and support systems.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L46 / *Maintenance Support Equipment*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Additive Manufacturing Hardware	Various	TBD : TBD	1.098	0.025	Jan 2024	-		-		-		-	0.000	1.123	-
Forward Repair System Development / Prototype	MIPR	CCDC : Rock Island, IL	1.475	0.848	May 2024	-		-		-		-	0.000	2.323	-
Standard Automotive Tool Set (SATS) Development / Prototype	Various	TBD : TBD	-	-		-		1.994	Dec 2025	-		1.994	0.000	1.994	-
		Subtotal	2.573	0.873		-		1.994		-		1.994	0.000	5.440	N/A

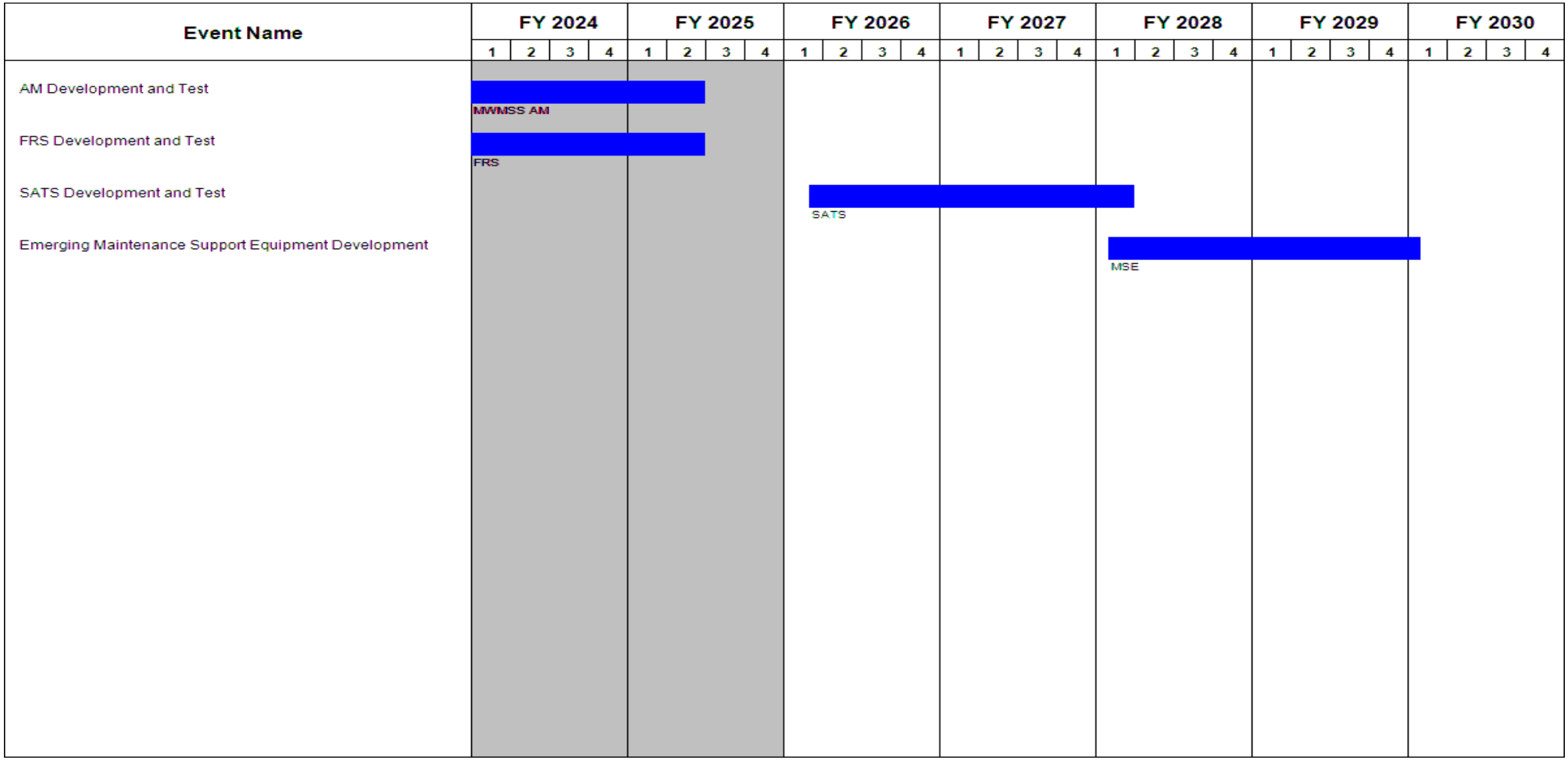
Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Additive Manufacturing Testing	MIPR	ATEC : Aberdeen Test Center	-	0.100	May 2024	-		-		-		-	0.000	0.100	-
Forward Repair System Testing	MIPR	ATEC : Aberdeen Test Center	-	0.250	May 2024	-		-		-		-	0.000	0.250	-
Standard Automotive Tool Set (SATS) Testing	MIPR	TBD : TBD	-	0.035		-		0.265	Jan 2026	-		0.265	0.000	0.300	-
		Subtotal	-	0.385		-		0.265		-		0.265	0.000	0.650	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2.573	1.258		-		2.259		-		2.259	0.000	6.090	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L46 / *Maintenance Support Equipment*



Note

N/A

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L46 / *Maintenance Support Equipment*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
AM Development and Test	3	2016	2	2025
FRS Development and Test	2	2023	2	2025
SATS Development and Test	1	2026	1	2028
Emerging Maintenance Support Equipment Development	1	2028	1	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L47 / *Improved Environmental Control Units Ed*	

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
L47: *Improved Environmental Control Units Ed*	-	1.062	1.171	1.162	-	1.162	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This line supports the Army Network Modernization Strategy Line of Effort #4 (Command Post). Program develops/integrates Improved Environmental Control Units (IECUs) supporting existing and new requirements including the Command Post Integrated Infrastructure (CPI2), the Army Standard Family of Rigid Wall Shelters (ASFRWS) and other applications. In addition, it supports the development of critical Chemical Biological Radiological and Nuclear (CBRN) modifications required to support the Chemically Protected Deployable Medical System and other systems requiring this capability.

The IECUs will provide improved cooling, heating and dehumidification to Soldiers and critical equipment systems in combat, combat support, combat service support units, and field hospitals. The IECUs are required to replace the currently fielded ECUs in order to comply with statutory and regulatory mandates on the use of Class II ODCs (such as HCFC-22) and address increasing restrictions on high GWP chemicals. Technical improvements over existing ECUs will yield fuel and weight savings, reduction in scheduled maintenance and increased reliability. Funding also provides applications engineering support to integration development for shelter/trailer platforms to assist users
and help further standardize cooling units in the field. Funding also supports developing initial prototypes to enable refinement of operational requirements and technology refreshment, and design improvements to address issues and support future sustainment. Expansion of product variants will further accommodate replacement of aging legacy ECUs.

FY26 funding in the amount of $1.162M supports the continuation of developing solution for implementation into platform integrated systems.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Improved Environmental Control Units (IECU)	1.062	1.171	1.162	-	1.162
Description: Development and integration of Improved Environmental Control Units (IECU) in the range of 9-60K BTU/Hr to support the phase out of R-410A refrigerant and support IECU platform integration into end-user systems.					
FY 2025 Plans: Begin developing solution for implementation into platform integrated systems. Continue with developmental testing to increase the capacity of the 9K IECU. Utilize findings from long-term refrigerant studies to begin conducting tests on a far-term refrigerant replacement for R410-A. Conduct flammability testing on potential near					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L47 / *Improved Environmental Control Units Ed*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
and far term refrigerant solutions identified as replacements for R-410A. Determine if the refrigerant solution for the 9-18-36K IECU is viable for the 60K variant. ***FY 2026 Base Plans:*** Continue developing solution for implementation into platform integrated systems. Continue with developmental testing to increase the capacity of the 9K IECU. Utilize findings from long-term refrigerant studies to begin conducting tests on a far-term refrigerant replacement for R410-A. Determine if the refrigerant solution for the 9-18-36K IECU is viable for the 60K variant. Begin developing cool on the move technology and CBRNE compliance capability. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY26 decrease reflects the continuing development and testing efforts.					
Accomplishments/Planned Programs Subtotals	1.062	1.171	1.162	-	1.162

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
• MF9303: *IMPROVED ENVIRONMENTAL CONTROL UNITS*	7.170	14.355	14.288	-	14.288	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Support modernization and technology insertions required to adapt ECUs for future integrated system heating and cooling applications in support of existing and new requirements including the Command Post Integrated Infrastructure (CPI2) and chemically protected deployable medical system. Evaluate requirements versus existing IECU fleet and develop/test initial prototypes of new or modified ECUs to meet integrated system heating and cooling parameters. This effort will support the development of Purchase Descriptions (PDs) and Technical Data Packages (TDPs) for eventual competitive procurement.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L47 / *Improved Environmental Control Units Ed*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
9,18,36,60K Improved Environmental Control Unit (IECU)	Various	PM E2S2 : various	2.240	0.315	Dec 2023	-		0.291	Dec 2025	-		0.291	0.000	2.846	Continuing
		Subtotal	2.240	0.315		-		0.291		-		0.291	0.000	2.846	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
9,18,36,60K Improved Environmental Control Unit (IECU)	MIPR	NSSC : Natick, MA	4.562	0.607	Mar 2024	0.300	Mar 2025	0.300	Mar 2026	-		0.300	0.000	5.769	Continuing
		Subtotal	4.562	0.607		0.300		0.300		-		0.300	0.000	5.769	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
9,18,36,60K Improved Environmental Control Unit (IECU)	MIPR	CERDEC : Ft. Belvoir, VA	4.179	0.040	Dec 2023	0.021	Dec 2024	0.021	Dec 2025	-		0.021	0.000	4.261	-
		Subtotal	4.179	0.040		0.021		0.021		-		0.021	0.000	4.261	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
9,18,36,60K Improved Environmental Control Unit (IECU)	MIPR	ETL : Dallas, TX	1.328	0.100	Feb 2024	0.850	Feb 2025	0.550	Feb 2026	-		0.550	0.000	2.828	-
		Subtotal	1.328	0.100		0.850		0.550		-		0.550	0.000	2.828	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) L47 / *Improved Environmental Control Units Ed*	

	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	12.309	1.062		1.171		1.162		-		1.162	0.000	15.704	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L47 / *Improved Environmental Control Units Ed*

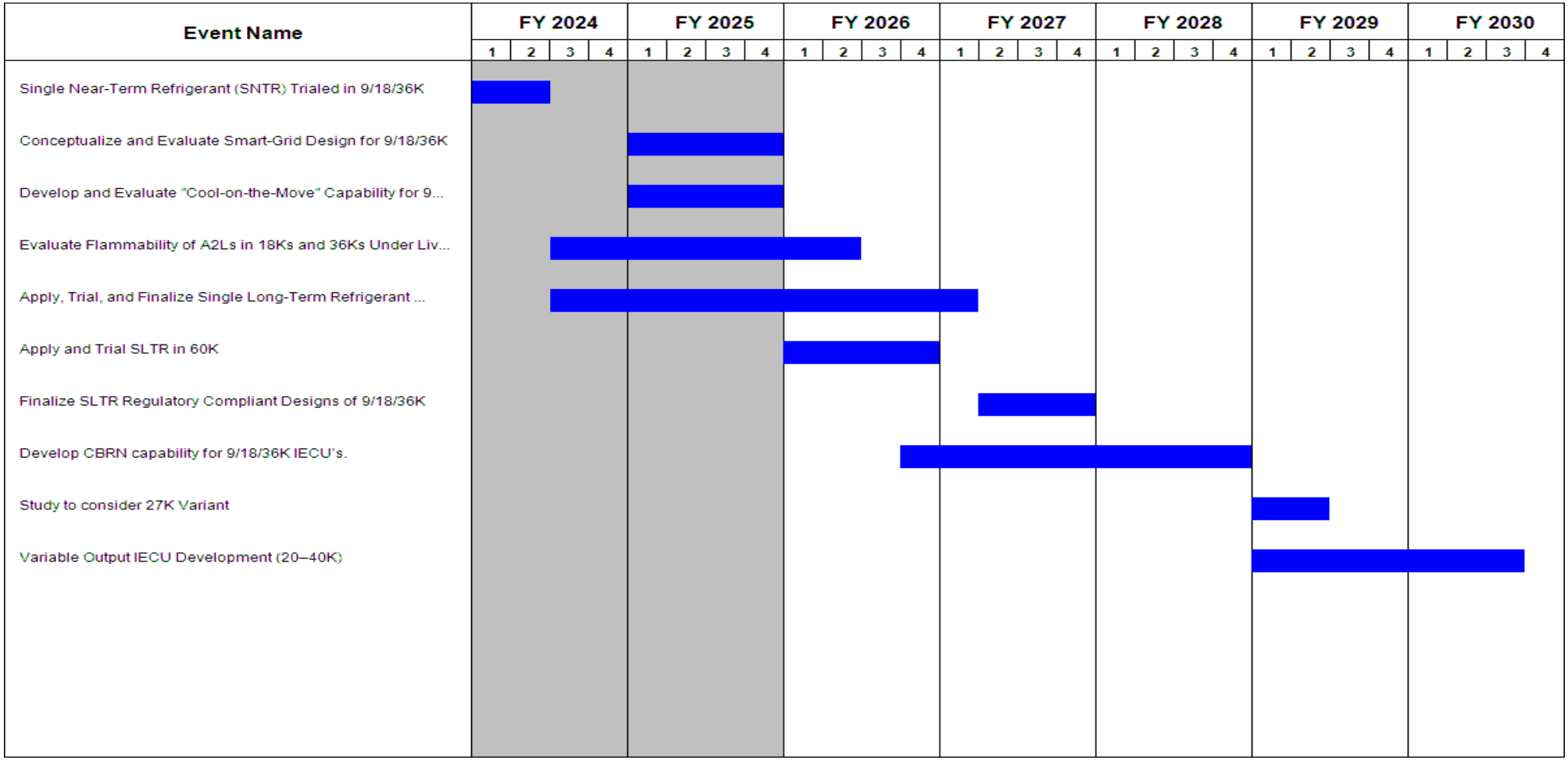


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** L47 / *Improved Environmental Control Units Ed*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Single Near-Term Refrigerant (SNTR) Trialed in 9/18/36K	1	2024	2	2024
Conceptualize and Evaluate Smart-Grid Design for 9/18/36K	1	2025	4	2025
Develop and Evaluate "Cool-on-the-Move" Capability for 9/18/36K	1	2025	4	2025
Evaluate Flammability of A2Ls in 18Ks and 36Ks Under Live Fire	3	2024	2	2026
Apply, Trial, and Finalize Single Long-Term Refrigerant (SLTR) in 9/18/36K	3	2024	1	2027
Apply and Trial SLTR in 60K	1	2026	4	2026
Finalize SLTR Regulatory Compliant Designs of 9/18/36K	2	2027	4	2027
Develop CBRN capability for 9/18/36K IECU's.	4	2026	4	2028
Study to consider 27K Variant	1	2029	2	2029
Variable Output IECU Development (20-40K)	1	2029	3	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) VR7 / *Combat Service Support Systems*	

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
VR7: *Combat Service Support Systems*	-	19.439	2.261	1.171	-	1.171	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports Engineering and Manufacturing Development (EMD) of critical soldier support and sustainment systems that provide more endurance and agility to combat operations, enabling success of Army Expeditionary Forces in future multi-domain scenarios. Project includes highly mobile shelter systems (rigid and soft wall), expeditionary base camp subsystems, field service systems, mortuary affairs equipment, field heaters, and other combat service support equipment. These systems will fill identified theater capability gaps, improve safety, improve unit sustainability, improve resource and energy efficiency; address environmental impacts, and increase combat effectiveness. This project supports Engineering and Manufacturing Development (EMD), Prototyping, and testing of critical tactical support systems that allow mobile Joint Service command and control, as well as medical, force projection, and maintenance platforms. This project develops critical enablers that support a number of strategic initiatives, including the Army Campaign Plan, the Army Modernization Strategy, and the Army Arctic Strategy. This project ensures Army Expeditionary Forces are capable of rapid deployment while reducing sustainment requirements, related Combat Support/Combat Service Support (CS/CSS) demands in lift, combat zone footprint, and costs for logistical support. Specifically, shelters developed under these efforts will be better insulated, thus reducing environmental control requirements, energy demand, and fuel usage. Therefore, they will reduce the Army's logistics and carbon footprint and lengthen the resupply interval in contested, support-constrained environments. Additionally, better insulated shelter systems allow for operational viability in extreme environments such as the Arctic.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Army Standard Family of Rigid Wall Shelters (ASF-RWS)	1.939	2.261	1.171	-	1.171
Description: The ASF-RWS program conducts formal development to modernize and standardize three variants of Army rigid wall shelters by incorporating the latest material and manufacturing technologies. Doing so will reduce the proliferation of non-standard shelters and their associated logistics burden across the Services. The program produces approved and tested standard shelter designs to support procurements by materiel developers and Program Managers (PMs) requiring rigid wall shelters. Once developed and formally type-classified, ASF-RWS shelter procurements are customer-funded by PMs as a cost under their program(s). The ASF-RWS program is structured as three sub-programs, each focused on a shelter variant: Phase One (P1) - Expandable/Non-Expandable Variant Phase Two (P2) - Vehicle Mounted Variant Phase Three (P3) - Panelized Variant					

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** VR7 / *Combat Service Support Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2025 Plans: Complete P1 Developmental Testing (DT), continue development of the Product Support Package (PSP), and prepare for Milestone (MS) C /Type Classification (TC)/Full Material Release (FMR) activities. For ASF-RWS P3, complete Operational Assessments (OA), complete logistics development, and prepare for production decision. ***FY 2026 Base Plans:*** ASF-RWS P1:Complete Production Qualification Testing (PQT); Conduct Physical configuration Audit (PCA), Production Conduct Logistics Readiness Review (PRR) evaluations, and obtain safety certifications. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding change is consistent with the planned lifecycle of this effort.					
Accomplishments/Planned Programs Subtotals	1.939	2.261	1.171	-	1.171

	FY 2024	FY 2025
Congressional Add: Arctic Campaigning Logistics and Engineering Equipment ***FY 2024 Accomplishments:*** Acquire AMMPs generators and cold-weather water/fuel storage devices as prototype designs for use in Arctic environments. Plan, prepare, and conduct operational and qualification testing during simulated and real-time Arctic environments. Perform post-test assessments to advise future Technical Data Package (TDP) and ILS documentation updates for future procurements.	1.000	-
Congressional Add: Arctic Capable Expeditionary Shelters ***FY 2024 Accomplishments:*** Acquire FP shelter, hygiene, and kitchen system variants as prototypes for integration with Arctic environments. Plan, prepare, and conduct operational and qualification testing of during simulated and real-time Arctic environments. Perform post-test assessments to advise future Technical Data Package (TDP) and ILS documentation updates for future procurements.	4.500	-
Congressional Add: Deployable, energy efficient, rigid wall shelter ***FY 2024 Accomplishments:*** Supports ASF RWS Phase 3(P3), Extendable Panelized/Collapsible Shelters.	12.000	-
Congressional Adds Subtotals	17.500	-

C. Other Program Funding Summary ($ in Millions)

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** VR7 / *Combat Service Support Systems*

C. Other Program Funding Summary ($ in Millions)

Remarks

D. Acquisition Strategy

To support modernization and standardization to the next generation of Army Rigid Wall Shelters (RWS) by incorporating 30+ years of shelter performance technology and improved manufacturing for increased producibility and affordability. Provide more modular shelters for increased interoperability and scalability.

To support design, development, and initial integration testing of Force Provider hygiene, kitchen, and shelter components for direct application within Arctic operational environments. Transition to procurement of developed equipment upon Engineering Change Proposal approval and implementation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) VR7 / *Combat Service Support Systems*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	PM Force Sustainment Systems : Natick, MA	7.325	1.911	Aug 2024	1.261	Dec 2024	0.865	Dec 2025	-		0.865	0.000	11.362	-
		Subtotal	7.325	1.911		1.261		0.865		-		0.865	0.000	11.362	N/A

Remarks

Project Management Support category includes matrix labor support.

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Standard Family of Rigid Wall Shelters (ASF-RWS)	Various	Various : Various	12.427	10.353	Dec 2023	0.500	Nov 2024	0.019	Nov 2025	-		0.019	0.000	23.299	-
Arctic Campaigning Log and Eng Equipment	Various	Various : Various	-	0.450	Feb 2025	-		-		-		-	0.000	0.450	-
Arctic Capable Expeditionary Shelters	Various	Various : Various	-	3.575	Jan 2025	-		-		-		-	0.000	3.575	-
		Subtotal	12.427	14.378		0.500		0.019		-		0.019	0.000	27.324	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Arctic Campaigning Log and Eng Equipment	TBD	Various : Various	-	0.150	Feb 2025	-		-		-		-	0.000	0.150	-
Army Standard Family of Rigid Wall Shelters (ASF-RWS)	TBD	Various : Various	-	-		-		0.287	Dec 2025	-		0.287	0.000	0.287	-
Arctic Capable Expeditionary Shelters	TBD	Various : Various	-	0.220	Oct 2024	-		-		-		-	0.000	0.220	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	Project (Number/Name) VR7 / *Combat Service Support Systems*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	-	0.370		-		0.287		-		0.287	0.000	0.657	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Standard Family of Rigid Wall Shelters (ASF-RWS)	Various	Various : Various	2.060	1.950	Dec 2023	0.500	Dec 2024	-		-		-	0.000	4.510	-
Arctic Campaigning Log and Eng Equipment	TBD	Various : Various	-	0.350	Jun 2025	-		-		-		-	0.000	0.350	-
Arctic Capable Expeditionary Shelters	Various	Various : Various	-	0.480	May 2025	-		-		-		-	0.000	0.480	-
		Subtotal	2.060	2.780		0.500		-		-		-	0.000	5.340	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	21.812	19.439		2.261		1.171		-		1.171	0.000	44.683	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** VR7 / *Combat Service Support Systems*

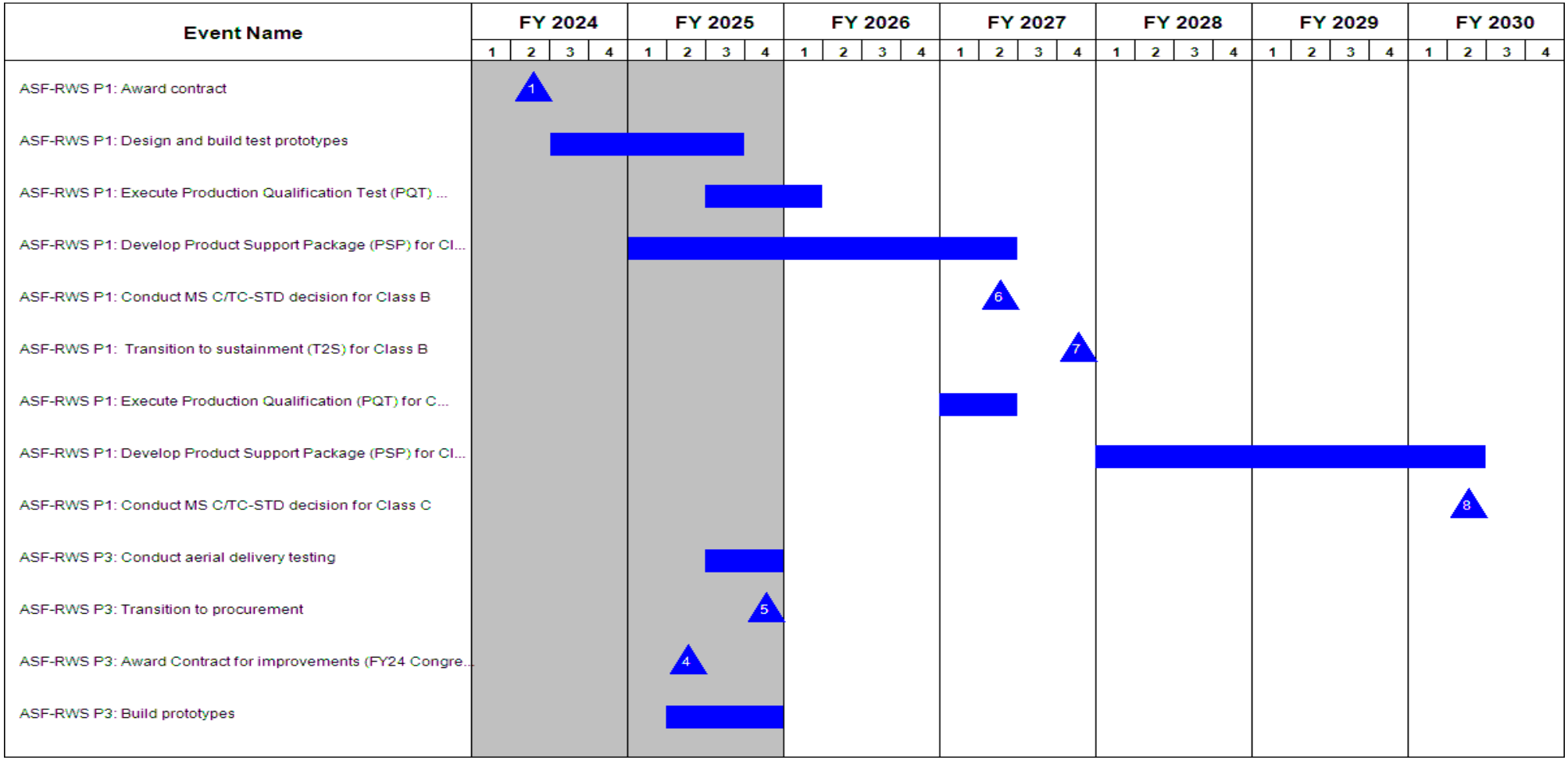


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** VR7 / *Combat Service Support Systems*

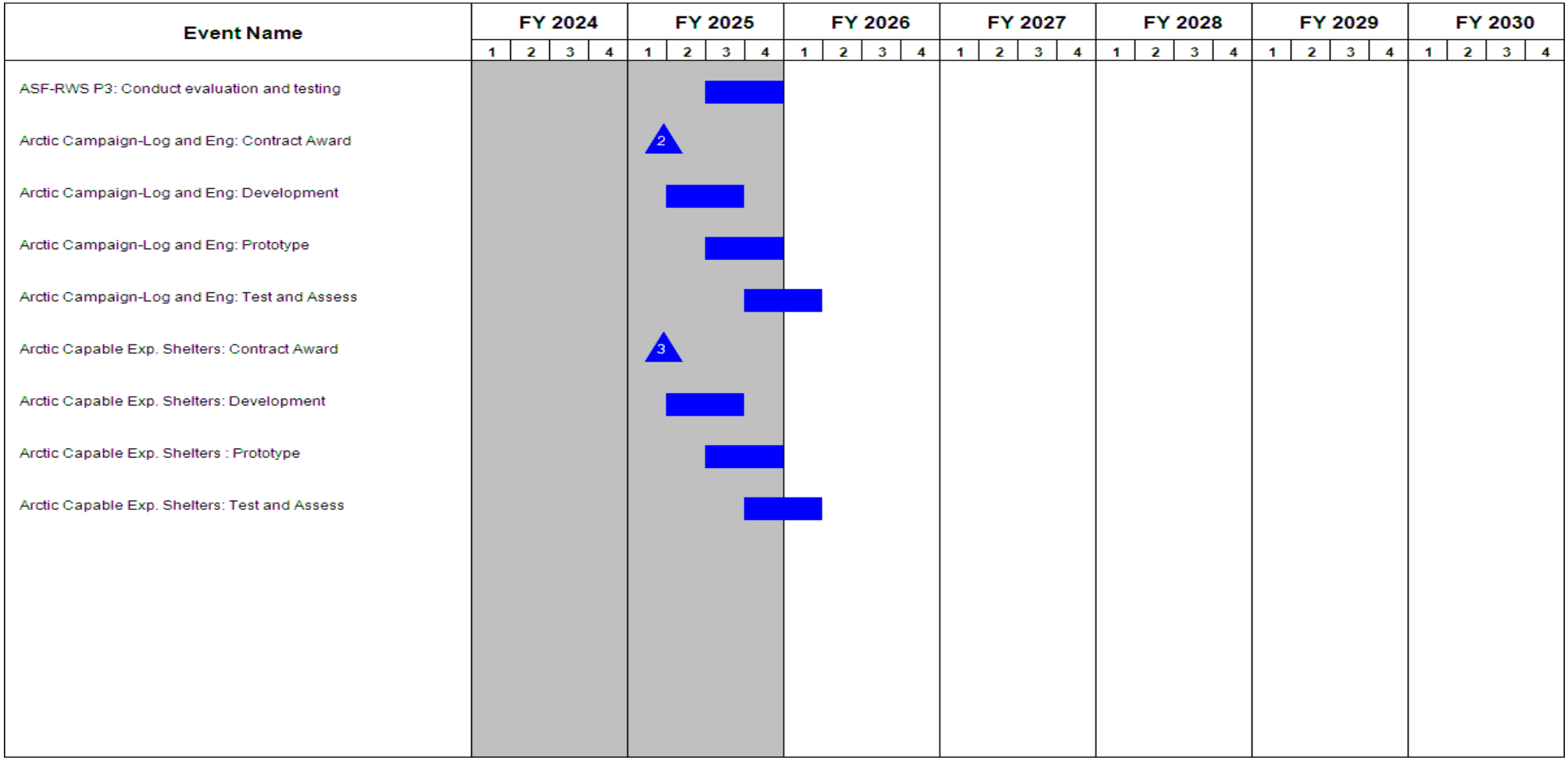


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604804A / *Logistics and Engineer Equipment - Eng Dev*	**Project (Number/Name)** VR7 / *Combat Service Support Systems*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
ASF-RWS P1: Award contract	2	2024	2	2024
ASF-RWS P1: Design and build test prototypes	3	2024	3	2025
ASF-RWS P1: Execute Production Qualification Test (PQT) for Class B Variant	3	2025	1	2026
ASF-RWS P1: Develop Product Support Package (PSP) for Class B	1	2025	2	2027
ASF-RWS P1: Conduct MS C/TC-STD decision for Class B	2	2027	2	2027
ASF-RWS P1: Transition to sustainment (T2S) for Class B	4	2027	4	2027
ASF-RWS P1: Execute Production Qualification (PQT) for Class C Variant	1	2027	2	2027
ASF-RWS P1: Develop Product Support Package (PSP) for Class C	1	2028	2	2030
ASF-RWS P1: Conduct MS C/TC-STD decision for Class C	2	2030	2	2030
ASF-RWS P3: Conduct aerial delivery testing	3	2025	4	2025
ASF-RWS P3: Transition to procurement	4	2025	4	2025
ASF-RWS P3: Award Contract for improvements (FY24 Congressional add)	2	2025	2	2025
ASF-RWS P3: Build prototypes	2	2025	4	2025
ASF-RWS P3: Conduct evaluation and testing	3	2025	4	2025
Arctic Campaign-Log and Eng: Contract Award	1	2025	1	2025
Arctic Campaign-Log and Eng: Development	2	2025	3	2025
Arctic Campaign-Log and Eng: Prototype	3	2025	4	2025
Arctic Campaign-Log and Eng: Test and Assess	4	2025	1	2026
Arctic Capable Exp. Shelters: Contract Award	1	2025	1	2025
Arctic Capable Exp. Shelters: Development	2	2025	3	2025
Arctic Capable Exp. Shelters : Prototype	3	2025	4	2025
Arctic Capable Exp. Shelters: Test and Assess	4	2025	1	2026

Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army												Date: June 2025
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng 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	-	47.965	92.300	63.725	-	63.725	-	-	-	-	-	-
593: *Joint Battle Command - Platform (JBC-P)*	-	47.965	33.114	-	-	-	-	-	-	-	-	-
DH4: *CMOSS Mounted Form Factor (CMFF) Radio Cards*	-	-	21.802	30.945	-	30.945	-	-	-	-	-	-
DH5: *CMOSS Mounted Form Factor (CMFF) Chassis*	-	-	37.384	27.415	-	27.415	-	-	-	-	-	-
DL9: *APNT Cards C5ISR Mounted Form Factor (CMFF)*	-	-	-	5.365	-	5.365	-	-	-	-	-	-

Note

Project 593: 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.

Funding in Fiscal Year 2026 was realigned from Budget Activity-4 (BA-4) Program Element (PE) 0604120A Project Code ED5 to Budget Activity-5 (BA-5) Project Code DL9 within PE 0604805A Command, Control, Communications Systems - Eng Dev. This effort continues the development of the Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) Assured Positioning, Navigation and Timing (APNT) Card.

A. Mission Description and Budget Item Justification

Project 593, Joint Battle Command - Platform (JBC-P) FY 2026 funding was realigned to PE 0604818A / Army Tactical Command & Control Hardware & Software, Projects EJ6 and EK9, in support of in support of the Army's NGC2 initiative to modernize 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. Project 593 includes the Mounted Mission Command Family of Systems (MMC FoS), including MMC-Transport (MMC-T) and MMC-Software (MMC-S).

The MMC-T program provides next-generation transceivers, encryption devices, and satellite communication waveforms (which are hosted in the transceiver). MMC-T provides a significant improvement over the existing BFT-2 capability by enabling smart routing across multiple network paths (Geosynchronous Equatorial Orbit (GEO), Low-Earth Orbit (LEO), and Line of Sight (LoS)) to mitigate risks posed by denied environments or signal jamming. New encryption devices provide protections against electronic warfare (EW) and cyber-attacks.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604805A *I Command, Control, Communications Systems - Eng Dev*

The MMC-S program replaces JBC-P software on vehicles and in command posts by providing next generation C2/SA software that offers simplicity, intuitiveness, and enhanced capabilities over the legacy software. MMC-S utilizes the Tactical Assault Kit (TAK), a government-owned application, to enable convergence of Warfighting Functions and utilizes an agile Continuous Integration/Continuous Delivery (CI/CD) approach for software development.

Project DH4, Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) delivers Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radio Heads (DRH) and Victory Audio Adapter (VAX) required by the CMOSS Mounted Form Factor (CMFF) Abbreviated Capability Development Document (A-CDD) for the Ground and Aviation's tactical communication requirements. CMFF provides simultaneous transmission and reception of multiple waveforms across multiple channels in a single or multiple SDR card(s) integrated in the CMFF chassis with NSA certifiable CSS and interoperable with the Digital Radio Head. CMFF will introduce a Blocking Strategy roadmap. Block 1 starts with TSM and future blocks will build upon Block 1; Block 2 includes but is not limited to Single Channel Ground and Airborne Radio System (SINCGARS), Air Traffic Control (ATC), Warrior Robust Enhanced Network (WREN), initial Cryptographic Subsystem Card (CSS), Digital Radio Head (DRH), Victory Audio Adapter (VAX) and future advanced networking waveforms; Block 3 includes but is not limited to Mobile User Objective System (MUOS), Link-16, Second generation Anti-jam Tactical UHF Radio for NATO (SATURN), Demand Assigned Multiple Access (DAMA) and final CSS and DRH, and future advanced networking waveforms.

Project DH5, CMFF Chassis funds Mounted Common Infrastructure (MCI) Chassis development, integration of capability cards into the chassis, testing and integration of the system solution into target platforms. CMOSS is a defined suite of open architecture and Army standards that facilitate the reduction of system size, weight, and power-cooling (SWaP-C) and ensure commonality across multiple platforms. Sharing of hardware and software components is enabled within the MCI Chassis. CMFF will help move the implementation of C5ISR/Electronic Warfare (EW)) capabilities away from costly and complex separate "stove-piped boxes" on individual platforms. The use of open standards will make it simpler and more cost-effective to upgrade capabilities or keep pace with commercial technology by eliminating complex integration challenges, lack of competition, and proprietary interfaces. The CMFF capability can only be realized when paired with the development of associated capability cards for integration into the chassis and peripheral enabling devices, such as antennae and appropriate user interfaces. Other programs are responsible for funding and developing the capability cards and peripheral devices; the CMFF MCI Chassis program is responsible for chassis development, system of system integration of the capability cards and external resources into the chassis and platform integration.

Project DL9, the Assured Positioning, Navigation and Timing (APNT) project funds the development of CMFF APNT Card. The CMFF APNT Card provides the APNT solutions required by the CMFF A-CDD and distributes APNT data to capability cards within the CMFF chassis and external systems as needed. The CMFF APNT card provides trusted PNT by utilizing multiple PNT sources and leveraging open architectures. The CMFF APNT Card prototyping, and software development will be conducted in accordance with Modular Open Systems Approach (MOSA) (Reference House Report 116-442, 2020). The CMFF APNT Card complies with the PNT Reference Architecture and MOSA compliant hardware; CMOSS and software frameworks (PNT Operating System (pntOS)), to ensure a plug and play capability.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604805A *I Command, Control, Communications Systems - Eng Dev*

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	34.214	92.300	41.776	-	41.776
Current President's Budget	47.965	92.300	63.725	-	63.725
Total Adjustments	13.751	0.000	21.949	-	21.949
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	15.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.249	-			
• Adjustments to Budget Years	-	-	21.949	-	21.949

Change Summary Explanation

FY 2026 budget year increase for Project DH4 CMOSS Mounted Form Factor (CMFF) Radio Cards ($30.947 million), Project DH5 CMFF Chassis ($18.842 million) and Project DL9 APNT Cards CMFF ($5.365 million). Efforts continue development of the CMFF chassis and cards, streamlining adoption of C5ISR Modular Open System Approach compliant capabilities, simplifying the process of replacing, upgrading, or modernizing capabilities.

FY 2026 budget year decrease for Project 593 JOINT BATTLE COMMAND-PLATFORM ($33.114 million). 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. 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.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) 593 / *Joint Battle Command - Platform (JBC-P)*	

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
593: *Joint Battle Command - Platform (JBC-P)*	-	47.965	33.114	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project 593 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 eliminate stove-piping, reduce duplication of effort, and provide capability within a single NGC2 core architecture.

A. Mission Description and Budget Item Justification

Project 593 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.

Project 593 includes the Mounted Mission Command (MMC) Family of Systems (FoS), including both the MMC Transport (MMC-T) and Software (MMC-S) programs.

The MMC programs provide the replacement for Blue Force Tracking (BFT) hardware and software capability, by employing hardened cyber/electronic warfare advancements that will improve data sharing and enhance C2 on-the move (C2OTM) functionality, resulting in more reliable communications anytime, anywhere, in all domains.

The MMC-T program provides next-generation transceivers, encryption devices, and satellite communication waveforms (which are hosted in the transceiver). MMC-T provides a significant improvement over the existing BFT-2 capability by enabling smart routing across multiple network paths (Geosynchronous Equatorial Orbit (GEO), Low-Earth Orbit (LEO), and Line of Sight (LoS)) to mitigate risks posed by denied environments or signal jamming. New encryption devices provide protections against electronic warfare (EW) and cyber-attacks.

The MMC-S program replaces JBC-P software on vehicles and in command posts by providing next generation C2/SA software that offers simplicity, intuitiveness, and enhanced capabilities over the legacy software. MMC-S utilizes the Tactical Assault Kit (TAK), a Government-owned application, to enable convergence of Warfighting Functions and utilizes an agile Continuous Integration/Continuous Delivery (CI/CD) approach for software development.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Software/Systems Engineering	35.825	22.944	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Description: Perform Software/Systems Engineering needed to develop MMC-T capabilities, applications and services, to include, but not limited to conducting engineering studies, architecture development (network and software), system analyses, technical readiness assessments, technical interchange/exchange meetings/events, development of related reports and other deliverables, software development to enhance situational awareness functions and cross-cutting data exchange services, and integration of warfighting functions (WfF) and Mission Command applications into MMC-S. ***FY 2025 Plans:*** Funds continue MMC-T software/systems engineering and completes development of the BFT-3 capability under the BFT-3 transceiver and encryption device development contracts. Efforts include the integration of the BFT modular waveform, that will enable competition by allowing third-party transceiver manufacturers to access and interoperate with the existing BFT network (including the BFT SNCC and SGS); integration of a resilient line of sight waveform on a software defined radio; and integration of the transceiver and encryption devices to each mounted platform. Funding will also support initial BFT Aviation variant development activities. Funds continue to support MMC-S software/systems engineering and development utilizing a CI/CD approach with new capability development and convergence with third-party apps and WfF apps on a quarterly cadence. Platform development will focus on supporting platform sensor interfaces. Engineering efforts will complete integration with the MMC-T encryption device. Software development will include mission planning and logistics capabilities and support for commercial off the shelf computing (tablets, laptop devices). ***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, for the Data and Application Layers.			
Title: Test, Evaluation and Integration	8.574	6.515	-
Description: Test and evaluation (T&E) efforts consist of planning and execution of required test events for MMC-T to inform fielding decisions and MMC-S to inform software materiel releases that ensure the safe delivery of capability to the Warfighter. T&E events include: Developmental Tests (DT), Field Tests (FT), Unit Experimentation events, Software Assurance Testing, Cyber Assessments, Risk Reduction events, Army Interoperability Certification (AIC), Security Control Assessment-Validation, and Initial Operational Test and Evaluation (IOT&E). ***FY 2025 Plans:***			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Funds support MMC-T T&E activities for multiple test events, as well as the transceiver and encryption device certification in support of BFT-3 development as the program moves towards a production decision, continuous risk reduction testing, and a STP in preparation for the initial operational test (IOT) in 2QFY26. Funds support MMC-S T&E activities including quarterly developmental tests, STPs and continuous interoperability testing in support of quarterly software releases. ***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 NGC2 initiative to modernize C2 systems, for the Data and Application Layers.			
Title: PM Support (Matrix & Contractor) ***Description:*** Matrix and contractor support, including technical, logistics, and business staff oversight, for MMC-T and MMC-S. ***FY 2025 Plans:*** Funds continue to finance matrix and contractor personnel to support MMC-T and MMC-S development/systems engineering and provide technical, test expertise, and business oversight for BFT-3 transceiver and encryption device prototypes, and MMC-S software changes. Technical areas include SATCOM, Network, Intel, Cyber, Radio Frequency, Waveform and Transport. Additionally, this PM support includes system analyses of external programs systems and future systems for integration and convergence into the MCE infrastructure, technical readiness assessments and assistance with stakeholder technical exchange meetings and events. Business/program management efforts include funds execution, contract management and logistical support. Some of this work is secured via FSAs between the PM and various Government support agencies, such as the DEVCOM Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) Center and other PEOs. ***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 NGC2 initiative to modernize C2 systems, for the Data and Application Layers.	3.566	3.655	-
Accomplishments/Planned Programs Subtotals	47.965	33.114	-

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
• W61990: *JOINT BATTLE COMMAND - PLATFORM (JBC-P)*	154.049	167.172	165.395	-	165.395	-	-	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

C. Other Program Funding Summary ($ in Millions)

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

Remarks

Procurement (Base) funding is designated for the procurement, fielding, training and program management of JBC-P (through FY 2025) and the Mounted Mission Command (MMC) Family of Systems (FoS) thereafter.

D. Acquisition Strategy

This funding line supports two separate ACAT II Programs of Record, Mounted Mission Command Transport (MMC-T) and MMC Software (MMC-S), which form the MMC Family of Systems (FoS) and will modernize the legacy JBC-P capability. approach to maximize development flexibility and support incremental JBC-P capability improvements over time. Planning is underway to address future compute and store requirements. This structure capitalizes on work completed to date to utilize and respond to technological advances to provide cutting-edge capabilities to the Warfighters and out-pace the obsolescence curve.

MMC-T satisfies requirements in the JBC-P CDD ILO CPD and the Mounted Mission Command- Hardware & Transport (MMC HW&T) Abbreviated CDD. This program utilizes an approved evolutionary acquisition approach punctuated by prototype development of the transceivers and encryption devices, as well as modular waveforms, that undergo DevOps) and other unit experimentation events to ultimately inform a production decision.

MMC-S satisfies requirements in the COE Information System-Initial Capability Document and the Mounted Computing Environment Requirements Definition Package (MCE RDP) (both approved in October 2018). A Full Deployment Decision (FDD) for MMC-S v3.1 was approved in October 2023. In FY 2024, MMC-S transitioned from an incremental development approach to an agile continuous integration/ continuous delivery (CI/CD) approach that leverages user feedback and DevOps, to ensure capability is delivered quickly to the Warfighter. This development process makes it easier to facilitate capability delivery while incorporating enhancements and technological advances expeditiously into the software baseline.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) 593 / *Joint Battle Command - Platform (JBC-P)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MMC-T Software/Systems Engineering	C/FFP	GDMS/L3Harris : Multiple	113.066	25.230	Nov 2023	8.249	Nov 2024	-		-		-	Continuing	Continuing	-
MMC-S Software/Systems Engineering	IA	Multiple (Government and industry) : Multiple	16.364	10.595	Nov 2023	14.695	Nov 2024	-		-		-	Continuing	Continuing	-
		Subtotal	129.430	35.825		22.944		-		-		-	Continuing	Continuing	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, for the Data and Application Layers.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PM Support (Matrix / SETA Contractor)	MIPR	PdM MMC : Aberdeen Proving Ground (APG), MD	17.339	3.566	Nov 2023	3.655	Nov 2024	-		-		-	Continuing	Continuing	-
		Subtotal	17.339	3.566		3.655		-		-		-	Continuing	Continuing	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 NGC2 initiative to modernize C2 systems, for the Data and Application Layers.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MMC-T Develop and Conduct Tests and Assessments	MIPR	Multiple : Multiple	31.889	2.699	Nov 2023	5.308	Nov 2024	-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) 593 / *Joint Battle Command - Platform (JBC-P)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MMC-S Develop and Conduct Tests and Assessments	MIPR	Multiple : Multiple	4.916	5.875	Nov 2023	1.207	Nov 2024	-		-		-	Continuing	Continuing	-
		Subtotal	36.805	8.574		6.515		-		-		-	Continuing	Continuing	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 NGC2 initiative to modernize C2 systems, for the Data and Application Layers.

	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	183.574	47.965		33.114		-		-		-	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

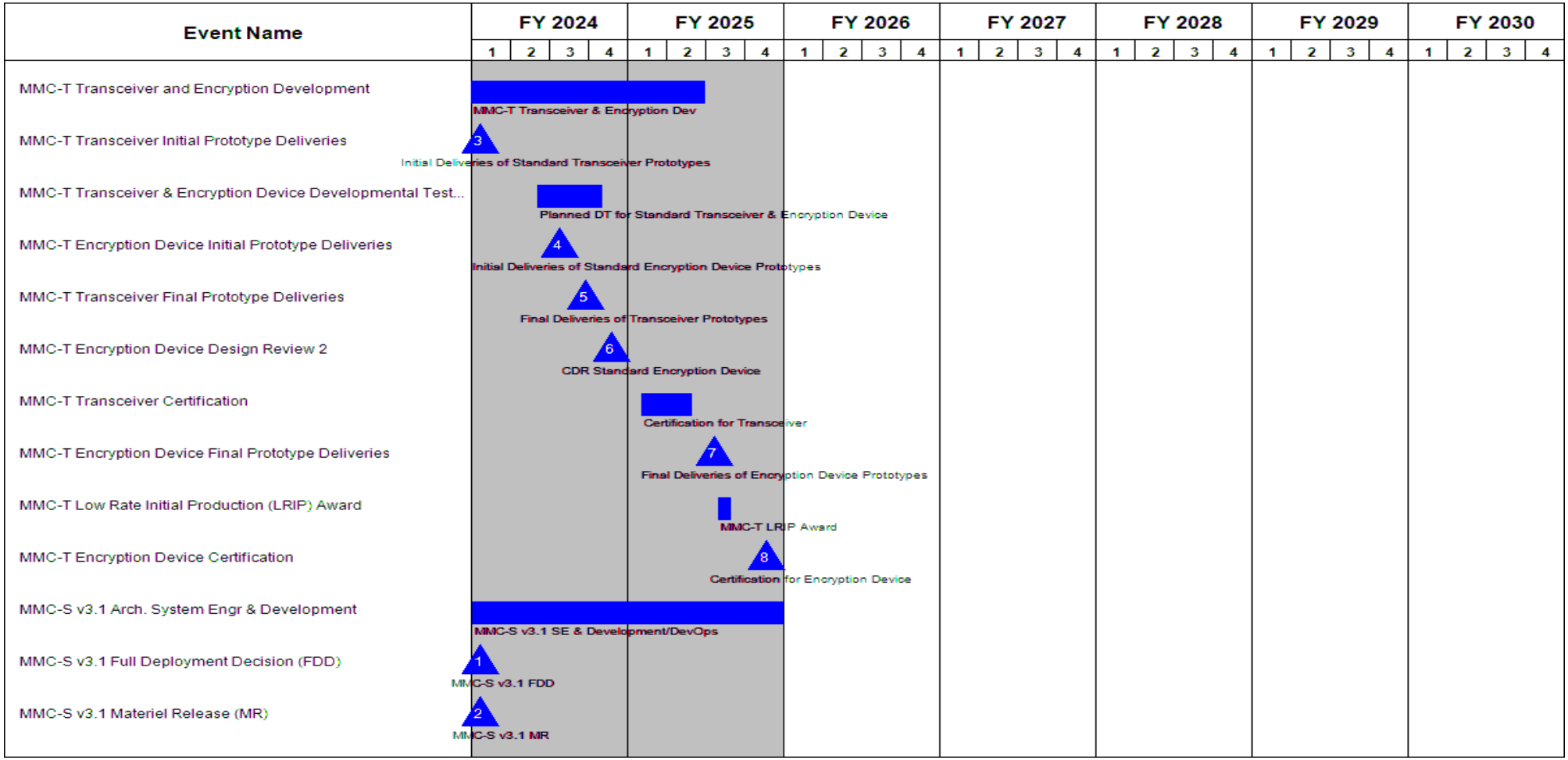
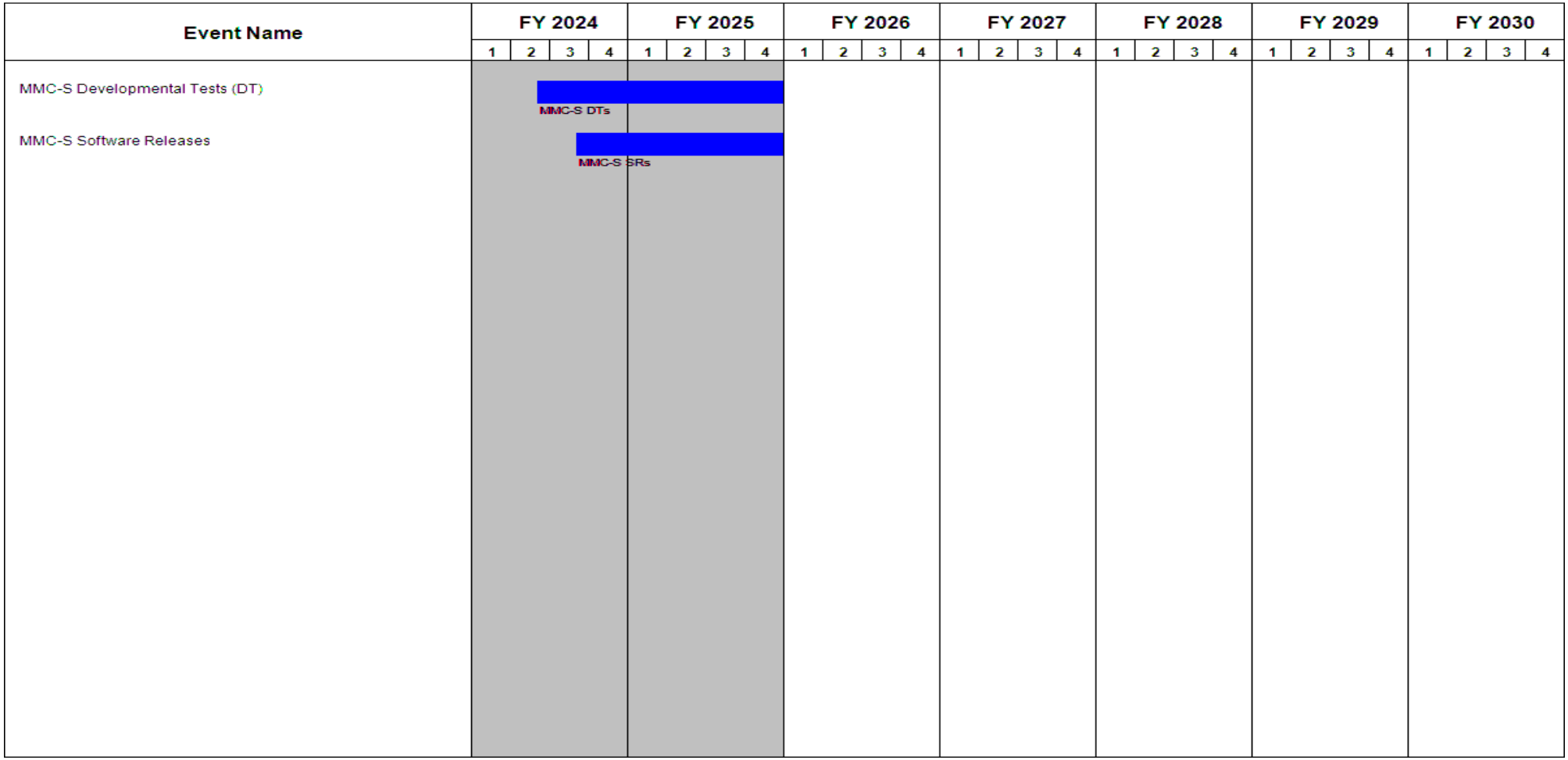


Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*



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.

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MMC-T Systems Engineering Development and Consortium	2	2017	4	2021
MMC-T Developmental Testing (C5ISR Lab based)	1	2021	4	2021
MMC-T Resilient Line of Sight (LOS) Contract Award	1	2022	1	2022
MMC-T Resilient LOS Development	1	2022	4	2023
MMC-T Transceiver Request for Prototype Proposal (RPP)	2	2022	2	2022
MMC-T Encryption Device RPP	2	2022	2	2022
MMC-T Transceiver & Encryption Device Contract Awards	3	2022	4	2022
MMC-T Transceiver and Encryption Development	3	2022	2	2025
MMC-T Transceiver & Encryption Developmental Testing (C5ISR Lab based) 2	3	2022	4	2022
MMC-T Transceiver Design Review 1	4	2022	4	2022
MMC-T Line of Sight Waveform Delivery	1	2023	1	2023
MMC-T Soldier Touch Point (STP) 1	2	2023	2	2023
MMC-T Transceiver Design Review 2	3	2023	3	2023
MMC-T Encryption Device Design Review 1	3	2023	3	2023
MMC-T Transceiver Initial Prototype Deliveries	1	2024	1	2024
MMC-T Transceiver & Encryption Device Developmental Test (DT)	2	2024	4	2024
MMC-T Encryption Device Initial Prototype Deliveries	3	2024	3	2024
MMC-T Transceiver Final Prototype Deliveries	3	2024	3	2024
MMC-T Encryption Device Design Review 2	4	2024	4	2024
MMC-T Transceiver Certification	1	2025	2	2025
MMC-T Encryption Device Final Prototype Deliveries	3	2025	3	2025
MMC-T Low Rate Initial Production (LRIP) Award	3	2025	3	2025

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** 593 / *Joint Battle Command - Platform (JBC-P)*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MMC-T Encryption Device Certification	4	2025	4	2025
MMC-S v3.1 Arch. System Engr & Development	1	2021	4	2025
MMC-S v3.1 Army Interoperability Certification (AIC)	1	2023	2	2023
MMC-S v3.1 Initial Operational Test & Evaluation (IOT&E)	3	2023	3	2023
MMC-S v3.1 Full Deployment Decision (FDD)	1	2024	1	2024
MMC-S v3.1 Materiel Release (MR)	1	2024	1	2024
MMC-S Developmental Tests (DT)	2	2024	4	2025
MMC-S Software Releases	3	2024	4	2025

Note

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.

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*	

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
DH4: *CMOSS Mounted Form Factor (CMFF) Radio Cards*	-	-	21.802	30.945	-	30.945	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) delivers Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radiohead (DRH), and Victory Audio Adapters (VAX) required by the CMOSS Mounted Form Factor (CMFF) Abbreviated Capability Development Document (A-CDD) for the Ground and Aviation's tactical communication requirements. CMFF provides simultaneous transmission and reception of multiple waveforms across multiple channels in a single or multiple SDR card(s) integrated in the CMFF chassis with NSA certifiable CSS and interoperable with the Digital Radiohead. CMFF will introduce a Blocking Strategy roadmap. Block 1 starts with TSM and future blocks will build upon Block 1; Block 2 includes Single Channel Ground and Airborne Radio System (SINCGARS), VHF/UHF Line of Sight (VULOS) / Air Traffic Control (ATC), Warrior Robust Enhanced Network (WREN), initial Cryptographic Subsystem Card (CSS), Digital Radiohead (DRH), and Victory Audio Adapter and future advanced networking waveforms; Block 3 includes but is not limited to Mobile User Objective System (MUOS), Link-16, High Frequency (HF), HAVEQUICK (HQ), Second generation Anti-jam Tactical UHF Radio for NATO (SATURN), Demand Assigned Multiple Access (DAMA) and final CSS, DRH, and Victory Audio Adapter and future advanced networking waveforms.

FY 2026 funds in the amount of $30.945 million supports Program Management Support, Hardware and Software Development (SDR card, CSS card, Digital Radiohead and Victory Audio Adapter), and Test, Integration and Evaluation.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Program Management Support	-	2.495	4.126
Description: Program management includes overall management of program execution, major events, reporting, funds execution, contract management, technical and logistical support. Includes participation in program planning and Integrated Product Team meetings.			
FY 2025 Plans: FY 2025 Research Development Test & Evaluation (RDT&E) funds Matrix and contractor support to assist with the CMFF program development, testing, integration and evaluation and program oversight.			
FY 2026 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
FY 2026 Research Development Test & Evaluation (RDT&E) funds Matrix and contractor support to assist with the CMFF program development, testing, integration and evaluation and program oversight. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase due to additional program office support required for Block 2 SDR, CSS, DRH, VAX hardware and software development and managing contractual efforts to support prototyping.			
Title: Product Development ***Description:*** Funds hardware and software development of CMFF Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radiohead (DRH) and Victory Audio Adapter (VAX). ***FY 2025 Plans:*** FY 2025 Research Development Test & Evaluation (RDT&E) funding will support prototyping contracts with vendors and provide technical systems engineering support for Hardware & Software development of the SDR card, CSS card, DRH and Victory Audio Adapter. ***FY 2026 Plans:*** FY 2026 Research Development Test & Evaluation (RDT&E) funding will continue to support prototyping contracts with vendors and provide technical systems engineering support for Hardware & Software development of the SDR card, CSS card, DRH and Victory Audio Adapter. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase due to additional prototyping & development activities required to support SDR, CSS, DRH, and VAX, including multiple technical demonstrations required to demonstrate product maturation.	-	18.369	24.892
Title: Test and Evaluation ***Description:*** Test and Evaluation focused on integration, testing and evaluation of the CMFF's Hardware and Software development of the Software Defined Radio (SDR) cards, Cryptographic Subsystem cards (CSS), Digital Radioheads (DRH) and Victory Audio Adapter (VAX) in support of mounted tactical communications requirements. ***FY 2025 Plans:*** FY 2025 Research Development Test & Evaluation (RDT&E) funding supports CMFF integration, testing, and evaluation of the Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radio Heads and support from the Crypto Mod lab, Open Innovation Lab (OIL), and Prototype Integration Facility (PIF). As well as multiple technical demonstrations to prove system interoperability and maturation. ***FY 2026 Plans:***	-	0.938	1.927

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
FY 2026 Research Development Test & Evaluation (RDT&E) funding supports CMFF integration, testing, and evaluation of the Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radio Heads and support from the Crypto Mod lab, Open Innovation Lab (OIL), and Prototype Integration Facility (PIF). As well as multiple technical demonstrations to prove system interoperability and maturation. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase of funding is a result of ramp up of test, integration and evaluation activities for capabilities development by the Crypto Mod lab, Open Innovation Lab (OIL), and Prototype Integration Facility (PIF).			
Accomplishments/Planned Programs Subtotals	-	21.802	30.945

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The CMOSS Mounted Form Factor (CMFF) program responds to Army requirements contained in the CMFF Abbreviated Capability Development Document (A-CDD), approved on 4 January 2021. A new start in FY 2025, the program will seek Middle Tier of Acquisition (MTA) Rapid Prototyping (RP) program initiation in 4QFY2025. The MTA RP effort spans the initial five years of the program and will prototype the tactical radio communication components to include: Software Defined Radio (SDR) cards, Cryptographic Subsystem (CSS) cards, Digital Radioheads (DRH) and Victory Audio Adapters (VAX).

The capabilities being developed within the CMFF Tactical Radios program represent the critical linchpin to the CMFF solution; convergence of legacy mounted radios into a single form factor is only achievable through execution of PM TR's CMFF program. The capabilities developed under this MTA will be used to evaluate the technical feasibility of a modular system for ground and aviation platforms in support of the Army's C5ISR/EW CMFF. The prototypes will interoperate together within the CMFF MCI Chassis.

Industry will develop prototype hardware and software solutions in support of this program. Market research has indicated sufficient interest and availability to support competition across all communication components. Other Transaction Authorities (OTA) will be utilized to prototype the tactical radio capabilities, with awards expected in 4QFY2025.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Various	TBD : TBD	-	-		2.495		4.126		-		4.126	0.000	6.621	-
		Subtotal	-	-		2.495		4.126		-		4.126	0.000	6.621	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Engineering	TBD	TBD : TBD	-	-		18.369		24.892		-		24.892	0.000	43.261	-
		Subtotal	-	-		18.369		24.892		-		24.892	0.000	43.261	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation Support	MIPR	DEVCOM C5ISR (OIL/PIF Support) : Fort Belvoir, Virginia	-	-		0.938		1.927		-		1.927	0.000	2.865	-
		Subtotal	-	-		0.938		1.927		-		1.927	0.000	2.865	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		21.802		30.945		-		30.945	0.000	52.747	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*

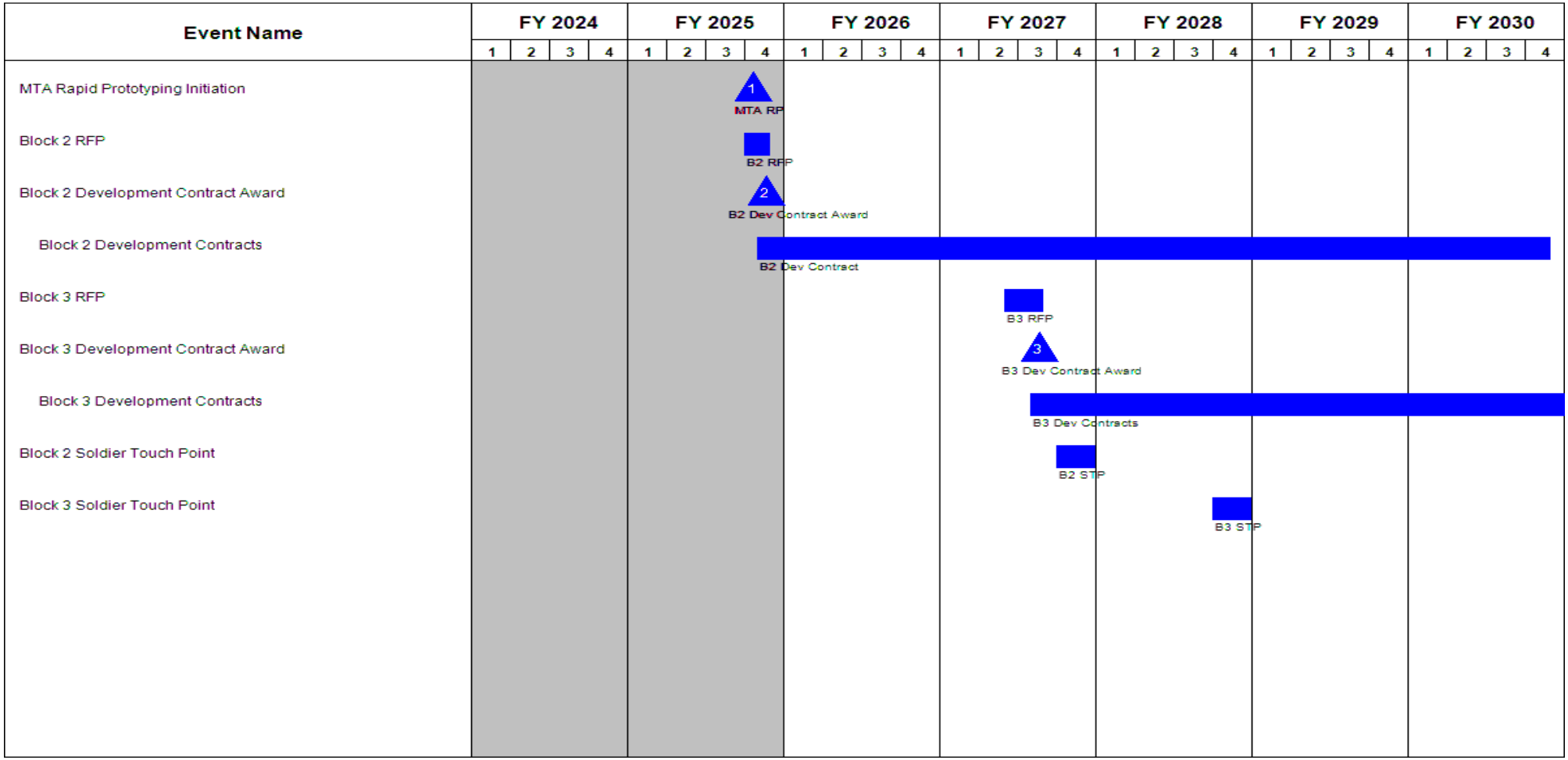


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH4 / *CMOSS Mounted Form Factor (CMFF) Radio Cards*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MTA Rapid Prototyping Initiation	4	2025	4	2025
Block 2 RFP	4	2025	4	2025
Block 2 Development Contract Award	4	2025	4	2025
Block 2 Development Contracts	4	2025	4	2030
Block 3 RFP	2	2027	3	2027
Block 3 Development Contract Award	3	2027	3	2027
Block 3 Development Contracts	3	2027	3	2032
Block 2 Soldier Touch Point	4	2027	4	2027
Block 3 Soldier Touch Point	4	2028	4	2028

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*	

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
DH5: *CMOSS Mounted Form Factor (CMFF) Chassis*	-	-	37.384	27.415	-	27.415	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) is a defined suite of open architecture and Army standards that facilitate the reduction of system size, weight, and power-cooling (SWaP-C) and ensure commonality across multiple vehicles and platforms. Sharing of hardware and software components is enabled within the CMFF Mounted Common Infrastructure (MCI) Chassis, which will help move the implementation of C5ISR/Electronic Warfare (C5ISR/EW) capabilities away from costly and complex separate "stove-piped boxes" onto individual platforms. The use of open standards will make it simpler and more cost-effective to upgrade capabilities and/or keep pace with commercial technology by eliminating complex integration challenges and proprietary interfaces. The CMFF capability can only be realized when paired with the development of associated capability cards for integration into the chassis and peripheral enabling devices, such as antennae and appropriate user interfaces. Other programs are responsible for funding and developing the capability cards and peripheral devices; the CMFF MCI Chassis program is responsible for chassis development, system of system integration of capability cards and external resources into the chassis and platform integration.

FY26 funding in the amount of $27.415 million will provide for CMFF MCI Chassis hardware and software development, vehicle and platform integration and prototype manufacturing for the chassis leading into its first test event in FY26.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: CMFF - Product Development	-	33.448	19.810
Description: Hardware and software development and prototype manufacturing of the CMFF Mounted Common Infrastructure (MCI) Chassis, system of system integration of capability cards and external resources, platform integration and final product development for ground and aviation platforms.			
FY 2025 Plans: Funding supports a multi-vendor OTA award, including prototyping, hardware and software development, and lab-asset procurement for experimentation on ground platforms and technical studies and maturation on aviation platforms.			
FY 2026 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Funding continues to support a multi-vendor OTA for ground and aviation chassis development including prototyping, hardware and software development, utilizing procured lab-assets/prototypes for experimentation. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease due to completion of lab-asset procurement in FY 2025.			
Title: CMFF - Test and Evaluation ***Description:*** Test, evaluation and assessment activities for the CMFF MCI Chassis to support prototyping, development and procurement. ***FY 2025 Plans:*** Funding supports demonstration and integration testing, software defined testbed development, and the kickoff of National Security Agency (NSA) evaluation activities for CMFF MCI Chassis Block 1. ***FY 2026 Plans:*** Funding supports ongoing National Security Agency (NSA) Evaluation, Environmental and Safety testing activities leading into the first Lab-Based Risk Reduction (LBRR) Soldier Touch Point (STP) test event for Block 1 in FY26. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Increase due to a significant ramp up of NSA Evaluation and assessment activities.	-	0.771	4.653
Title: CMFF - Program Management Support ***Description:*** Matrix and Contractor Personnel Support, including technical, logistics, and business staff that provide expertise and support for CMFF MCI Chassis program activities. ***FY 2025 Plans:*** Funding provides the development, systems engineering, technical and business Matrix and Contractor personnel to support the CMFF MCI Chassis program efforts. ***FY 2026 Plans:*** Funding provides the prototype development, systems engineering, technical and business Matrix and Contractor personnel to support the CMFF MCI Chassis program efforts. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Decrease reflects completion of lab-asset procurement and associated support in FY 2025.	-	3.165	2.952
Accomplishments/Planned Programs Subtotals	-	37.384	27.415

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The CMOSS Mounted Form Factor (CMFF) Mounted Common Infrastructure (MCI) Chassis program responds to Army requirements in the approved CMFF Abbreviated Capability Development Document (A-CDD), validated on 4 January 2021, and is pursuing a Middle Tier of Acquisition (MTA) Rapid Prototyping (RP) acquisition pathway, which was initiated in FY2025. The MTA RP effort spans five years and will prototype the chassis and software that manages the operation of the chassis, as well as integrate the capability cards and peripheral enabling devices, assuring the integrated solution operates as required. (The capability cards deliver communications, situational awareness, and positioning, navigating, and timing (PNT) capabilities that will be provided by external programs).

The project will converge the capability cards into a single CMOSS compliant form factor (chassis) mounted on selected military ground and aviation platforms that can be demonstrated in a relevant operational environment. The control software in the chassis will enable simultaneous operations of the CMFF MCI and capability cards without interference between the capability cards and the systems mounted on the platforms, utilizing open standard/vendor agnostic interfaces presented via a common user-interface (UI). This will meet current systems performance parameters and position the program to integrate capability cards that host legacy ("stove-piped") and emerging capabilities.

The MTA RP program will execute hardware and software prototype development of the chassis for ground and aviation variants in two blocks, focusing initially on light tracked and wheeled vehicles (Block 1) and then the Combat platforms and initial Future Vertical Lift System Integration Lab implementation and firing platforms (Block 2).

Market research indicates sufficient interest and availability to support competition for CMFF MCI. Other Transaction Authorities will be utilized to prototype the chassis and common user interface system control software.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CMFF - Program Management Support	MIPR	TBD : APG, MD	-	-		3.165		2.952		-		2.952	0.000	6.117	-
		Subtotal	-	-		3.165		2.952		-		2.952	0.000	6.117	N/A

Remarks

Decrease reflects completion of lab-asset procurement and associated support in FY 2025.

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CMFF - Product Development - Ground	TBD	TBD : TBD	-	-		30.575		18.793		-		18.793	0.000	49.368	-
CMFF - Product Development - Aviation	TBD	TBD : TBD	-	-		2.873		1.017		-		1.017	0.000	3.890	-
		Subtotal	-	-		33.448		19.810		-		19.810	0.000	53.258	N/A

Remarks

Decrease due to completion of lab-asset procurement in FY 2025.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CMFF - Test and Evaluation	MIPR	TBD : TBD	-	-		0.771		4.653		-		4.653	0.000	5.424	-
		Subtotal	-	-		0.771		4.653		-		4.653	0.000	5.424	N/A

Remarks

Increase due significant ramp up of NSA Evaluation and assessment activities.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*	

	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	-	-		37.384		27.415		-		27.415	0.000	64.799	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*

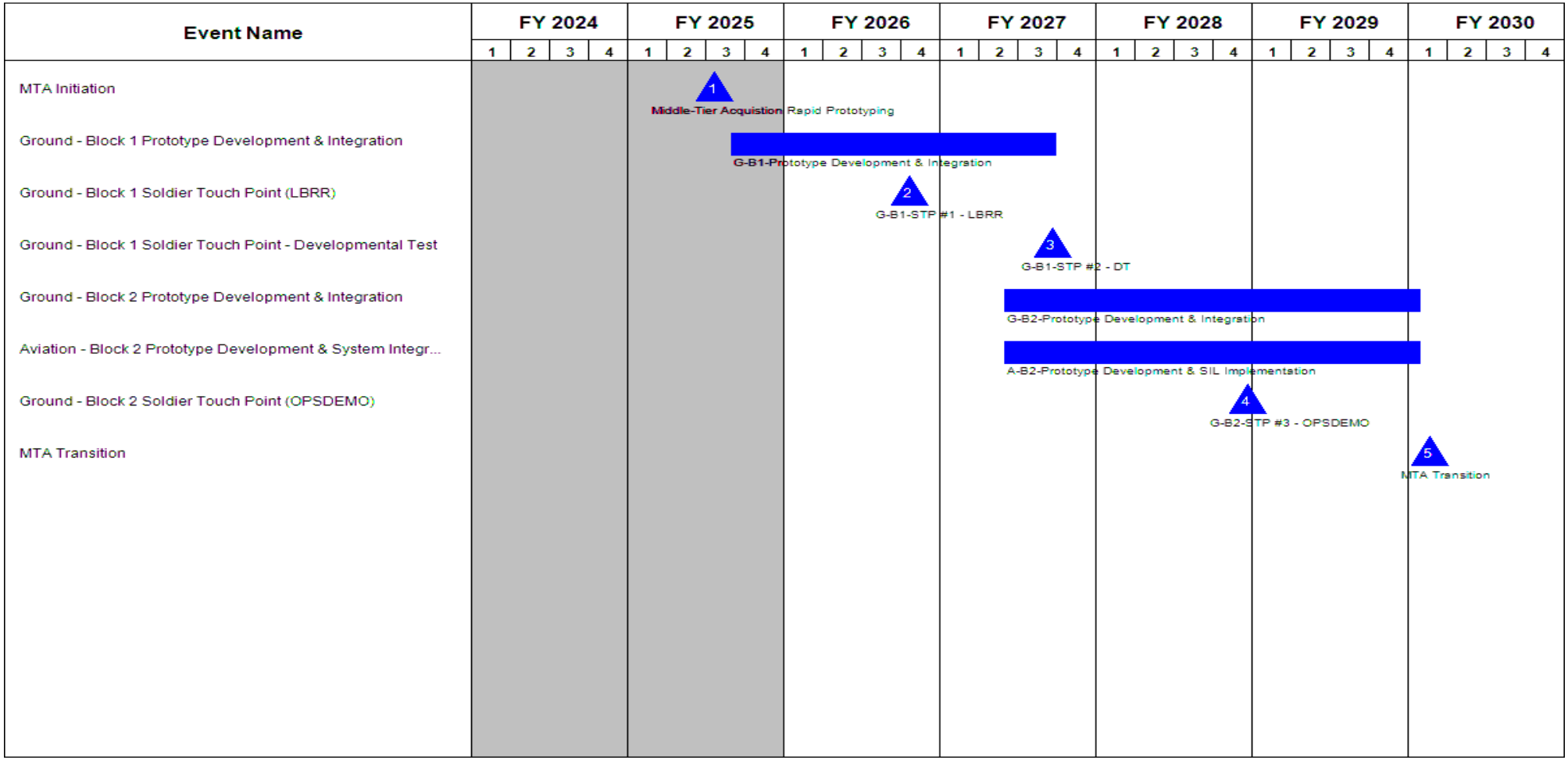


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DH5 / *CMOSS Mounted Form Factor (CMFF) Chassis*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MTA Initiation	3	2025	3	2025
Ground - Block 1 Prototype Development & Integration	3	2025	3	2027
Ground - Block 1 Soldier Touch Point (LBRR)	4	2026	4	2026
Ground - Block 1 Soldier Touch Point - Developmental Test	3	2027	3	2027
Ground - Block 2 Prototype Development & Integration	2	2027	1	2030
Aviation - Block 2 Prototype Development & System Integration Laboratory (SIL) Implementation	2	2027	1	2030
Ground - Block 2 Soldier Touch Point (OPSDEMO)	4	2028	4	2028
MTA Transition	1	2030	1	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*	

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
DL9: *APNT Cards C5ISR Mounted Form Factor (CMFF)*	-	-	-	5.365	-	5.365	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Fiscal Year (FY) 2026 Base funds in the amount of $5.365 million was realigned from Budget Activity-4 (BA-4) Program Element (PE) 0604120A Project Code ED5 to Budget Activity-5 (BA-5) Project Code DL9 within PE 0604805A Command, Control, Communications Systems - Eng Dev. This effort continues the development of the Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) Assured Positioning, Navigation and Timing (APNT) Card.

A. Mission Description and Budget Item Justification

The CMFF APNT Card provides the solutions required by the CMFF Abbreviated Capability Development Document and distributes APNT data to payloads within the CMFF chassis and external systems as needed. The CMFF APNT card provides trusted PNT by utilizing multiple PNT sources and leveraging multiple open architectures. The CMFF APNT Card prototyping, and software development will be conducted in accordance with Modular Open Systems Approach (MOSA) (Reference House Report 116-442, 2020). The CMFF APNT Card complies with the PNT Reference Architecture and MOSA compliant hardware; CMOSS and software frameworks (PNT Operating System (pntOS)), to ensure a plug and play capability.

Fiscal Year (FY) 2026 Base funds in the amount of $5.365 million continues the CMFF APNT Card prototype integration engineering support into the CMFF Mounted Common Infrastructure Chassis.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: CMFF APNT Cards	-	-	5.365
Description: This effort continues the CMFF APNT Card prototype integration engineering support into the CMFF Mounted Common Infrastructure Chassis and operational testing.			
FY 2026 Plans: Fiscal Year (FY) 2026 Base funds in the amount of $5.365 million continues the CMFF APNT Card prototype integration engineering support into the CMFF Mounted Common Infrastructure Chassis, initiates prototype hardware and software development, and prototype developmental testing efforts.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Funding realigned from Budget Activity-4 (BA-4) Program Element (PE) 0604120A Project Code ED5 Assured Positioning, Navigation and Timing.			
Accomplishments/Planned Programs Subtotals	-	-	5.365

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
• ED5: *Assured Positioning, Navigation and Timing (PNT)*	2.903	14.133	8.686	-	8.686	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) APNT Card developmental effort will utilize a mix of competitive Other Transaction Authority (OTA)'s and Federal Acquisition Regulation contracts in order to effectively prototype cards for integration into the CMFF Mounted Common Infrastructure Chassis. The strategy encompasses prototype development, engineering trade-offs and User Assessments to achieve the best balance of capability and cost. The acquisition strategy for CMFF APNT Card emphasizes using open standards and architecture to make it simpler and more cost-effective to upgrade capabilities and keep pace with commercial technology by eliminating complex integration challenges, lack of competition, and proprietary interfaces.

Requirement documents include:
- Abbreviated Capabilities Development Document (A-CDD) for the CMOSS Mounted Form Factor, Army Futures Command (AFC) validated, 4 January 2021
- Capability Development Document, Mounted Assured PNT System, 12 September 2020

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	Various : Various	-	-		-		0.587	Feb 2026	-		0.587	0.000	0.587	-
		Subtotal	-	-		-		0.587		-		0.587	0.000	0.587	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CMFF APNT Card	Various	Various : Various	-	-		-		2.963	May 2026	-		2.963	0.000	2.963	-
		Subtotal	-	-		-		2.963		-		2.963	0.000	2.963	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Contracting Services	Various	Various : Various	-	-		-		1.279	Jan 2026	-		1.279	0.000	1.279	-
		Subtotal	-	-		-		1.279		-		1.279	0.000	1.279	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation Support	Various	Various : Various	-	-		-		0.536	Jul 2026	-		0.536	0.000	0.536	-
		Subtotal	-	-		-		0.536		-		0.536	0.000	0.536	N/A

Remarks

Fiscal Year (FY) 2026 funding supports CMFF APNT Card integration support testing at PM Mission Command (MC) User Assessment.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	Project (Number/Name) DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*	

	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	-	-		-		5.365		-		5.365	0.000	5.365	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*

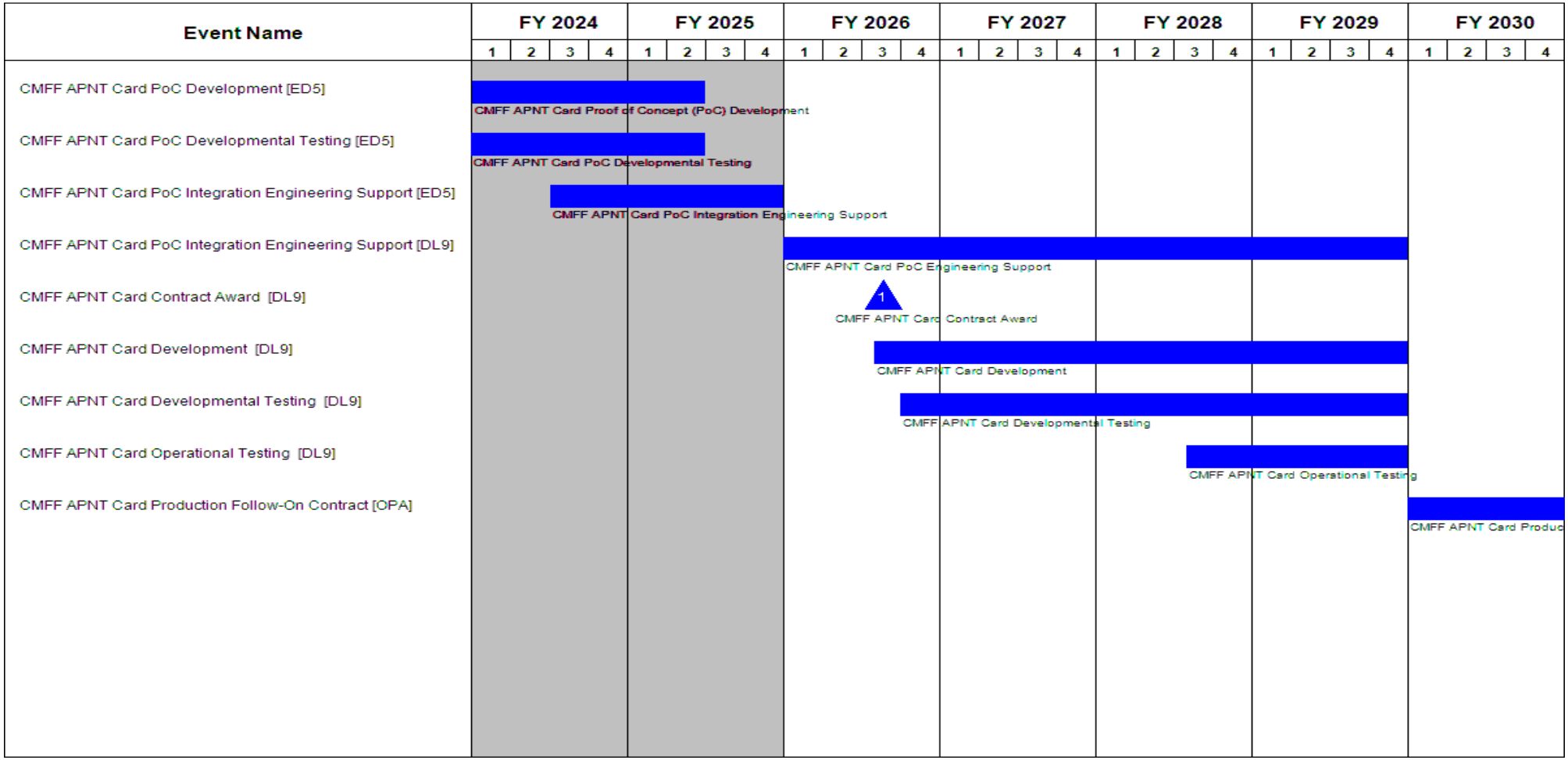


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604805A / *Command, Control, Communications Systems - Eng Dev*	**Project (Number/Name)** DL9 / *APNT Cards C5ISR Mounted Form Factor (CMFF)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
CMFF APNT Card PoC Development [ED5]	1	2024	2	2025
CMFF APNT Card PoC Developmental Testing [ED5]	4	2023	2	2025
CMFF APNT Card PoC Integration Engineering Support [ED5]	3	2024	4	2025
CMFF APNT Card PoC Integration Engineering Support [DL9]	1	2026	4	2029
CMFF APNT Card Contract Award [DL9]	3	2026	3	2026
CMFF APNT Card Development [DL9]	3	2026	4	2029
CMFF APNT Card Developmental Testing [DL9]	4	2026	4	2029
CMFF APNT Card Operational Testing [DL9]	3	2028	4	2029
CMFF APNT Card Production Follow-On Contract [OPA]	1	2030	4	2035

Note

CMFF APNT Card Development began under PE/Project 0604120/ ED5 and will continue development under PE/Project 0604805/DL9.

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 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604807A *I Medical Materiel/Medical Biological Defense Equipment - Eng 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	-	10.984	7.143	6.252	-	6.252	-	-	-	-	-	-
832: *Field Medical Systems Engineering Development*	-	10.984	7.143	6.252	-	6.252	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) funds advanced development of medical materiel within the System Demonstration and Low Rate Initial Production portions of the acquisition life cycle using Budget Activity 6.5 (System Development and Demonstration) funding. It supports products successfully developed in the Systems Integration portion of the Systems Development and Demonstration phases through completion of the Milestone C Decision Review. Commercially-off-the-shelf (COTS) medical products are also tested and evaluated for military use, when available. This PE primarily includes pivotal (conclusive) human clinical trials necessary for licensure by the Food and Drug Administration (FDA).

Projects in this PE include the following:

Project 832 funds the engineering and manufacturing development of medical products for enhanced combat casualty care and follow-on care, including rehabilitation. Mature COTS medical products are also evaluated for military use. Consideration will also be given to reduce the medical sustainment footprint through smaller weight and cube volume, or equipment independence from supporting materiel. Products from this project will normally transition to OPA Funds.

The FY 2026 request was reduced by $0.344 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

The FY 2026 request was reduced by $0.049 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604807A *I Medical Materiel/Medical Biological Defense Equipment - Eng Dev*

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	6.496	7.143	6.566	-	6.566
Current President's Budget	10.984	7.143	6.252	-	6.252
Total Adjustments	4.488	0.000	-0.314	-	-0.314
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	4.648	-			
• SBIR/STTR Transfer	-0.160	-			
• Adjustments to Budget Years	-	-	-0.314	-	-0.314

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2024	FY 2025
Project: 832: *Field Medical Systems Engineering Development*		
Congressional Add: *Program Increase- Prep ARS (Pre-Exposure Prophylaxis for Acute Radiation Syndrome) - MCM (Medical Countermeasure)*	5.000	-
Congressional Add Subtotals for Project: 832	5.000	-
Congressional Add Totals for all Projects	5.000	-

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	Project (Number/Name) 832 / *Field Medical Systems Engineering 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
832: *Field Medical Systems Engineering Development*	-	10.984	7.143	6.252	-	6.252	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project funds the engineering and manufacturing development of medical products for enhanced combat casualty care and follow-on care. Commercially available medical products are also evaluated for military use. This project funds pivotal (conclusive) human clinical trials or mechanical engineering evaluations for effectiveness of devices or biologics (products derived from living organisms) to fulfill unique military requirements. Project Managers also consider reductions to the medical sustainment footprint through smaller weight and cube volume, or equipment independence from supporting materiel. This work is frequently completed through a laboratory/contractor team with the contractor obtaining the U.S. Food and Drug Administration (FDA) licensure for sale of the product.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Field Medical Systems Engineering Development - Medical Readiness	5.984	7.143	6.252
Description: Funding is provided for engineering and manufacturing development of medical products for diagnostic devices and testing of medical devices for use in the field. ***FY 2025 Plans:*** Medical Device Prototype Development and Testing: Will continue to provide rapid prototype design; fabrication; evaluation and testing; and fixes for medical and medical support products, components and systems as well as harden commercial products for use in a field environment used to sustain and support the Warfighter. Will continue to conduct Developmental Test and Evaluation (DT&E) as required by Army and DoD regulations, consisting of Environmental T&E IAW Mil-STD-810G; Performance Verification Testing; and Competitive Analysis. Medical Field Systems Advanced Development (MFS AD): Begin transitioning of DMMS from Program Element 0603807A / Project 836 (Field Medical Systems Advanced Development) to 832 (Field Medical Systems Engineering Development) within program element 0604807A. Development and testing CASEVAC kit for the NGCV. Will perform air worthiness testing for both developmental and commercial carry-on medical equipment destined for use aboard Army aircraft required by AR 70-62, for Medical Equipment Set and Mission Essential Package with products. ***FY 2026 Plans:*** Medical Device Prototype and Testing: Will provide rapid prototype design; fabrication; evaluation and testing; and fixes for medical devices and medical support products, components and systems as well as harden commercial products for use in a field environment used to sustain and support the Warfighter. Conduct Developmental Test and Evaluation (DT&E) as required			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	**Project (Number/Name)** 832 / *Field Medical Systems Engineering Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
by Army and DoD regulations, consisting of Environmental T&E IAW Mil-STD-810G; Performance Verification Testing; and Competitive Analysis. Medical Field Systems Advanced Development (MFS AD):Continue to advance system integration, experimentation, and testing of medical devices in support of mobile medical platforms and shelters. Perform air worthiness certification and evaluation for both developmental and commercial carry-on medical equipment destined for use aboard Army aircraft required by AR 70-62, for Medical Equipment Sets. Conduct advanced development and initial testing activities in support of reconfigured medical sets with predictive logistical capabilities, medical sensor system networking and development, and additional medical, dental, and veterinary capabilities. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** The increase of funding in FY26 is due to additional medical capabilities identified in new requirements as well as modernization of existing medical capability solutions.			
Accomplishments/Planned Programs Subtotals	5.984	7.143	6.252

	FY 2024	FY 2025
Congressional Add: Program Increase- Prep ARS (Pre-Exposure Prophylaxis for Acute Radiation Syndrome) - MCM (Medical Countermeasure)	5.000	-
FY 2024 Accomplishments: Continued manufacturing of three registration batches of the BIO 300 active pharmaceutical ingredient (genistein). Continued analytical method development activities. Continued nonclinical and clinical trials demonstrating BIO 300's safety and efficacy.		
Congressional Adds Subtotals	5.000	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

To support developing in-house or industrial prototypes in government-managed programs to meet military and regulatory requirements for production and fielding.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	**Project (Number/Name)** 832 / *Field Medical Systems Engineering Development*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Product Development Management Services Cost	Various	Various : Various	65.306	2.787		2.519		1.219		-		1.219	Continuing	Continuing	Continuing
Program Increase - Prep ARS (Pre-Exposure Prophylaxis for Acute Radiation Syndrome) - MCM(Medical C	TBD	Humanetics : TBD	-	0.125		-		-		-		-	0.000	0.125	-
		Subtotal	65.306	2.912		2.519		1.219		-		1.219	Continuing	Continuing	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Product Development Cost	Various	Various : Various	15.218	0.652		0.826		4.029		-		4.029	Continuing	Continuing	Continuing
Program Increase - Prep ARS (Pre-Exposure Prophylaxis for Acute Radiation Syndrome) - MCM(Medical C	TBD	Humanetics : TBD	-	4.875		-		-		-		-	0.000	4.875	-
		Subtotal	15.218	5.527		0.826		4.029		-		4.029	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Device Prototype Development and Testing	Various	Various : Various	16.519	0.106		0.145		-		-		-	Continuing	Continuing	Continuing
Medical Field Systems Advanced Development (MFS AD)	TBD	Various : Various	6.504	1.783		3.653		0.873		-		0.873	0.000	12.813	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	Project (Number/Name) 832 / *Field Medical Systems Engineering Development*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Health Applications	TBD	Various : Various	-	0.656		-		-		-		-	0.000	0.656	-
		Subtotal	23.023	2.545		3.798		0.873		-		0.873	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Medical Device Prototype and Testing	TBD	Various : Various	-	-		-		0.131		-		0.131	0.000	0.131	-
		Subtotal	-	-		-		0.131		-		0.131	0.000	0.131	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	103.547	10.984		7.143		6.252		-		6.252	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	**Project (Number/Name)** 832 / *Field Medical Systems Engineering Development*

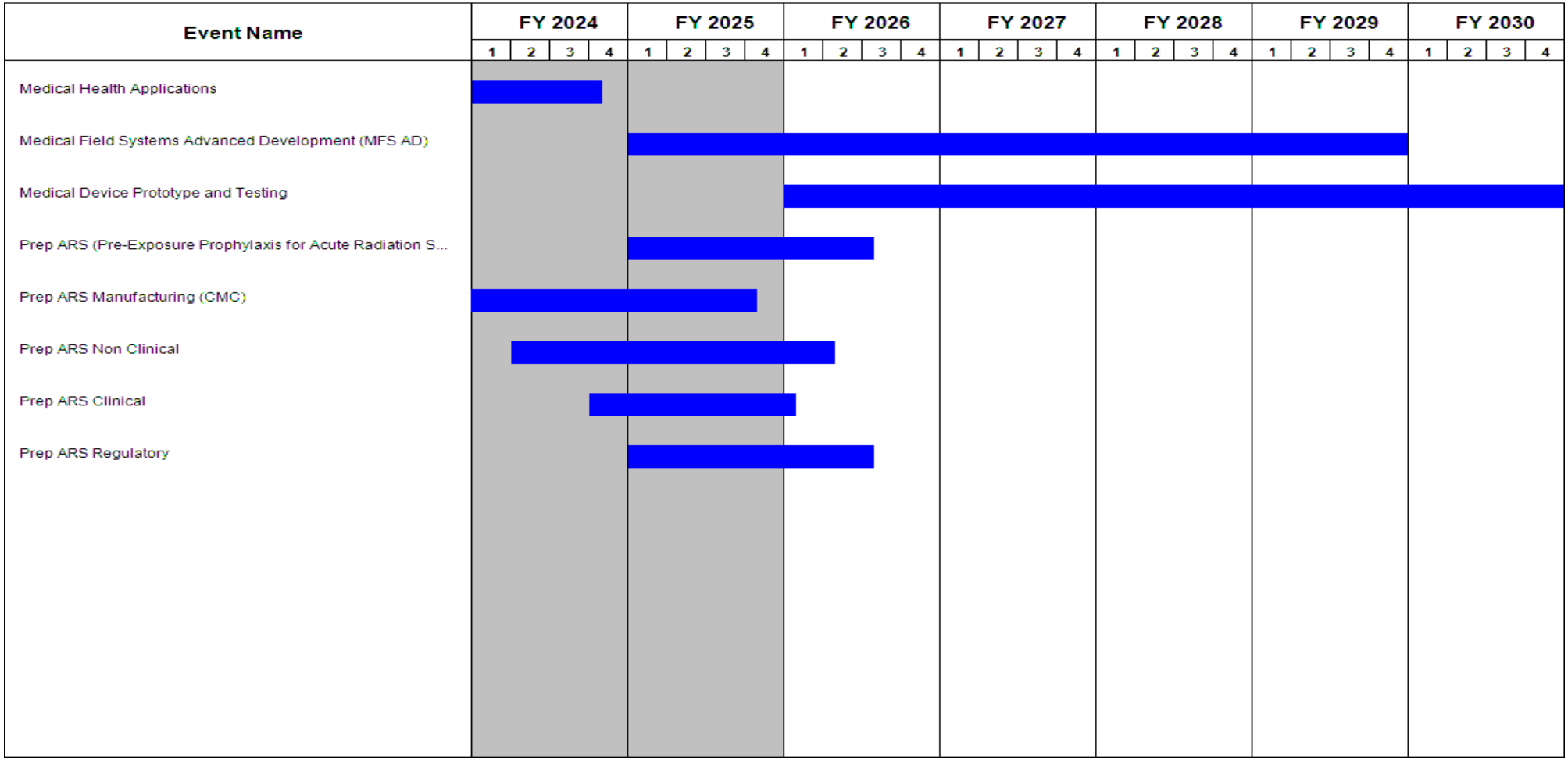


Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604807A / *Medical Materiel/Medical Biological Defense Equipment - Eng Dev*	**Project (Number/Name)** 832 / *Field Medical Systems Engineering Development*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Medical Health Applications	1	2023	4	2024
Medical Field Systems Advanced Development (MFS AD)	1	2025	4	2029
Medical Device Prototype and Testing	1	2026	4	2030
Prep ARS (Pre-Exposure Prophylaxis for Acute Radiation Syndrome) - MCM(Medical Countermeasure) Award	1	2025	3	2026
Prep ARS Manufacturing (CMC)	4	2023	4	2025
Prep ARS Non Clinical	2	2024	2	2026
Prep ARS Clinical	4	2024	1	2026
Prep ARS Regulatory	1	2025	3	2026

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 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604808A *I Landmine Warfare/Barrier - Eng 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	-	33.085	54.134	9.862	-	9.862	-	-	-	-	-	-
016: *Close Combat Capabilities ENG DEV*	-	30.753	51.914	7.970	-	7.970	-	-	-	-	-	-
CS2: *Render Safe Sets Kits and Outfits (RS-SKO)*	-	0.971	2.220	1.892	-	1.892	-	-	-	-	-	-
CS3: *Next Generation Advanced Bomb Suit (NGABS)*	-	1.361	-	-	-	-	-	-	-	-	-	-

Note

In FY 2026, Project 016 - Close Combat Capabilities ENG DEV includes two new efforts: MICLIC Wireless Initiation and Arresting Cable Release Mechanism (ACRM). These efforts are new starts in FY 2026.

A. Mission Description and Budget Item Justification

This Program Element (PE) provides for the Engineering and Manufacturing Development (EMD) and demonstration of countermine systems, Explosive Ordnance Disposal (EOD) render safe, and counter improvised explosive device capabilities.

Project 016: Close Combat Capabilities, covers multiple programs: Prototype Integration for Multi-Domain Operations, Enhanced Robotics Payload - Render Safe (ERPRS), Mine Clearing Line Charge (MICLIC) Wireless Initiation, and the Arresting Cable Release Mechanism (ACRM).

Enhanced Robotics Payload - Render Safe (ERP-RS) will enable EOD teams to access, render safe, and dispose of explosive ordnances (EO) while removing Soldiers from the direct effects of explosive blast and fragmentation. ERP-RS consists of three modules that will mount on existing Host Unmanned Ground Vehicles (HUGVs) in EOD units: (1) Highly Dexterous Manipulation System (HDMS) that has increased lift capacity and dexterity over current manipulators, using dual arm manipulation, will contribute to access, render safe, and disposal of sensitive EO, (2) a Multi-Shot Disruptor (MSD) module that provides remote selectable and precise disruption of surface laid or suspended EO, and (3) a Precision Aim Module (PAM) to provide accurate disruption of surface laid or suspended EO with the Multi-Shot Disrupter Module. These ERP-RS capabilities will provide a level of access, render safe, and disposal of EO that would currently require a Soldier to expose themselves to explosive hazards.

Mine Clearing Line Charge (MICLIC) Wireless Initiation effort is a reliability enhancement to the current MICLIC system. The MICLIC is a legacy heavy minefield breaching capability consisting of a trailer mounted launcher that deploys the M58A4 Linear Demolition Charge via the MK22 Mod 4 Rocket. The system has historically suffered from poor detonation reliability traced primarily to the fuze or command wires leading to it. By eliminating the wired connections and replacing the fuze with a system based on the fielded M152 Remote Activation Munition System (RAMS), system reliability in command detonation mode will be maximized. Wireless initiation is also a key enabler for remote/robotic employment of current and future breaching systems to remove Soldiers from the breach as described in emerging breaching

requirements such as the Common Engineer Chassis. If emerging requirement(s) is approved, effort will pivot to initiation system, development and integration activities on that replacement program.

The Arresting Cable Release Mechanism (ACRM) is a derived requirement of the M1150 Assault Breacher Vehicle (ABV) which employs the MICLIC ammo components. The arresting cable of the M58A4 Linear Demolition Charge is an entanglement hazard to the M1150. Currently a crew member must dismount the vehicle to remove it after M58A4 detonation which violates the crew protection requirements of the ABV. The ACRM will automatically disconnect the arresting cable while under tension, throwing the cable clear of the vehicle immediately prior to M58A4 detonation. This functionality is critical to the ABV-Remote Control System program as no vehicle operator will be available to remove the arresting cable. ACRM capability will also be a requirement for robotic breaching concepts as described in emerging requirements such as the Common Engineer Chassis.

Project CS2: Explosive Ordnance Disposal Render Safe - Sets Kits and Outfits (EOD RS-SKO) provides for the demonstration and evaluation of emerging technologies within requirements trade-space and capabilities needed for Explosive Ordnance Disposal (EOD) teams to Render Safe (RS) US and foreign ordnance and improvised explosive devices. Technical refresh of capabilities ensures Army 2030 formations maintain overmatch capability. EOD RS-SKO equips EOD teams with a suite of 11 capabilities needed to safely and effectively render safe explosive threats. Lessons learned from the Ukraine conflict show that the enemy/threat changes constantly so EOD RS-SKO capabilities must keep pace to ensure overmatch. Near term technical refresh priorities include improved load sets for the Electronic Countermeasures (Modi and AN/PLT-6(v)1) to ensure the most current threats are being countered allowing EOD Techs to safely approach/render safe explosive threats and enhanced deep-buried explosive hazard detection to allow EOD Techs to quickly and effectively clear their pathway and/or identify threats for render safe missions. This project will continue to support cross-service initiatives to increase commonality among information reporting and control systems.

Project CS3: NGABS will increase the Warfighter lethality and mobility by optimizing Soldier protection for EOD personnel, while effectively managing all life cycle aspects of Personal Protective Equipment (PPE). Warfighter lethality is increased through bomb suit weight reduction utilizing extensive investments in protective material research and development. The result is material solutions that are lighter and are pieced together in a manner which increases Soldier mobility and longevity. EOD Soldier situational awareness and exposure to ballistic threats is enhanced through the NGABS HUD which allows the Soldier increased visibility under various obscurants and low/no-light situations.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604808A *I Landmine Warfare/Barrier - Eng Dev*

B. Program Change Summary ($ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	13.581	19.134	9.345	-	9.345
Current President's Budget	33.085	54.134	9.862	-	9.862
Total Adjustments	19.504	35.000	0.517	-	0.517
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	35.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	20.000	-			
• SBIR/STTR Transfer	-0.496	-			
• Adjustments to Budget Years	-	-	0.517	-	0.517

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2024	FY 2025
Project: 016: *Close Combat Capabilities ENG DEV*		
Congressional Add: *Prototype Integration*	20.000	35.000
Congressional Add Subtotals for Project: 016	20.000	35.000
Congressional Add Totals for all Projects	20.000	35.000

Change Summary Explanation

Increase in FY 2026 funding from the previous PB to the current PB due to adjustments in Close Combat Capabilities, which covers three programs: Next Generation Advanced Bomb Suit (NGABS), Explosive Ordnance Disposal Render Safe (EOD RS) and Enhanced Robotics Payload - Render Safe (ERP-RS).

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) 016 / *Close Combat Capabilities ENG 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
016: *Close Combat Capabilities ENG DEV*	-	30.753	51.914	7.970	-	7.970	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, Project 016 - Close Combat Capabilities ENG DEV includes two new efforts: MICLIC Wireless Initiation and Arresting Cable Release Mechanism (ACRM). These efforts are new starts in FY 2026.

A. Mission Description and Budget Item Justification

Project 016 / Close Combat Capabilities covers multiple programs: Prototype Integration for Multi-Domain Operations, Enhanced Robotics Payload - Render Safe (ERP-RS), Mine Clearing Line Charge (MICLIC) Wireless Initiation, and the Arresting Cable Release Mechanism (ACRM).

Enhanced Robotics Payload - Render Safe (ERP-RS) will enable EOD teams to access, render safe, and dispose of explosive ordnances (EO) while removing Soldiers from the direct effects of explosive blast and fragmentation. ERP-RS consists of three modules that will mount on existing Host Unmanned Ground Vehicles (HUGVs) in EOD units: (1) Highly Dexterous Manipulation System (HDMS) that has increased lift capacity and dexterity over current manipulators, using dual arm manipulation, will contribute to access, render safe, and disposal of sensitive EO, (2) a Multi-Shot Disruptor (MSD) module that provides remote selectable and precise disruption of surface laid or suspended EO, and (3) a Precision Aim Module (PAM) to provide accurate disruption of surface laid or suspended EO with the Multi-Shot Disrupter Module. These ERP-RS capabilities will provide a level of access, render safe, and disposal of EO that would currently require a Soldier to expose themselves to explosive hazards.

Mine Clearing Line Charge (MICLIC) Wireless Initiation effort is a reliability enhancement to the current MICLIC system. The MICLIC is a legacy heavy minefield breaching capability consisting of a trailer mounted launcher that deploys the M58A4 Linear Demolition Charge via the MK22 Mod 4 Rocket. The system has historically suffered from poor detonation reliability traced primarily to the fuze or command wires leading to it. By eliminating the wired connections and replacing the fuze with a system based on the fielded M152 Remote Activation Munition System (RAMS), system reliability in command detonation mode will be maximized. Wireless initiation is also a key enabler for remote/robotic employment of current and future breaching systems to remove Soldiers from the breach as described in emerging breaching requirements such as the Common Engineer Chassis. If emerging requirement(s) is approved, effort will pivot to initiation system, development and integration activities on that replacement program.

The Arresting Cable Release Mechanism (ACRM) is a derived requirement of the M1150 Assault Breacher Vehicle (ABV) which employs the MICLIC ammo components. The arresting cable of the M58A4 Linear Demolition Charge is an entanglement hazard to the M1150. Currently a crew member must dismount the vehicle to remove it after M58A4 detonation which violates the crew protection requirements of the ABV. The ACRM will automatically disconnect the arresting cable while under tension, throwing the cable clear of the vehicle immediately prior to M58A4 detonation. This functionality is critical to the ABV-Remote Control System

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
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program as no vehicle operator will be available to remove the arresting cable. ACRM capability will also be a requirement for robotic breaching concepts as described in emerging requirements such as the Common Engineer Chassis.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Prototype Integration for Multi-Domain Operations ***Description:*** Integrating prototype efforts to support force protection and signature management related to critical mission threads, operational constructs (Multi-Domain Operations) and key weapon system including responding to impending Army requirements. Effort will support capability and capacity to meet Army strategic guidance in support of the National Defense Strategy and other related Army efforts. The Tech Effects program is in response to Army priorities and guidance to support identified gaps for Army passive defense requirements. Tech Effects executes research, development, test, and evaluation (RDT&E) on passive defense capabilities, next generation devices, and technologies to support Army's ability to meet current and emerging requirements. Tech Effects integrates RDT&E prototypes with component programs for acquisition, sustainment and maintenance.	3.436	-	-
Title: Enhanced Robotics Payload - Render Safe (ERP-RS) ***Description:*** Develop a suite of three modular capabilities to provide an increased level of standoff, disruption capability, and dexterity to respond to current and emergent EOD, Chemical, Biological, Radiological and Nuclear (CBRN), and Engineer requirements. ***FY 2025 Plans:*** FY2025 funding will support the continued Phase 1 development of the precision aim module and multi-shot disruptor. The program will perform Phase 1 development testing. Documentation and preparations for Phase 1 Milestone C will begin. The program also plans to award the Phase 2 contract to develop the highly dexterous manipulation system. ***FY 2026 Plans:*** FY2026 funding will support the ongoing development of the PAM, MSD and HDMS. Program will support test and evaluation and interoperability of all payloads with HUGV platforms. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 decrease due to PAM and MSD capabilities transitioning into Milestone C. Funds will focus on HDMS development.	7.317	16.297	6.317
Title: MICLIC Wireless Initiation ***Description:*** Develop a wireless initiation system for the MICLIC based on the Army's currently fielded M152 Remote Activation Munition System (RAMS) to replace the current wired initiation system and wired fuze of the M58A4 Linear Demolition Charge. ***FY 2026 Plans:***	-	-	1.153

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
FY 2026 funding will support design completion and engineering testing of the 450FD wireless firing device prototype, developed by Army research labs, used in robotic breaching demonstrations in FY24. It will also support modification of the wired MICLIC Electronic Safe and Arm Device (ESAD) fuze to add wireless receiver components and complete engineering tests. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to beginning MICLIC Wireless Initiation in FY 2026. This effort is a new start in FY 2026.			
Title: ACRM Arresting Cable Release Mechanism ***Description:*** Qualify the design developed by the United States Marine Corps (USMC) for Army use. ***FY 2026 Plans:*** FY 2026 will initiate delta qualification of the ACRM developed by the USMC for Army use. ***FY 2025 to FY 2026 Increase/Decrease Statement:*** FY 2026 funding increase due to beginning the Arresting Cable Release Mechanism (ACRM). This effort is a new start in FY 2026.	-	-	0.500
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***Description:*** Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638	-	0.617	-
Accomplishments/Planned Programs Subtotals	10.753	16.914	7.970

	FY 2024	FY 2025
Congressional Add: Prototype Integration ***FY 2024 Accomplishments:*** The Congressional Add funding was received in July 2024, the funding will provide research, development, test, evaluation (RDTE), support and procurement for Information Operation systems and Signature Management efforts. ***FY 2025 Plans:*** The funding will continue to provide research, development, test, evaluation (RDTE), support and procurement for Information Operation systems and Signature Management efforts.	20.000	35.000
Congressional Adds Subtotals	20.000	35.000

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
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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
• R63811: *ENHANCED ROBOTIC PAYLOAD RENDER SAFE (ERP RS)*	-	-	1.087	-	1.087	-	-	-	-	-	-
• E75101: *Line Charge, M58 Series Mine Clearing f/MICLIC*	24.830	16.760	3.068	-	3.068	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Multi-Domain Operations (MDO) program utilizes existing government contract vehicles to integrate prototype efforts to support force protection and signature management related to critical mission threads, operational constructs and key weapons systems.

The Enhanced Robotics Payload - Render Safe (ERP-RS) program will leverage DEVCOM AC's Robotics Enhancement Program (REP) Science and Technology (S&T) and Small Business Innovation Research (SBIR) programs that developed technologies for ERP-RS to Tech Readiness Level (TRL) 6. The program will utilize existing, Other Transaction Agreements (OTA) contracts to integrate technologies and test competitive prototypes. New FAR based contracts will be set up for the production and deployment of each module. Initial first article test samples will undergo an operational assessment prior to full production.

MICLIC Wireless Initiation - The program will utilize a modified Government Off the Shelf approach to develop the technical solution. Designs will be completed by government personnel who had previously developed the M152 RAMS and MICLIC electronic safe and arm device fuze upon which the wireless initiation system will be based. Once designs are finalized, developmental tests will be conducted prior to re-type classifying the M916 MICLIC launcher to include this wireless functionality. Following qualification, a recapitalization effort will commence to integrate wireless transmitters and receivers into the M916 MICLIC launcher fleet. Should the effort pivot to an approved emerging breaching requirement, the program will conduct an analysis of alternatives to determine if the RAMS based GOTS initiation system is still the best fit and continue development of the selected alternative.

Arresting Cable Release Mechanism (ACRM) - The program will leverage prior design and testing completed by the USMC prior to their divestiture of the ABV. The FY26 effort should initiate the delta qualification and procure long lead components. Qualification of the USMC developed capability for Army use will be completed by 3Q FY 2028 with recapitalization/production efforts starting immediately after.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
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Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.617		-		-		-	0.000	0.617	-
		Subtotal	-	-		0.617		-		-		-	0.000	0.617	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ERP RS Development Contracts	C/CPFF	Various : Various	-	-		-		4.500	Jan 2026	-		4.500	0.000	4.500	-
MICLIC Wireless Initiation Engineering Development	MIPR	DEVCOM Army Research Laboratory : Adelphi, MD	-	-		-		0.500	Jan 2026	-		0.500	Continuing	Continuing	-
MICLIC Wireless Initiation Engineering Development	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.400	Jan 2026	-		0.400	Continuing	Continuing	-
ERP RS Development Contract	C/CPFF	SAVIT : Rockaway, NJ	-	2.955	Feb 2025	3.515	Jun 2025	-		-		-	0.000	6.470	-
ERP RS Development Contract	C/CPFF	Trident : Arlington, VA	-	1.965	Feb 2025	4.561	Apr 2025	-		-		-	0.000	6.526	-
ERP RS Development Contract	C/CPFF	Tech-X : Boulder, Colorado	-	0.815	Feb 2025	6.685	Apr 2025	-		-		-	0.000	7.500	-
Prototype Integration for Multi-Domain Opertions	TBD	TBD : TBD	30.865	23.436	Jan 2024	35.000	Jul 2025	-		-		-	0.000	89.301	Continuing
		Subtotal	30.865	29.171		49.761		5.400		-		5.400	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) 016 / *Close Combat Capabilities ENG DEV*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ERP RS Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	1.582	May 2024	1.300	May 2025	1.600	Oct 2025	-		1.600	Continuing	Continuing	-
ACRM Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	-	-		-		0.250	Oct 2025	-		0.250	0.000	0.250	-
ACRM Engineering Support	MIPR	NSWC Indian Head : Indian Head, MD	-	-		-		0.250	Oct 2025	-		0.250	0.000	0.250	-
ERP RS Integrated Logistics Support	MIPR	TACOM : Detroit Arsenal, MI	-	-		0.096		-		-		-	0.000	0.096	-
ERP RS Software Support	MIPR	NAVWAR : San Diego, CA	-	-		0.140	Apr 2025	-		-		-	0.000	0.140	-
		Subtotal	-	1.582		1.536		2.100		-		2.100	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ERP RS Test & Evaluation	MIPR	Army Test and Evaluation Command : Aberdeen Proving Ground, MD	-	-		-		0.217	Mar 2026	-		0.217	Continuing	Continuing	-
MICLIC Wireless Initiation Engineering Tests	MIPR	Yuma Test Center : Yuma, AZ	-	-		-		0.253	Jul 2026	-		0.253	0.000	0.253	-
		Subtotal	-	-		-		0.470		-		0.470	Continuing	Continuing	N/A

	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	30.865	30.753		51.914		7.970		-		7.970	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** 016 / *Close Combat Capabilities ENG DEV*

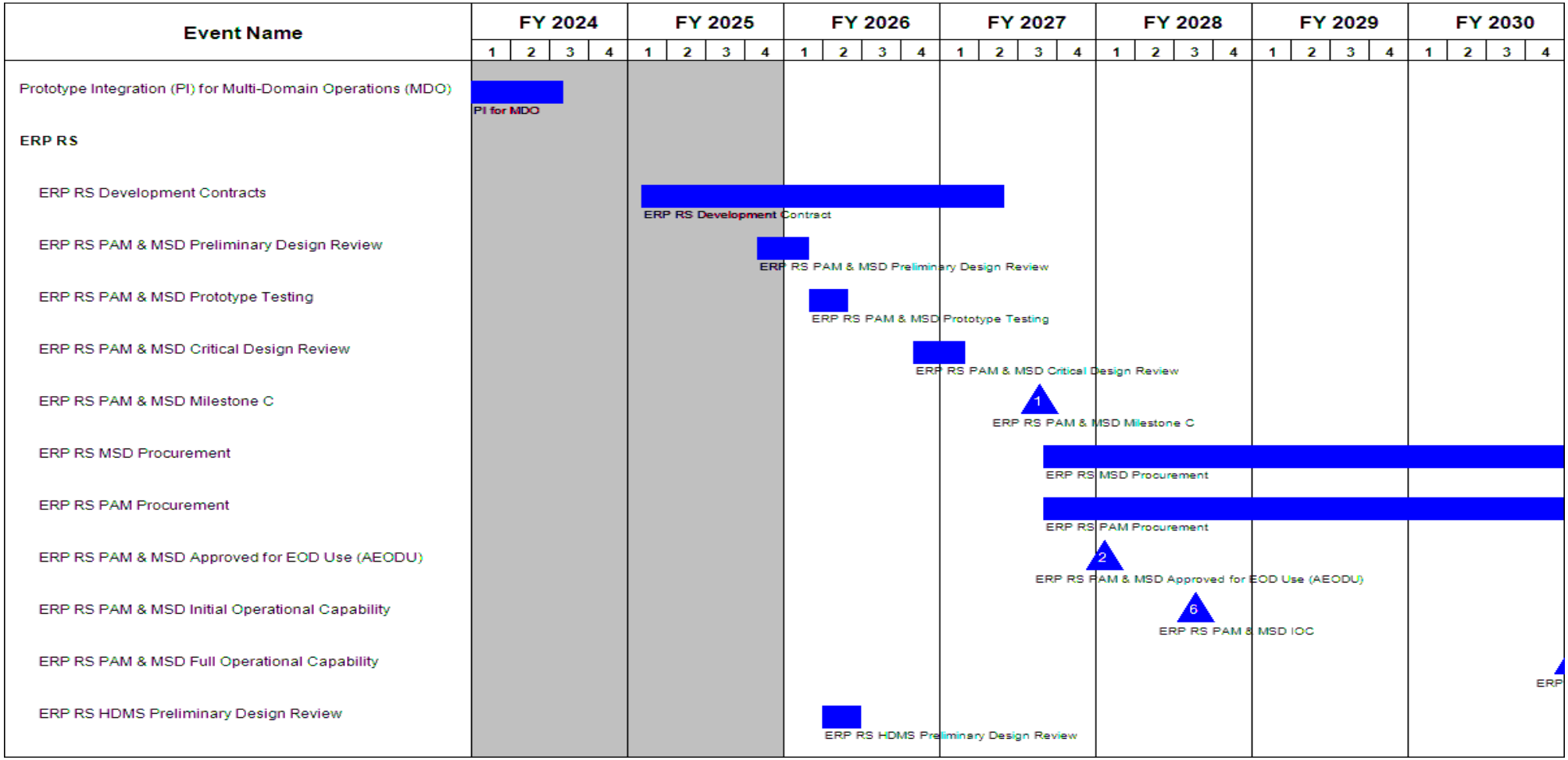

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** 016 / *Close Combat Capabilities ENG DEV*

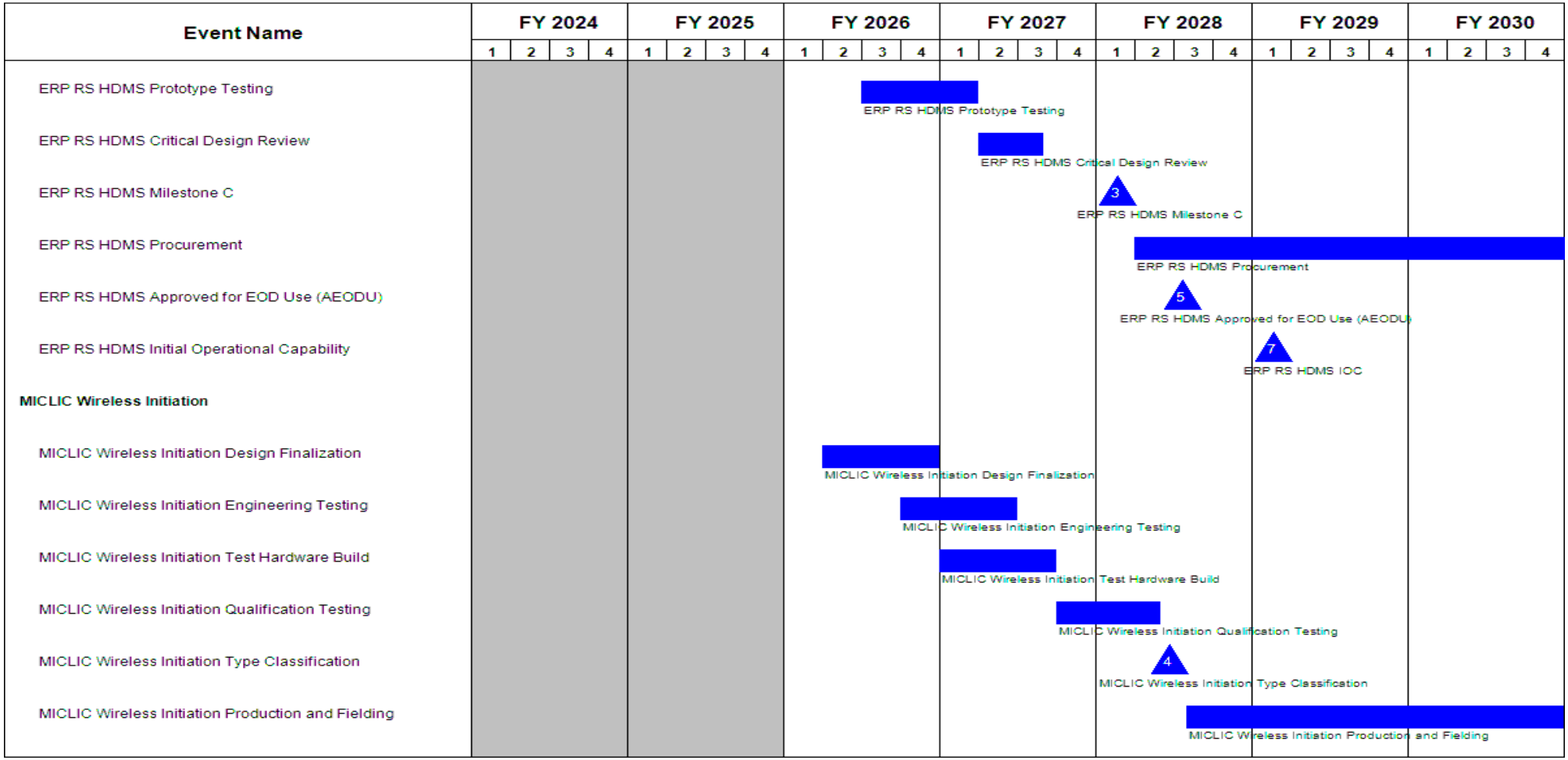

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** 016 / *Close Combat Capabilities ENG DEV*

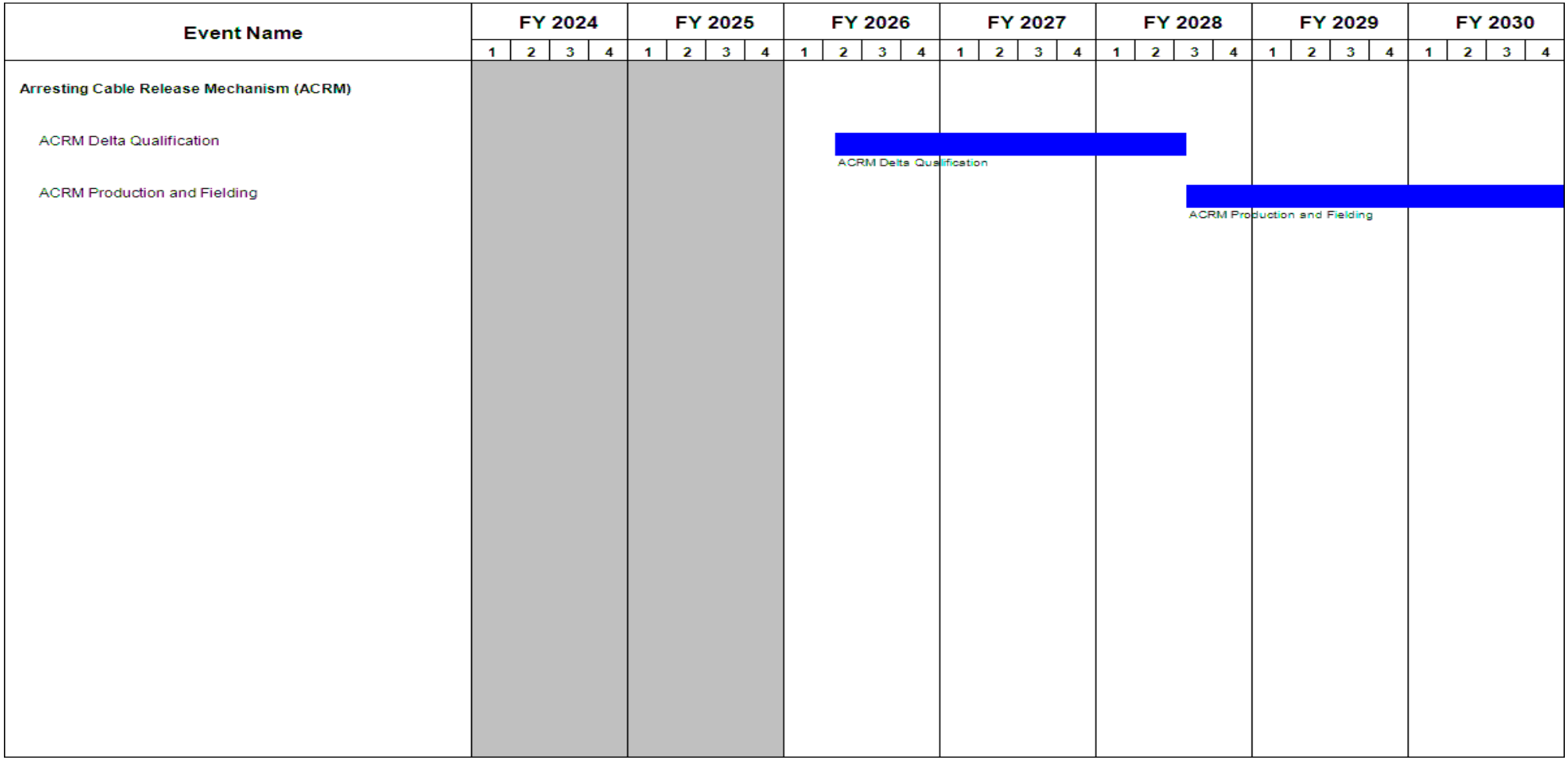

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** 016 / *Close Combat Capabilities ENG DEV*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Prototype Integration (PI) for Multi-Domain Operations (MDO)	3	2023	3	2024
Prototype Integration (PI) for Multi-Domain Operations (MDO) - Cong Add	3	2022	3	2023
ERP RS	3	2024	4	2027
ERP RS Development Contracts	1	2025	2	2027
ERP RS PAM & MSD Preliminary Design Review	4	2025	1	2026
ERP RS PAM & MSD Prototype Testing	1	2026	2	2026
ERP RS PAM & MSD Critical Design Review	4	2026	1	2027
ERP RS PAM & MSD Milestone C	3	2027	3	2027
ERP RS MSD Procurement	3	2027	4	2030
ERP RS PAM Procurement	3	2027	4	2030
ERP RS PAM & MSD Approved for EOD Use (AEODU)	1	2028	1	2028
ERP RS PAM & MSD Initial Operational Capability	3	2028	3	2028
ERP RS PAM & MSD Full Operational Capability	1	2031	1	2031
ERP RS HDMS Preliminary Design Review	2	2026	2	2026
ERP RS HDMS Prototype Testing	3	2026	1	2027
ERP RS HDMS Critical Design Review	2	2027	3	2027
ERP RS HDMS Milestone C	1	2028	1	2028
ERP RS HDMS Procurement	2	2028	3	2032
ERP RS HDMS Approved for EOD Use (AEODU)	3	2028	3	2028
ERP RS HDMS Initial Operational Capability	1	2029	1	2029
ERP RS HDMS Full Operational Capability	4	2032	4	2032
MICLIC Wireless Initiation	1	2026	4	2028

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** 016 / *Close Combat Capabilities ENG DEV*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
MICLIC Wireless Initiation Design Finalization	2	2026	4	2026
MICLIC Wireless Initiation Engineering Testing	4	2026	2	2027
MICLIC Wireless Initiation Test Hardware Build	1	2027	3	2027
MICLIC Wireless Initiation Qualification Testing	4	2027	2	2028
MICLIC Wireless Initiation Type Classification	2	2028	2	2028
MICLIC Wireless Initiation Production and Fielding	3	2028	4	2030
Arresting Cable Release Mechanism (ACRM)	1	2026	4	2026
ACRM Delta Qualification	2	2026	3	2028
ACRM Production and Fielding	3	2028	4	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*	

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
CS2: *Render Safe Sets Kits and Outfits (RS-SKO)*	-	0.971	2.220	1.892	-	1.892	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project CS2: Explosive Ordnance Disposal Render Safe - Sets Kits and Outfits (EOD RS-SKO) provides for the demonstration and evaluation of emerging technologies within requirements trade-space and capabilities needed for Explosive Ordnance Disposal (EOD) teams to Render Safe (RS) US and foreign ordnance and improvised explosive devices. Technical refresh of capabilities ensures Army 2030 formations maintain overmatch capability. EOD RS-SKO equips EOD teams with a suite of 11 capabilities needed to safely and effectively render safe explosive threats. Lessons learned from the Ukraine conflict show that the enemy/threat changes constantly so EOD RS-SKO capabilities must keep pace to ensure overmatch. Near term technical refresh priorities include improved load sets for the Electronic Countermeasures (Modi and AN/PLT-6(v)1) to ensure the most current threats are being countered allowing EOD Techs to safely approach/render safe explosive threats and enhanced deep-buried explosive hazard detection to allow EOD Techs to quickly and effectively clear their pathway and/or identify threats for render safe missions. This project will continue to support cross-service initiatives to increase commonality among information reporting and control systems.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Explosive Ordnance Disposal (EOD) Render Safe (RS)	0.971	2.139	1.892
FY 2025 Plans: FY 2025 funding will continue to support the tech refresh of the RS SKO capabilities to ensure Army 2030 formations maintain overmatch capability, address technology obsolescence, and assess solutions to provide increased effectiveness of the RS SKO components by focusing on objective space requirements. Software/firmware upgrades will be implemented, and troubleshooting will be conducted for dismounted electronic countermeasure system to maintain threat overmatch capability.			
FY 2026 Plans: FY 2026 funding will continue to support the component review for tech refresh of the RS SKO capabilities to ensure Army 2030 formations maintain overmatch capability, address technology obsolescence, and assess solutions to provide increased effectiveness of the RS SKO components by focusing on objective space requirements. Software/firmware upgrades will be implemented, and troubleshooting will be conducted for dismounted electronic countermeasure system to maintain threat overmatch capability. Funding will also be utilized to address the emerging demand for Artificial Intelligence and Machine Learning capabilities within the EOD community.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
FY 2026 funding decrease due to AN/PLT-6(v)1 transitioning from development to production. FY 2026 funding will support the ongoing RS SKO electronic countermeasure troubleshooting and loadset verification.			
Title: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)	-	0.081	-
Description: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) ***FY 2025 Plans:*** Funding transferred in accordance with Title 15 USC §638 ***FY 2025 to FY 2026 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC §638			
Accomplishments/Planned Programs Subtotals	0.971	2.220	1.892

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
• R63701: *Render Safe Sets Kits Outfits*	-	16.440	13.097	-	13.097	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Explosive Ordnance Disposal (EOD) Render Safe (RS) program utilizes existing government contract vehicles to acquire RS SKO Kits. C5ISR engineers provide support for all RS SKO electronic countermeasure (ECM) components such as the MODI and newly developed AN PLT-6v1. DEVCOM AC provides engineering support to the remaining RS SKO components and legacy EOD. PM-CCS will support C5ISR and DEVCOM AC efforts to stay informed on the latest technologies for the EOD community. The program will continue to use the existing government contract vehicles for the production and deployment phase as well as to continue the assessment of capabilities during technical refresh.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR	TBD	Various : Various	-	-		0.081		-		-		-	0.000	0.081	-
		Subtotal	-	-		0.081		-		-		-	0.000	0.081	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PLT-6 Engineering Change Proposal	MIPR	DEVCOM C5ISR Center : Aberdeen Proving Ground (APG), MD	-	-		0.375	Apr 2025	-		-		-	Continuing	Continuing	-
UAS Hardware	C/FFP	SAVIT : Rockaway, NJ	-	0.338	Aug 2024	-		-		-		-	0.000	0.338	-
		Subtotal	-	0.338		0.375		-		-		-	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
EOD RS - Engineering Support	MIPR	DEVCOM C5ISR Center : Aberdeen Proving Ground (APG), MD	0.078	0.166	Nov 2023	1.064	Apr 2025	1.000	Nov 2025	-		1.000	Continuing	Continuing	-
EOD-RS - Engineering Support	MIPR	DEVCOM Armaments Center : Picatinny Arsenal, NJ	0.958	0.467	Mar 2024	0.375		0.500	Nov 2025	-		0.500	Continuing	Continuing	-
Integrated Logistics Support	MIPR	TACOM : Detroit Arsenal, MI	-	-		0.050	Jan 2025	-		-		-	0.000	0.050	-
		Subtotal	1.036	0.633		1.489		1.500		-		1.500	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
EOD- RS Test & Evaluation	MIPR	ATEC - Yuma Test Center : Yuma, AZ	-	-		0.275	Jun 2025	0.392	May 2026	-		0.392	Continuing	Continuing	-
		Subtotal	-	-		0.275		0.392		-		0.392	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	1.036	0.971		2.220		1.892		-		1.892	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*

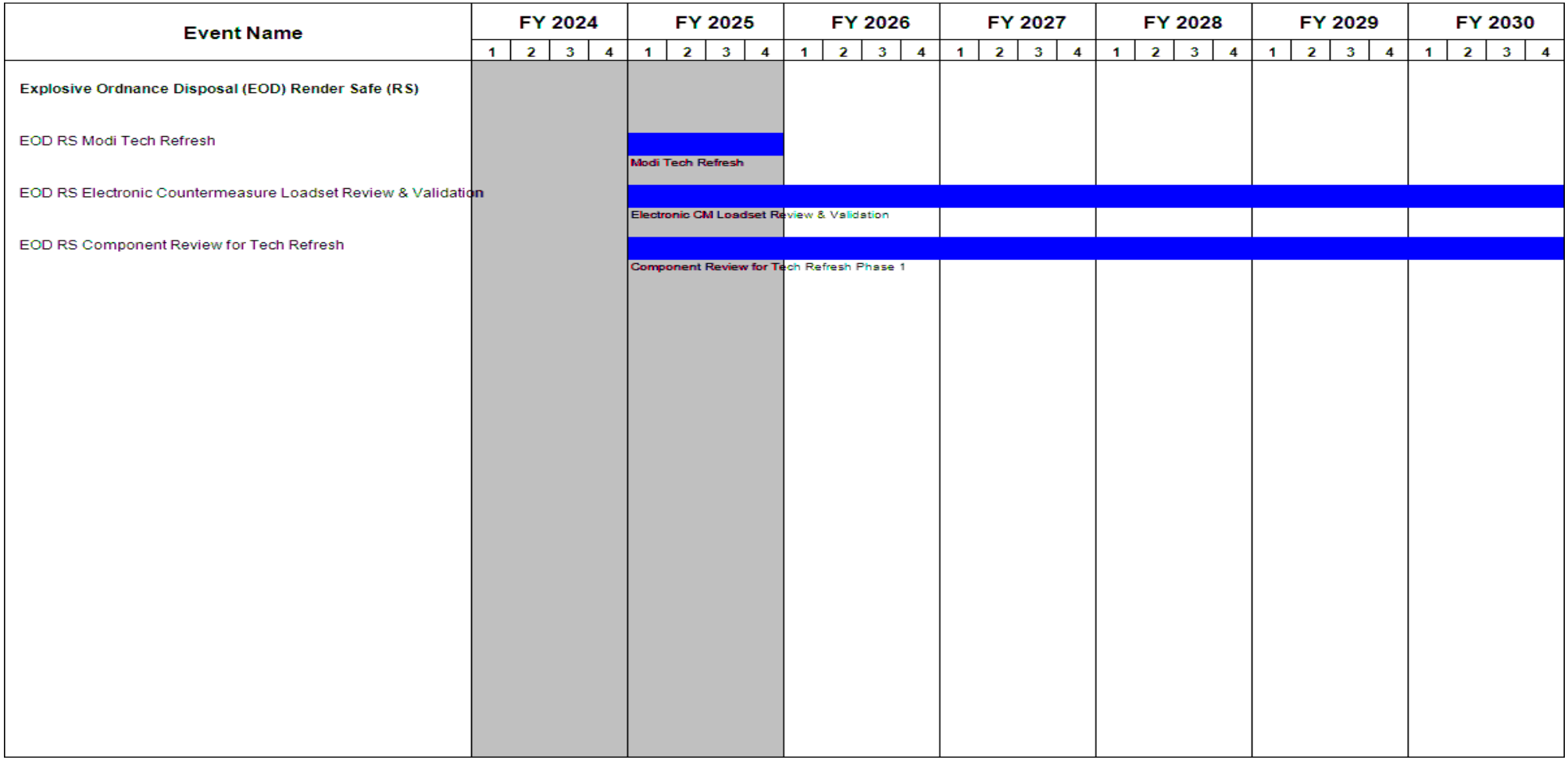

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS2 / *Render Safe Sets Kits and Outfits (RS-SKO)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Explosive Ordnance Disposal (EOD) Render Safe (RS)	1	2020	4	2040
EOD RS Modi Tech Refresh	1	2025	4	2025
EOD RS Electronic Countermeasure Loadset Review & Validation	1	2025	4	2030
EOD RS Component Review for Tech Refresh	1	2025	4	2030

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) CS3 / *Next Generation Advanced Bomb Suit (NGABS)*	

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
CS3: *Next Generation Advanced Bomb Suit (NGABS)*	-	1.361	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this project supports the Soldier Lethality Cross Functional Team (CFT).

The NGABS program directly contributes to Soldier lethality and ground force commander freedom of maneuver by providing next generation sensor and optics in the cutting-edge Heads-Up-Display (HUD) while integrating the Government's latest investments in protective material for the modular, scalable NGABS bomb suit development. NGABS will increase the Warfighter survivability and mobility by optimizing Soldier protection for EOD personnel, while effectively managing all life cycle aspects of Personal Protective Equipment (PPE). Warfighter lethality is increased through bomb suit weight reduction utilizing extensive investments in protective material research and development. The result is material solutions that are lighter and are pieced together in a manner which increases Soldier mobility and longevity. EOD Soldier situational awareness and exposure to ballistic threats is enhanced through the NGABS HUD which allows the Soldier increased visibility under various obscurants and low/no-light situations.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2024	FY 2025	FY 2026
Title: Next Generation Advanced Bomb Suit (NGABS)	1.361	-	-
Description: The objective of this effort is to increase the Warfighter lethality, modularity, and mobility, by optimizing Soldier protection and situational awareness for EOD personnel. The mission of this program is to enhance the tactical utility and applicability of this bomb suit concept by incorporating modularity/scalability and sensor technologies that are non-existent in legacy designs. This new, tailorable, full body protective system will provide a significantly increased capability at a reduced weight.			
Accomplishments/Planned Programs Subtotals	1.361	-	-

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 - 121017000: *Central Issue Facilities/Initial Issue: Organizational Clothing and Equip*	17.205	-	-	-	-	-	-	-	-	-	-

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS3 / *Next Generation Advanced Bomb Suit (NGABS)*

D. Acquisition Strategy

The Next Generation Advanced Bomb Suit (NGABS) Program utilizes a competitive, developmental, innovative and efficient Other Transaction Authority (OTA) in EMD through the Fort Belvoir Sensor Communication and Electronic Consortium (SCEC) which will result in a production ready prototype leading to a Production and Deployment (PD) phase for full capability while ensuring best value to the Army.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	Project (Number/Name) CS3 / *Next Generation Advanced Bomb Suit (NGABS)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Allot	PdM SPE : Fort Belvoir	0.256	0.251		-		-		-		-	0.000	0.507	Continuing
		Subtotal	0.256	0.251		-		-		-		-	0.000	0.507	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
NGABS - Production Prototype Development	C/FFP	TBD : Manufacturing Techniques Inc. (MTEQ), Lorton, VA	1.693	0.981		-		-		-		-	0.000	2.674	Continuing
		Subtotal	1.693	0.981		-		-		-		-	0.000	2.674	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2024 Cost	FY 2024 Award Date	FY 2025 Cost	FY 2025 Award Date	FY 2026 Base Cost	FY 2026 Base Award Date	FY 2026 OOC Cost	FY 2026 OOC Award Date	FY 2026 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
NGABS Test & Evaluation	Allot	TBD : Various	0.301	0.129		-		-		-		-	0.000	0.430	Continuing
		Subtotal	0.301	0.129		-		-		-		-	0.000	0.430	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	2.250	1.361		-		-		-		-	0.000	3.611	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS3 / *Next Generation Advanced Bomb Suit (NGABS)*

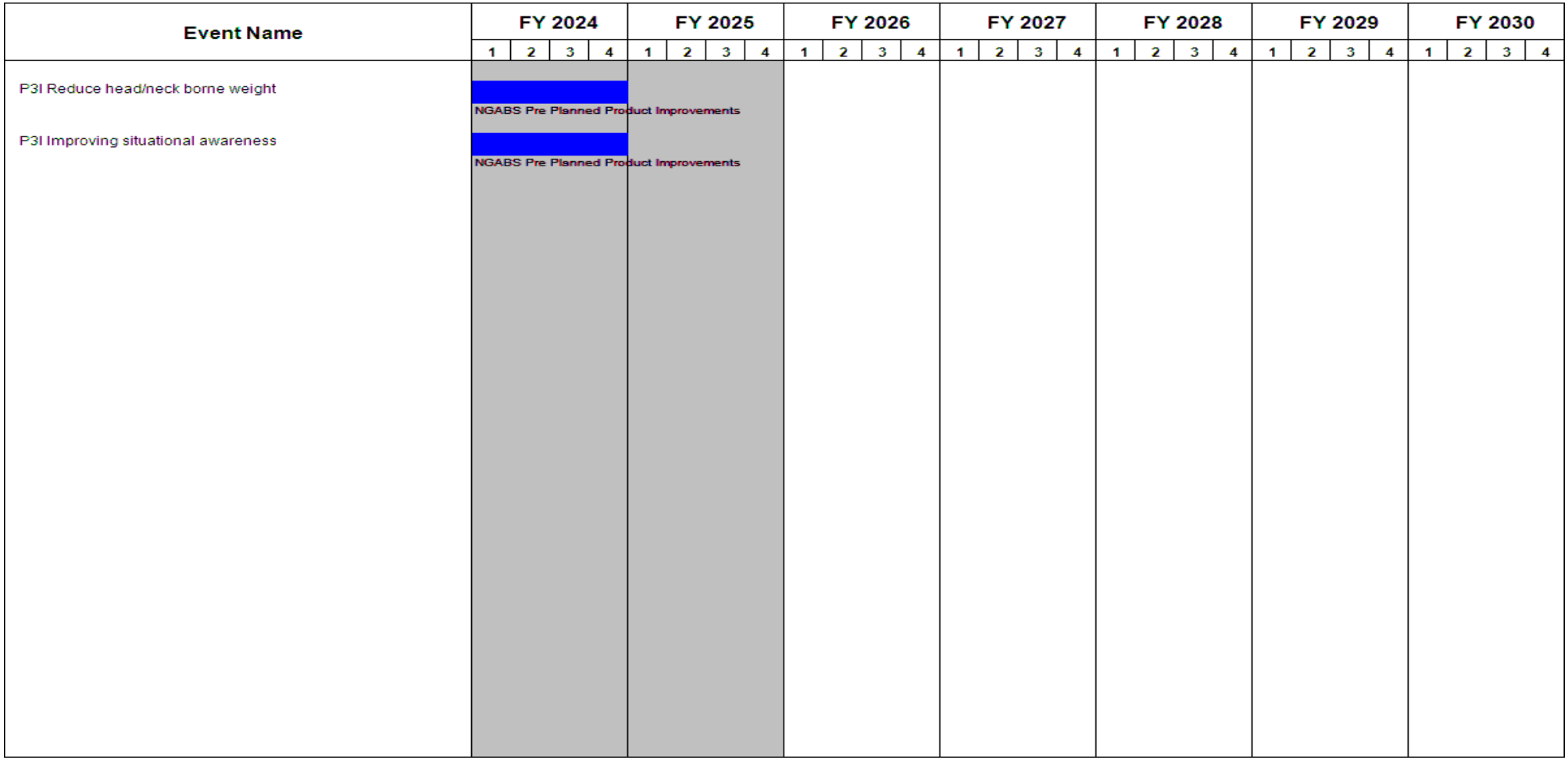

Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604808A / *Landmine Warfare/Barrier - Eng Dev*	**Project (Number/Name)** CS3 / *Next Generation Advanced Bomb Suit (NGABS)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
P3I Reduce head/neck borne weight	1	2023	4	2024
P3I Improving situational awareness	1	2023	4	2024