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

June 2025



Army

Justification Book Volume 2b of 2

Research, Development, Test & Evaluation, Army

RDT&E – Volume II, Budget Activity 4B

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Army • Budget Estimates FY 2026 • RDT&E Program

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

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

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

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

COST STATEMENT

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

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FY 2026 RDT&E, ARMY PROGRAM ELEMENT DESCRIPTIVE SUMMARIES
Introduction and Explanation of Contents

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

New Start Programs:

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

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

Program Terminations (including transfers to Procurement and Sustainment):

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

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

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

Jun 2025

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

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Department of Defense
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Jun 2025

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

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Department of the Army
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Jun 2025

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

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

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20	0602181A	All Domain Convergence Applied Research	02	U	13,775	12,269		12,269			
21	0602182A	C3I Applied Research	02	U	31,635	25,839		25,839	22,317		22,317
22	0602183A	Air Platform Applied Research	02	U	53,611	48,854		43,854	53,305		53,305
23	0602184A	Soldier Applied Research	02	U	17,622	14,131		14,131	27,597		27,597
24	0602213A	C3I Applied Cyber	02	U	20,664	28,656		23,656	4,716		4,716
25	0602275A	Electronic Warfare Applied Research	02	U					45,415		45,415
26	0602276A	Electronic Warfare Cyber Applied Research	02	U					17,102		17,102
27	0602345A	Unmanned Aerial Systems Launched Effects Applied Research	02	U					18,408		18,408
28	0602386A	Biotechnology for Materials - Applied Research	02	U	16,060	11,780		11,780	8,209		8,209
30	0602785A	Manpower/Personnel/Training Technology	02	U	19,667	19,795		19,795	17,191		17,191
31	0602787A	Medical Technology	02	U	139,515	68,481		68,481	143,293		143,293
999	999999999	Classified Programs	02	U		35,766		35,766	34,599		34,599
		Applied Research			1,690,089	1,162,089		1,162,089	860,545		860,545
32	0603002A	Medical Advanced Technology	03	U	18,730	8,112		8,112	1,860		1,860
33	0603007A	Manpower, Personnel and Training Advanced Technology	03	U	15,845	16,716		16,716	13,559		13,559
34	0603025A	Army Agile Innovation and Demonstration	03	U	25,513	14,608		14,608	19,679		19,679
35	0603040A	Artificial Intelligence and Machine Learning Advanced Technologies	03	U	23,909	30,263		30,263	20,487		20,487
36	0603041A	All Domain Convergence Advanced Technology	03	U	26,721	23,722		23,722	10,560		10,560
37	0603042A	C3I Advanced Technology	03	U	18,590	21,889		21,889	15,028		15,028

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38	0603043A	Air Platform Advanced Technology	03	U	13,648	17,076		17,076	41,266		41,266
39	0603044A	Soldier Advanced Technology	03	U	1,170	14,094		14,094	18,143		18,143
40	0603116A	Lethality Advanced Technology	03	U	70,529	49,629		49,629	13,232		13,232
41	0603117A	Army Advanced Technology Development	03	U	140,980						
42	0603118A	Soldier Lethality Advanced Technology	03	U	125,951	98,032		98,032	95,186		95,186
43	0603119A	Ground Advanced Technology	03	U	276,299	87,775		87,775	30,507		30,507
44	0603134A	Counter Improvised-Threat Simulation	03	U	20,965	21,398		21,398	15,692		15,692
45	0603135A	Counter Small Unmanned Aerial Systems (C-SUAS) Advanced Technology	03	U					7,773		7,773
46	0603275A	Electronic Warfare Advanced Technology	03	U					83,922		83,922
47	0603276A	Electronic Warfare Cyber Advanced Technology	03	U					15,254		15,254
48	0603345A	Unmanned Aerial Systems Launched Effects Advanced Technology Development	03	U					13,898		13,898
49	0603386A	Biotechnology for Materials - Advanced Research	03	U	57,686	36,360		36,360	24,683		24,683
50	0603457A	C3I Cyber Advanced Development	03	U	28,275	39,616		39,616	3,329		3,329
51	0603461A	High Performance Computing Modernization Program	03	U	246,739	239,597		239,597	241,855		241,855
52	0603462A	Next Generation Combat Vehicle Advanced Technology	03	U	433,324	254,662		254,662	141,301		141,301
53	0603463A	Network C3I Advanced Technology	03	U	214,351	142,224		142,224	78,539		78,539
54	0603464A	Long Range Precision Fires Advanced Technology	03	U	233,806	164,943		164,943	162,236		162,236

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55	0603465A	Future Vertical Lift Advanced Technology	03	U	219,137	175,369		175,369	66,686		66,686
56	0603466A	Air and Missile Defense Advanced Technology	03	U	98,784	61,333		61,333	23,330		23,330
58	0603920A	Humanitarian Demining	03	U	22,737	23,272		23,272	9,349		9,349
999	999999999	Classified Programs	03	U		155,526		155,526	72,837		72,837
	Advanced Technology Development				2,333,689	1,696,216		1,696,216	1,240,191		1,240,191
60	0603305A	Army Missile Defense Systems Integration	04	U	48,763	20,031		20,031	8,141		8,141
61	0603308A	Army Space Systems Integration	04	U	28,813	29,659		29,659	83,080		83,080
62	0603327A	Air and Missile Defense Systems Engineering	04	U	13,000	30,000		30,000			
63	0603619A	Landmine Warfare and Barrier - Adv Dev	04	U	60,202	60,617		60,617	41,516		41,516
64	0603639A	Tank and Medium Caliber Ammunition	04	U	90,139	102,027		102,027	85,472	100,000	185,472
65	0603645A	Armored System Modernization - Adv Dev	04	U	54,456	23,235		23,235	22,645		22,645
66	0603747A	Soldier Support and Survivability	04	U	3,420	4,059		4,059	4,033		4,033
67	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	U	72,259	87,765		87,765	107,525		107,525
68	0603774A	Night Vision Systems Advanced Development	04	U	41,941	20,714		20,714	5,153		5,153
69	0603779A	Environmental Quality Technology - Dem/Val	04	U	19,369	23,299		23,299	11,343		11,343
70	0603790A	NATO Research and Development	04	U	3,987	4,184		4,184	5,031		5,031
71	0603801A	Aviation - Adv Dev	04	U	1,452,331	4,943		4,943			
72	0603804A	Logistics and Engineer Equipment - Adv Dev	04	U	22,846	19,995		19,995	15,435		15,435
73	0603807A	Medical Systems - Adv Dev	04	U	7,999	582		582	1,000		1,000

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74	0603827A	Soldier Systems - Advanced Development	04	U	41,551	24,284		24,284	41,856		41,856
75	0604017A	Robotics Development	04	U	2,912	13,039		13,039	35,082		35,082
76	0604019A	Expanded Mission Area Missile (EMAM)	04	U	109,752	83,516		83,516	178,137	99,000	277,137
77	0604020A	Cross Functional Team (CFT) Advanced Development & Prototyping	04	U	61,779	40,409		40,409			
78	0604035A	Low Earth Orbit (LEO) Satellite Capability	04	U	37,433	21,935		21,935	17,063		17,063
79	0604036A	Multi-Domain Sensing System (MDSS) Adv Dev	04	U	185,831	188,228		188,228	239,813		239,813
80	0604037A	Tactical Intel Targeting Access Node (TITAN) Adv Dev	04	U	10,626	4,317		4,317	3,092		3,092
81	0604100A	Analysis Of Alternatives	04	U	10,690	11,234		11,234	9,865		9,865
82	0604101A	Small Unmanned Aerial Vehicle (SUAV) (6.4)	04	U	4,956	1,800		1,800			
83	0604103A	Electronic Warfare Planning and Management Tool (EWPMT)	04	U	2,260	2,004		2,004			
84	0604113A	Future Tactical Unmanned Aircraft System (FTUAS)	04	U	67,143	127,870		127,870			
85	0604114A	Lower Tier Air Missile Defense (LTAMD) Sensor	04	U	511,014	127,428		127,428	196,448	14,000	210,448
86	0604115A	Technology Maturation Initiatives	04	U	244,710	252,000		252,000	267,619		267,619
87	0604117A	Maneuver - Short Range Air Defense (M-SHORAD)	04	U	290,256	274,542		274,542	238,247	60,120	298,367
88	0604119A	Army Advanced Component Development & Prototyping	04	U	204,914						
89	0604120A	Assured Positioning, Navigation and Timing (PNT)	04	U	39,223	24,168		24,168	8,686		8,686
90	0604121A	Synthetic Training Environment Refinement & Prototyping	04	U	115,519	115,140		115,140	240,899		240,899

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91	0604134A	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04	U	15,826	17,341		17,341	5,491		5,491
92	0604135A	Strategic Mid-Range Fires	04	U	25,342				231,401		231,401
93	0604182A	Hypersonics	04	U	201,193				25,000		25,000
94	0604386A	Biotechnology for Materials - Dem/Val	04	U		10,651		10,651			
95	0604403A	Future Interceptor	04	U	3,899	8,058		8,058	8,019	144,000	152,019
97	0604531A	Counter - Small Unmanned Aircraft Systems Advanced Development	04	U	54,854	79,983		79,983	45,281		45,281
99	0604541A	Unified Network Transport	04	U	47,233	31,837		31,837	29,191		29,191
100	0305251A	Cyberspace Operations Forces and Force Support	04	U	74	2,270		2,270	5,605		5,605
999	999999999	Classified Programs	04	U	19,200	277,181		277,181	203,746		203,746
	Advanced Component Development & Prototypes				4,227,715	2,170,345		2,170,345	2,420,915	417,120	2,838,035
101	0604201A	Aircraft Avionics	05	U	21,173	7,171		7,171	2,696		2,696
102	0604270A	Electronic Warfare Development	05	U	12,310	33,247		33,247	9,153		9,153
103	0604601A	Infantry Support Weapons	05	U	80,777	57,686		57,686	56,553		56,553
104	0604604A	Medium Tactical Vehicles	05	U	17,561	3,565		3,565	18,503		18,503
105	0604611A	JAVELIN	05	U	7,541	10,405		10,405	9,810		9,810
106	0604622A	Family of Heavy Tactical Vehicles	05	U	40,175	34,690		34,690	47,064		47,064
107	0604633A	Air Traffic Control	05	U	11,093	982		982			
108	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	05	U	136,937	92,540		92,540			
109	0604642A	Light Tactical Wheeled Vehicles	05	U	3,394	3,000		3,000			
110	0604645A	Armored Systems Modernization (ASM) - Eng Dev	05	U	95,580	48,097		48,097	16,593		16,593
111	0604710A	Night Vision Systems - Eng Dev	05	U	145,135	139,309		139,309	351,274		351,274

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112	0604713A	Combat Feeding, Clothing, and Equipment	05	U	2,170	3,286		3,286	5,654		5,654
113	0604715A	Non-System Training Devices - Eng Dev	05	U	20,585	28,427		28,427	19,063		19,063
114	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	U	86,990	73,653		73,653	13,892		13,892
115	0604742A	Constructive Simulation Systems Development	05	U	29,854	30,097		30,097	7,790		7,790
116	0604746A	Automatic Test Equipment Development	05	U	13,129	12,927		12,927	9,512		9,512
117	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev	05	U	8,481	8,914		8,914	7,724		7,724
118	0604798A	Brigade Analysis, Integration and Evaluation	05	U	21,750	26,352		26,352	24,318		24,318
119	0604802A	Weapons and Munitions - Eng Dev	05	U	270,231	251,949		251,949	150,344		150,344
120	0604804A	Logistics and Engineer Equipment - Eng Dev	05	U	58,554	46,829		46,829	50,194		50,194
121	0604805A	Command, Control, Communications Systems - Eng Dev	05	U	47,965	92,300		92,300	63,725		63,725
122	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	U	10,984	7,143		7,143	6,252		6,252
123	0604808A	Landmine Warfare/Barrier - Eng Dev	05	U	33,085	54,134		54,134	9,862		9,862
124	0604818A	Army Tactical Command & Control Hardware & Software	05	U	154,317	134,162		134,162	430,895	2,430	433,325
125	0604820A	Radar Development	05	U	78,363	41,584		41,584	53,226	18,000	71,226
126	0604822A	General Fund Enterprise Business System (GFEBS)	05	U	16,011	1,995		1,995			
127	0604827A	Soldier Systems - Warrior Dem/Val	05	U	18,892	29,132		29,132	4,137		4,137
128	0604852A	Suite of Survivability Enhancement Systems - EMD	05	U	70,384	77,864		77,864	76,903		76,903

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129	0604854A	Artillery Systems - EMD	05	U	45,939	42,479		42,479	80,862		80,862
130	0605013A	Information Technology Development	05	U	96,090	102,704		102,704	125,701		125,701
131	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	U	86,914	121,354		121,354	164,600		164,600
132	0605030A	Joint Tactical Network Center (JTNC)	05	U	17,981	20,191		20,191	20,954		20,954
133	0605031A	Joint Tactical Network (JTN)	05	U	29,221	31,214		31,214	41,696		41,696
134	0605035A	Common Infrared Countermeasures (CIRCM)	05	U	10,959	11,691		11,691	10,789		10,789
135	0605036A	Combating Weapons of Mass Destruction (CWMD)	05	U	1,012	7,846		7,846	13,322		13,322
136	0605037A	Evidence Collection and Detainee Processing	05	U					4,619		4,619
137	0605038A	Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) Sensor Suite	05	U		7,886		7,886	13,459		13,459
138	0605041A	Defensive CYBER Tool Development	05	U	13,386	4,176		4,176	3,611		3,611
139	0605042A	Tactical Network Radio Systems (Low-Tier)	05	U	4,160	4,288		4,288	3,222		3,222
140	0605047A	Contract Writing System	05	U	12,390	9,276		9,276	8,101		8,101
141	0605049A	Missile Warning System Modernization (MWSM)	05	U	19,508						
142	0605051A	Aircraft Survivability Development	05	U	23,991	38,225		38,225	44,182		44,182
143	0605052A	Indirect Fire Protection Capability Inc 2 - Block 1	05	U	172,705	140,912		140,912	248,659		248,659
144	0605053A	Ground Robotics	05	U	26,704	28,378		28,378	227,038		227,038
145	0605054A	Emerging Technology Initiatives	05	U	115,356	126,658		126,658	57,546	87,000	144,546
146	0605144A	Next Generation Load Device - Medium	05	U	36,970	2,931		2,931	24,492		24,492

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147	0605148A	Tactical Intel Targeting Access Node (TITAN) EMD	05	U	128,784	149,112		149,112	44,273		44,273
148	0605203A	Army System Development & Demonstration	05	U	81,657						
149	0605205A	Small Unmanned Aerial Vehicle (SUAV) (6.5)	05	U	20,865	24,474		24,474			
150	0605206A	CI and HUMINT Equipment Program-Army (CIHEP-A)	05	U	2,170	1,296		1,296			
151	0605216A	Joint Targeting Integrated Command and Coordination Suite (JTIC2S)	05	U	8,951	21,415		21,415			
152	0605224A	Multi-Domain Intelligence	05	U	23,605	18,913		18,913	34,844		34,844
153	0605231A	Precision Strike Missile (PrSM)	05	U	262,829	184,046		184,046		197,184	197,184
154	0605232A	Hypersonics EMD	05	U	772,174	469,775		469,775	513,027		513,027
155	0605233A	Accessions Information Environment (AIE)	05	U	26,362	32,265		32,265	32,710		32,710
156	0605235A	Strategic Mid-Range Capability	05	U	255,121	182,823		182,823	186,304		186,304
157	0605236A	Integrated Tactical Communications	05	U	18,065	12,224		12,224	22,732		22,732
158	0605241A	Future Long Range Assault Aircraft Development	05	U		1,253,637		1,253,637	1,248,544		1,248,544
159	0605242A	Theater SIGINT System (TSIGS)	05	U		3,660		3,660			
160	0605244A	Joint Reduced Range Rocket (JR3)	05	U		13,565		13,565	28,893		28,893
161	0605247A	Spectrum Situational Awareness System (S2AS)	05	U		4,665		4,665			
162	0605450A	Joint Air-to-Ground Missile (JAGM)	05	U	2,904	3,030		3,030			
163	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05	U	285,411	587,068		587,068	146,056		146,056
164	0605531A	Counter - Small Unmanned Aircraft Systems Sys Dev & Demonstration	05	U	34,701	59,563		59,563	55,196		55,196
166	0605625A	Manned Ground Vehicle	05	U	565,047	499,478		499,478	386,393		386,393

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167	0605766A	National Capabilities Integration (MIP)	05	U	15,129	16,565		16,565	16,913		16,913
168	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Phase (EMD)	05	U					2,664		2,664
169	0605830A	Aviation Ground Support Equipment	05	U	1,124	979		979	930		930
170	0303032A	TROJAN - RH12	05	U	3,879	3,930		3,930	3,920		3,920
171	0303767A	AMBIT - Pre-Auctioned SRF	05	U	20,791						
172	0304270A	Electronic Warfare Development	05	U	133,834	81,232		81,232			
999	999999999	Classified Programs	05	U		83,136		83,136	117,428		117,428
	System Development & Demonstration				4,890,110	5,758,500		5,758,500	5,378,817	304,614	5,683,431
173	0604256A	Threat Simulator Development	06	U	71,587	75,298		75,298	74,767		74,767
174	0604258A	Target Systems Development	06	U	33,940	27,788		27,788	16,004		16,004
175	0604759A	Major T&E Investment	06	U	87,687	98,613		98,613	101,027		101,027
176	0605103A	Rand Arroyo Center	06	U	35,312	38,122		38,122	10,892		10,892
177	0605301A	Army Kwajalein Atoll	06	U	341,771	321,755	41,400	363,155	379,283		379,283
178	0605326A	Concepts Experimentation Program	06	U	86,765	80,845		80,845	58,606		58,606
179	0605502A	Small Business Innovative Research	06	U	409,981						
180	0605601A	Army Test Ranges and Facilities	06	U	441,173	466,085		466,085	425,108		425,108
181	0605602A	Army Technical Test Instrumentation and Targets	06	U	45,679	74,004		74,004	69,328		69,328
182	0605604A	Survivability/Lethality Analysis	06	U	37,005	36,815		36,815	31,306		31,306
183	0605606A	Aircraft Certification	06	U	2,718	2,201		2,201	1,887		1,887
184	0605706A	Materiel Systems Analysis	06	U	23,402	23,338		23,338	19,100		19,100
185	0605709A	Exploitation of Foreign Items	06	U	7,805	6,245		6,245	6,277		6,277

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186	0605712A	Support of Operational Testing	06	U	74,128	76,088		76,088	63,637		63,637
187	0605716A	Army Evaluation Center	06	U	71,118	73,220		73,220	62,343		62,343
188	0605718A	Army Modeling & Sim X-Cmd Collaboration & Integ	06	U	6,136	11,257		11,257	11,825		11,825
189	0605801A	Programwide Activities	06	U	86,384	91,895		91,895	54,172		54,172
190	0605803A	Technical Information Activities	06	U	30,422	32,385		32,385	26,592		26,592
191	0605805A	Munitions Standardization, Effectiveness and Safety	06	U	56,069	50,766		50,766	44,465		44,465
192	0605857A	Environmental Quality Technology Mgmt Support	06	U	1,570	1,659		1,659	2,857		2,857
193	0605898A	Army Direct Report Headquarters - R&D - MHA	06	U	55,497	59,727		59,727	53,436		53,436
194	0606002A	Ronald Reagan Ballistic Missile Defense Test Site	06	U	89,911	73,400		73,400	72,302		72,302
195	0606003A	CounterIntel and Human Intel Modernization	06	U	6,348	9,574		9,574	5,660		5,660
196	0606118A	AIAMD Software Development & Integration	06	U					358,854	103,000	461,854
197	0606942A	Assessments and Evaluations Cyber Vulnerabilities	06	U	6,025	10,105		10,105	6,354		6,354
198	0909999A	Financing for Cancelled Account Adjustments	06	U	669						
	Management Support				2,109,102	1,741,185	41,400	1,782,585	1,956,082	103,000	2,059,082
199	0603778A	MLRS Product Improvement Program	07	U	13,937	14,188		14,188	14,639		14,639
200	0605024A	Anti-Tamper Technology Support	07	U	7,274	7,489		7,489	6,449		6,449
201	0607101A	Combating Weapons of Mass Destruction (CWMD) Product Improvement	07	U		271		271	115		115
202	0607131A	Weapons and Munitions Product Improvement Programs	07	U	61,735	31,563		31,563	13,687		13,687

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203	0607136A	Blackhawk Product Improvement Program	07	U	40,923	125,000		125,000	23,998		23,998
204	0607137A	Chinook Product Improvement Program	07	U	20,386	4,816		4,816	10,859		10,859
205	0607139A	Improved Turbine Engine Program	07	U	182,204	130,029		130,029			
206	0607142A	Aviation Rocket System Product Improvement and Development	07	U	2,904						
207	0607143A	Unmanned Aircraft System Universal Products	07	U	24,466	24,539		24,539			
208	0607145A	Apache Future Development	07	U	44,762	8,243		8,243	44,371		44,371
209	0607148A	AN/TPQ-53 Counterfire Target Acquisition Radar System	07	U	52,190	53,652		53,652	43,054		43,054
210	0607150A	Intel Cyber Development	07	U	4,345	9,753		9,753	13,129		13,129
211	0607212A	TENCAP Enhancements	07	U						6,800	6,800
212	0607312A	Army Operational Systems Development	07	U	19,000						
213	0607313A	Electronic Warfare Development	07	U	6,389	5,559		5,559			
215	0607665A	Family of Biometrics	07	U	768	590		590	1,594		1,594
216	0607865A	Patriot Product Improvement	07	U	170,729	168,458		168,458	183,763	15,000	198,763
217	0203728A	Joint Automated Deep Operation Coordination System (JADOCS)	07	U	37,535	27,582		27,582	8,424		8,424
218	0203735A	Combat Vehicle Improvement Programs	07	U	223,719	326,579		326,579	744,085		744,085
219	0203743A	155mm Self-Propelled Howitzer Improvements	07	U	22,066	47,870		47,870	107,826		107,826
220	0203752A	Aircraft Engine Component Improvement Program	07	U	146	142		142	237		237
221	0203758A	Digitization	07	U	1,460	1,562		1,562	1,013		1,013
222	0203801A	Missile/Air Defense Product Improvement Program	07	U	4,203	1,511		1,511	1,338		1,338

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

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*All figures in this exhibit are for the FY 2026 discretionary appropriations
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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604020A I Cross Functional Team (CFT) Advanced Development & 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
Total Program Element	-	61.779	40.409	-	-	0.000	-	-	-	-	-	-
DC8: Army Experimentation and Prototyping	-	61.779	40.409	-	-	-	-	-	-	-	-	-

Note

Project DC8 Army Experimentation and Prototyping was terminated in FY2026.

A. Mission Description and Budget Item Justification

This Program Element (PE) is the Army led scope of the Rapid Defense Experimentation Reserve (RDER) initiative. To facilitate rapid modernization of the force, the RDER initiative was established in the Defense Planning Guidance for Fiscal Year 2023-2027, to encourage multi-component experimentation through a campaign of learning. Services, Agencies, and other participating organizations are to identify "best of breed" capabilities developed among the DoD prototyping programs and execute approved projects through large-scale experiments in order to refine and/or validate the Joint Warfighting Concept (JWC). Organizations are to nominate proposals to the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)) that are multi-component - involving Joint Services, International partners and/or other government agencies - and link to one or more of the four key supporting concepts ("functional battles") of the Joint Warfighting Concept: Joint Concept for Fires, Joint Concept for Command and Control, Joint Concept for Contested Logistics, and Joint Concept for Information Advantage.

Army lead experimentation outcomes will be designed to validate required capabilities enabling the JWC by evaluating and integrating prototyped technologies in operationally relevant, multi-domain environments. Experimentation results will facilitate Joint Staff analysis in the evaluation of the Joint Warfighting Concept, assist the Joint Requirements Oversight Counsel in requirements determination, and inform the Deputy's Management Action Group to make budget decisions that affect changes throughout the Department.

The cited work is consistent with the Under Secretary of Defense, Research and Engineering science and the JWC.

Work in this PE is performed by the United States (U.S.) Army and other Service laboratories and research centers, U.S. Army and Joint Program Executive Offices and Program Management Offices.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	117.557	63.831	0.000	-	0.000
Current President's Budget	61.779	40.409	0.000	-	0.000
Total Adjustments	-55.778	-23.422	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-53.438	-23.422			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.001	-			
• SBIR/STTR Transfer	-2.341	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (C FT) Advanced Development & Prototyping				Project (Number/Name) DC8 / Army Experimentation and 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
DC8: Army Experimentation and Prototyping	-	61.779	40.409	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project DC8 Army Experimentation and Prototyping was terminated in FY2026.

A. Mission Description and Budget Item Justification

Army led programs and experimentation enable Joint All Domain Operations concepts applicable across multiple Combatant Commands (CCMD) to address OUSD R&E priority scenarios. Individual efforts bring together layered solutions to compete with peer and near-peer adversaries through the development of capabilities that support fires, command and control, logistics, and capabilities that will drive information advantage. These activities will accelerate joint warfighting capabilities to quickly demonstrate and assess innovative technologies resulting in follow-on Office of the Secretary of Defense (OSD), Army, and other Service efforts for accelerated transition of the technologies to CCMD required operations.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Joint Warfighting Concepts.

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

	FY 2024	FY 2025	FY 2026
Title: Army RDER 24 Program	61.779	-	-
Description: The Army RDER 24 program will mature technologies to TRL7+ prototypes for a series of Soldier evaluations culminating with a CCMD assessment. Efforts will include an expeditionary fabrication capability with constrained resources, expeditionary solutions to reduce demand of logistics resupply and repair, autonomous platform solutions for logistics resupply and supporting modeling and simulation capabilities. Additional efforts focusing on base defense will include advanced fires capabilities, advanced sensing capabilities, and improvements to network, data analytics, and information distribution. The project portfolio will progress from prototyping, integration and risk reduction activities to facilitate an integrated and interoperable capability demonstration of layered solutions for logistics operations, resupply, repair, and base defense.			
Title: Army RDER 25 Program	-	40.409	-
Description: The Army RDER 25 program will mature technologies to TRL7+ prototypes for a series of Soldier evaluations culminating with a CCMD assessment to facilitate acceleration to Army and Joint Service Acquisition. Efforts will include advanced communication and network connectivity to enable interoperable joint service communication; integrated solutions for advanced fires, sensors, and communication; and advanced logistics support capabilities. The project portfolio will progress from prototyping, integration and risk reduction activities to facilitate warfighter training, experimentation and assessments leading			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604020A / <i>Cross Functional Team (CFT) Advanced Development & Prototyping</i>	Project (Number/Name) DC8 / <i>Army Experimentation and Prototyping</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
toward potential recommendations for transition acceleration. Army RDER FY25 projects were approved through the OSD-RE / DMAG / CAPE selection process.			
<i>FY 2025 Plans:</i> Conduct systems design, hardware procurement, systems prototyping, software maturation and systems integration for layered solutions for joint force communication, fires, sensing, and defensive force protection within the portfolio of projects. Prototype and integrate materiel and physical systems into advanced communication systems and layered advanced fires, sensors, and communication systems for evaluation in real-world environments for a CCMD relevant scenario. Conduct risk reduction event for individual projects that lead into the primary CCMD operational assessment events in FY 2025 and FY 2026.			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Budget modifications are determined by Senior DoD Leadership. Decision for FY26 project scope and funding to be made in 1Q/2Q FY25.			
Accomplishments/Planned Programs Subtotals		61.779	40.409
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping						Project (Number/Name) DC8 / Army Experimentation and Prototyping			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army 24: Program Management and Capability Transition	TBD	DEVCOM-ARL; DEVCOM-C5ISR : Various	-	2.264		-		-		-		-	0.000	2.264	-
Army 25: Program Management and Capability Transition	TBD	DEVCOM-ARL; DEVCOM-C5ISR, Various : Various	-	-		2.509		-		-		-	0.000	2.509	-
Subtotal			-	2.264		2.509		-		-		-	0.000	4.773	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army 24: Expeditionary logistics data experimentation	Option/ TBD	PEO C3T : Various	-	4.923		-		-		-		-	0.000	4.923	-
Army 24: Advanced sensing	Option/ TBD	PEO IEWS, DEVCOM-ARL : Various	-	23.871		-		-		-		-	0.000	23.871	-
Army 24: Advanced fires	Option/ TBD	JPEO A&A : Various	-	15.568		-		-		-		-	0.000	15.568	-
Army 24: Communication and navigation system integration	TBD	SMDTC, DEVCOM-ARL : Various	-	15.153		-		-		-		-	0.000	15.153	-
Army 25: Network Communications	TBD	PEO C3T, USN PMA101, Various : Various	-	-		14.000		-		-		-	0.000	14.000	-
Army 25: Advanced Fires	TBD	JPEO A&A, PEO STRI, DEVCOM C5ISR, Various : Various	-	-		9.135		-		-		-	0.000	9.135	-
Army 25: Advanced Sensors	TBD	PEO IEWS, Various : Various	-	-		14.765		-		-		-	0.000	14.765	-
Subtotal			-	59.515		37.900		-		-		-	0.000	97.415	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025						
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (C FT) Advanced Development & Prototyping					Project (Number/Name) DC8 / Army Experimentation and Prototyping							
					Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals					-	61.779		40.409		-		-		-	0.000	102.188	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4								R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (C FT) Advanced Development & Prototyping								Project (Number/Name) DC8 / Army Experimentation and Prototyping												
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Olympus																												
Layered ISR and autonomy systems prototyping																												
Layered ISR and autonomy software maturation																												
Layered ISR and autonomy systems integration																												
Communications and architectures systems prototyping																												
Communications and architectures software maturation																												
Communications and architectures systems integration																												
Lab Based Risk Reduction activities																												
Olympus Evaluation Event 2																												
Army RDER Program																												
Army RDER 24 Program																												
Army 24: Expeditionary logistics data experimentation																												
Army 24: Communication and navigation system integration																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping		Project (Number/Name) DC8 / Army Experimentation and Prototyping	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Army 24: Advanced sensing																												
Army 24: Advanced fires																												
Army 24: Lab based risk reduction																												
Army 24: Risk reduction event																												
Army 24: Evaluation event																												
Army 24: Final Evaluation																												
Army RDER 25 Program																												
Army 25: Network Communications																												
Army 25: Advanced Fires																												
Army 25: Advanced Sensors																												
Army 25: Final Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping	Project (Number/Name) DC8 / Army Experimentation and Prototyping	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Olympus	1	2023	4	2024
Layered ISR and autonomy systems design	1	2023	3	2023
Layered ISR and autonomy systems hardware procurement	1	2023	3	2023
Layered ISR and autonomy systems prototyping	2	2023	1	2024
Layered ISR and autonomy software maturation	2	2023	4	2024
Layered ISR and autonomy systems integration	3	2023	4	2024
Communications and architectures systems design	1	2023	3	2023
Communications and architectures hardware procurement	1	2023	3	2023
Communications and architectures systems prototyping	2	2023	1	2024
Communications and architectures software maturation	2	2023	4	2024
Communications and architectures systems integration	3	2023	4	2024
Lab Based Risk Reduction activities	1	2023	4	2024
Olympus Risk Reduction and Evaluation Event 1	4	2023	4	2023
Olympus Evaluation Event 2	4	2024	4	2024
Army RDER Program	1	2023	4	2024
Army RDER 24 Program	1	2024	4	2025
Army 24: Expeditionary logistics data experimentation	1	2024	4	2025
Army 24: Communication and navigation system integration	1	2024	4	2025
Army 24: Advanced sensing	1	2024	4	2025
Army 24: Advanced fires	1	2024	4	2025
Army 24: Lab based risk reduction	1	2024	4	2024
Army 24: Risk reduction event	3	2024	1	2025

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (C FT) Advanced Development & Prototyping		Project (Number/Name) DC8 / Army Experimentation and Prototyping	
	Start		End	
Events	Quarter	Year	Quarter	Year
Army 24: Evaluation event	2	2025	4	2025
Army 24: Final Evaluation	4	2025	4	2025
Army RDER 25 Program	1	2025	4	2026
Army 25: Network Communications	1	2025	4	2026
Army 25: Advanced Fires	1	2025	4	2026
Army 25: Advanced Sensors	1	2025	4	2026
Army 25: Final Evaluation	4	2026	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604035A / Low Earth Orbit (LEO) Satellite Capability							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	37.433	21.935	17.063	-	17.063	-	-	-	-	-	-
BX7: Low Earth Orbit (LEO) Satellite Capability	-	37.433	21.935	17.063	-	17.063	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The United States Army Tactical Space Strategy provides tactical land component forces with space-based capabilities required to close the top three Large Scale Combat Operations (LSCO) gaps and counter adversarial surveillance and reconnaissance systems that affect friendly maneuver forces. National, DoD, commercial space-based, and High Altitude (HA) sensor data will be integrated into army and Joint ground architectures to provide resilient communications, assured Positioning, Navigation, and Timing (PNT), all domain sensing capabilities (including space, high altitude, aerial and terrestrial sensors, data transport, data fusion, data analytics), automated Processing Exploitation and Dissemination (PED) required in the targeting process (target recognition, machine learning and advanced algorithm development), and provide command and control (C2) of non-kinetic fires for counter ISR capabilities to enable maneuver force operations. These capabilities will enable rapid and responsive all-domain targeting applications required to engage and defeat A2/AD forces and enable force projection and freedom of maneuver in contested Multi-Domain Operations and continue to inform the Army and Joint Services Family of Integrated Targeting Cells (FIT-C).

Provides prototyping, experimentation, and risk reduction activities for ground architecture, supporting wide-area, responsive, and deep-area sensing required for Beyond-Line-of-Sight (BLOS) targeting and C2 of non-kinetic fires for counter ISR operations, significantly reducing Sensor to Shooter (S2S) timelines and enabling freedom of maneuver for operational forces. It will enable Warfighters at echelon to conduct C2 of counter surveillance and reconnaissance operations and to dynamically task, receive and disseminate data to directly support live-fire S2S demonstrations and assessments.

FY2026 base funding in the amount of \$ 17.063 million provides prototyping, experimentation, and risk reduction activities for the Army as it continues to develop and field prototypes to close the all domain sensing capability gap and provide C2 of counter adversarial surveillance and reconnaissance systems. Complimentary AI/ ML technologies are assessed via various prototyping and ground station (FIT-C) architecture efforts. These Advanced Component Development and Prototypes efforts enable ground stations to dynamically task, receive, and disseminate data to directly support live-fire, Warfighting function system of system demonstrations and assessments, enabling wide-area, responsive, and deep-area sensing and force maneuver. Additionally, this funding supports C2 architecture prototyping and experimentation of counter ISR capabilities, along with navigation warfare (NAVWAR) technology integration and Positioning, Navigation and Timing (PNT) technology development and assessments, including experimentation and prototyping in denied, degraded, intermittent, or limited (DDIL) operating environments.

The FY 2026 request was reduced by \$0.24 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604035A / Low Earth Orbit (LEO) Satellite Capability			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	38.851	21.935	17.350	-	17.350
Current President's Budget	37.433	21.935	17.063	-	17.063
Total Adjustments	-1.418	0.000	-0.287	-	-0.287
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.418	-			
• Adjustments to Budget Years	-	-	-0.287	-	-0.287
Change Summary Explanation					
FY 2026 funding decrease from Previous PB to Current 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."					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604035A / Low Earth Orbit (LEO) Satellite Capability				Project (Number/Name) BX7 / Low Earth Orbit (LEO) Satellite Capability			
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
BX7: Low Earth Orbit (LEO) Satellite Capability	-	37.433	21.935	17.063	-	17.063	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The United States Army Tactical Space Strategy provides tactical land component forces with space-based capabilities required to close the top three Large Scale Combat Operations (LSCO) gaps and counter adversarial surveillance and reconnaissance systems that affect friendly maneuver forces. National, DoD, commercial space-based, and High Altitude (HA) sensor data will be integrated into army and Joint ground architectures to provide resilient communications, assured Positioning, Navigation, and Timing (PNT), all domain sensing capabilities (including space, high altitude, aerial and terrestrial sensors, data transport, data fusion, data analytics), automated Processing Exploitation and Dissemination (PED) required in the targeting process (target recognition, machine learning and advanced algorithm development), and provide command and control (C2) of non-kinetic fires for counter ISR capabilities to enable maneuver force operations. These capabilities will enable rapid and responsive all-domain targeting applications required to engage and defeat A2/AD forces and enable force projection and freedom of maneuver in contested Multi-Domain Operations and continue to inform the Army and Joint Services Family of Integrated Targeting Cells (FIT-C).

Provides prototyping, experimentation, and risk reduction activities for ground architecture, supporting wide-area, responsive, and deep-area sensing required for Beyond-Line-of-Sight (BLOS) targeting and C2 of non-kinetic fires for counter ISR operations, significantly reducing Sensor to Shooter (S2S) timelines and enabling freedom of maneuver for operational forces. It will enable Warfighters at echelon to conduct C2 of counter surveillance and reconnaissance operations and to dynamically task, receive and disseminate data to directly support live-fire S2S demonstrations and assessments.

FY 2026 base funding in the amount of \$17.063 million provides prototyping, experimentation, and risk reduction activities for the Army as it continues to develop and field prototypes to close the all domain capability gap and provide C2 of counter adversarial surveillance and reconnaissance systems. Complimentary AI/ML technologies are assessed via various prototyping and ground station (FIT-C) architecture efforts. These Advanced Component Development and Prototypes efforts enable ground stations to dynamically task, receive, and disseminate data to directly support live-fire, Warfighting function system of system demonstrations and assessments, enabling wide-area, responsive, and deep-area sensing and force maneuver. Additionally, this funding supports C2 architecture prototyping and experimentation of counter ISR capabilities, along with Electronic Warfare (EW) and navigation warfare (NAVWAR) technology integration and Positioning, Navigation and Timing (PNT) technology development and assessments, including experimentation and prototyping in denied, degraded, intermittent, or limited (DDIL) operating environments.

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

	FY 2024	FY 2025	FY 2026
Title: LEO Satellite Capability	37.433	21.935	17.063
Description: The United States Army Tactical Space Strategy provides tactical land component forces with space-based capabilities required to close the top three Large Scale Combat Operations (LSCO) gaps and counter adversarial surveillance and			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604035A / <i>Low Earth Orbit (LEO) Satellite Capability</i>	Project (Number/Name) BX7 / <i>Low Earth Orbit (LEO) Satellite Capability</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>reconnaissance systems that affect friendly maneuver forces. National, DoD, commercial space-based, and High Altitude (HA) sensor data will be integrated into army and Joint ground architectures to provide resilient communications, assured Positioning, Navigation, and Timing (PNT), all domain capabilities (including space, high altitude, aerial and terrestrial sensors, data transport, data fusion, data analytics), automated Processing Exploitation and Dissemination (PED) required in the targeting process (target recognition, machine learning and advanced algorithm development), and provide command and control (C2) of non-kinetic fires for counter ISR capabilities to enable maneuver force operations. These capabilities will enable rapid and responsive all-domain targeting applications required to engage and defeat A2/AD forces and enable force projection and freedom of maneuver in contested Multi-Domain Operations and continue to inform the Army and Joint Services Family of Integrated Targeting Cells (FIT-C).</p> <p>Provides prototyping, experimentation, and risk reduction activities for ground architecture, supporting wide-area, responsive, and deep-area sensing required for Beyond-Line-of-Sight (BLOS) targeting and C2 of non-kinetic fires for counter ISR operations, significantly reducing Sensor to Shooter (S2S) timelines and enabling freedom of maneuver for operational forces. It will enable Warfighters at echelon to conduct C2 of counter surveillance and reconnaissance operations and to dynamically task, receive and disseminate data to directly support live-fire S2S demonstrations and assessments.</p> <p>FY 2025 Plans: Battle Management and Control (BMC2) and ground infrastructure continues the demonstration and validation of ground architecture, evaluating the ability to provide wide-area, responsive, and deep-area sensing required for Beyond Line of Sight (BLOS) targeting and force maneuver, significantly reducing Sensor-to-Shooter (S2S) timelines. Ground architecture is evaluated through multiple assessment events including the Assured Position, Navigation, Timing and Space (APNT/S) Cross Functional Team (CFT) Campaign of Learning and Army Futures Command's Capstone Exercise. These provide a realistic operational environment to evaluate the integrated Intelligence, Surveillance and Reconnaissance (ISR), Positioning, Navigation and Timing (PNT), BMC2, and communications data to identify and locate targets of interest in denied and contested environments actionable by the tactical warfighter. This is executed through the S2S demonstration and experimentation plan which began with the first Positioning, Navigation and Timing (PNT) Assessment Exercise (PNTAX) in FY19. PNTAX provides the Army's sole large scale, open air, threat informed Radio Frequency/Global Positioning System denied environment for assessments and experiments necessary to ensure evolution of Multi-Domain Operations and Joint All Domain Command and Control (JADC2) capabilities.</p> <p>Further, APNT/S CFT conducts multiple CONUS-based live-fire exercises along with follow-on embedded experimentation in exercises across US Army Europe- African Command (USEUR-AF) and US Army Pacific Command (USARPAC), culminating with a FY 2025 Capstone exercise. Critical to this overall effort are Soldier touchpoints, prototyping and ground architecture development, Artificial Intelligence and machine learning integration, all-domain targeting demonstrations to inform space, high altitude, aerial and terrestrial based sensor development, space-based telemetry, Alternative Navigation and radio frequency</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0604035A / Low Earth Orbit (LEO) Satellite Capability				Project (Number/Name) BX7 / Low Earth Orbit (LEO) Satellite Capability				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
sensing. This demonstration and experimentation cycle is extremely important as it is the Army's mechanism to ensure current and future funding is correctly applied against the most critical requirements. It provides an iterative framework for rapid concept of operations and tactics, techniques, and procedures development, evaluation and revision and for rapid technology insertion.											
FY 2026 Plans: Provides prototyping, experimentation, and risk reduction activities for the Army as it continues to develop and field prototypes to close the all domain capability gap and provide C2 of counter adversarial surveillance and reconnaissance systems. Complimentary AI/ML technologies are assessed via various prototyping and ground station (FIT-C) architecture efforts. These Advanced Component Development and Prototypes efforts enable ground stations to dynamically task, receive, and disseminate data to directly support live-fire, Warfighting function system of system demonstrations and assessments, enabling wide-area, responsive, and deep-area sensing and force maneuver. Additionally, this funding supports C2 architecture prototyping and experimentation of counter ISR capabilities, along with Electronic Warfare (EW) and navigation warfare (NAVWAR) technology integration and Positioning, Navigation and Timing (PNT) technology development and assessments, including experimentation and prototyping in denied, degraded, intermittent, or limited (DDIL) operating environments.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease reflects reduction in prototyping, experimentation, and risk reduction activities.											
Accomplishments/Planned Programs Subtotals											
							37.433	21.935	17.063		
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
• 0603766A: Tactical Electronic Surveillance System - Adv Dev	72.259	87.765	107.525	-	107.525	-	-	-	-	-	-
Remarks Development by Project BX7 'Low Earth Orbit (LEO) Satellite Capability' is in conjunction and complement Project CC5 'LEO ISR'. ref. PE 0603766A.CC5											
D. Acquisition Strategy This effort was designed to address the top 3 Army Large Scale Operations (LSCO) gaps of multi-domain deep-sensing, penetration of and disintegration of threat A2AD, and long range fires. It represents investments which will result in knowledge transfers to inform space-related capability requirements and concepts of operations that support, at a minimum, Army Campaign Plan Objectives (#7: See and Sense Farther / Multidomain Intel & Targeting, #8: Precise, Longer-Range Fires (Conduct precision strike in depth across domains), #10: Survivable and Resilient Formations, and #6: Rapidly and reliably communicate & share data (Gain & Maintain decision dominance)). Knowledge transfers will be incorporated into programs within the Program Executive Office - Intelligence, Electronic Warfare, & Sensors.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604035A / Low Earth Orbit (LEO) Satellite Capability				Project (Number/Name) BX7 / Low Earth Orbit (LEO) Satellite Capability					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototype Development and Engineering Services Support	C/FFP	Multiple : Multiple	10.964	5.182	Dec 2023	4.200	Dec 2024	4.000	Dec 2025	-		4.000	Continuing	Continuing	Continuing
Subtotal			10.964	5.182		4.200		4.000		-		4.000	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Satellite Infrastructure Capabilities Development	C/FPIF	Multiple : Multiple	47.906	27.280	Jan 2024	13.535	Jan 2025	9.063	Jan 2026	-		9.063	Continuing	Continuing	Continuing
Subtotal			47.906	27.280		13.535		9.063		-		9.063	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LEO Infrastructure Test and Evaluation	C/CPIF	Multiple : Multiple	8.365	4.971	Jan 2024	4.200	Jan 2025	4.000	Jan 2026	-		4.000	Continuing	Continuing	Continuing
Subtotal			8.365	4.971		4.200		4.000		-		4.000	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			67.235	37.433		21.935		17.063		-		17.063	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604035A / Low Earth Orbit (LEO) Satellite Capability		Project (Number/Name) BX7 / Low Earth Orbit (LEO) Satellite Capability	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
BMC2 and Ground Infrastructure																												
Capstone 24	1																											
Capstone 25					4																							
Capstone 26									7																			
Capstone 27													10															
Capstone 28																	13											
Capstone 29																					14							
Capstone 30																									15			
Valiant Shield 24																												
Valiant Shield 26													8															
Northern Edge 25																												
All-Domain Persistent Experiment (APEX) 24																												
All-Domain Persistent Experiment (APEX) 25																												

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

Date: June 2025

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2040 / 4

R-1 Program Element (Number/Name)

PE 0604035A / *Low Earth Orbit (LEO) Satellite Capability*

Project (Number/Name)	Start Date	End Date	Duration (Days)	Progress (%)	Status	Owner	Team Lead	Key Milestones	Notes
101/Alpha	2023-01-15	2023-03-10	55	85	Completed	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
102/Beta	2023-02-01	2023-04-15	74	60	In Progress	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
103/Gamma	2023-03-01	2023-05-15	74	40	In Progress	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
104/Delta	2023-04-01	2023-06-15	74	20	In Progress	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
105/Epsilon	2023-05-01	2023-07-15	74	10	In Progress	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
106/Zeta	2023-06-01	2023-08-15	74	5	In Progress	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
107/Eta	2023-07-01	2023-09-15	74	0	Not Started	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
108/Theta	2023-08-01	2023-10-15	74	0	Not Started	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
109/Iota	2023-09-01	2023-11-15	74	0	Not Started	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2
110/Kappa	2023-10-01	2023-12-15	74	0	Not Started	John Doe	Jane Smith	Phase 1 Complete, Phase 2 In Progress	Minor delays in Phase 2

BX7 / Low Earth Orbit (LEO) Satellite Capability

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
All-Domain Persistent Experiment (APEX) 26													9																			
All-Domain Persistent Experiment (APEX) 27																	12															
Northern Edge 27																	11															

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604035A / <i>Low Earth Orbit (LEO) Satellite Capability</i>	Project (Number/Name) BX7 / <i>Low Earth Orbit (LEO) Satellite Capability</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
BMC2 and Ground Infrastructure	1	2021	4	2030
Capstone 24	2	2024	2	2024
Capstone 25	2	2025	2	2025
Capstone 26	2	2026	2	2026
Capstone 27	2	2027	2	2027
Capstone 28	2	2028	2	2028
Capstone 29	2	2029	2	2029
Capstone 30	2	2030	2	2030
Valiant Shield 24	3	2024	3	2024
Valiant Shield 26	3	2026	3	2026
Northern Edge 25	3	2025	3	2025
All-Domain Persistent Experiment (APEX) 24	4	2024	4	2024
All-Domain Persistent Experiment (APEX) 25	4	2025	4	2025
All-Domain Persistent Experiment (APEX) 26	4	2026	4	2026
All-Domain Persistent Experiment (APEX) 27	4	2027	4	2027
Northern Edge 27	3	2027	3	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	185.831	188.228	239.813	-	239.813	-	-	-	-	-	-
BY9: Multi-Domain Sensing System Adv Dev	-	13.396	-	-	-	-	-	-	-	-	-	-
DD6: HADES Platform, Payloads/PED, and Integration	-	172.435	188.228	239.813	-	239.813	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification

604036A / Project BY9 was established in FY 2022 to support sensor prototyping for initiation of the Army's Multi Domain Sensing System (MDSS), a layered approach of the Army's Aerial Intelligence, Surveillance, and Reconnaissance (A-ISR) systems which allows for the best ability to achieve Multi-Domain Operations (MDO) capable deep sensing. The A-ISR systems, MDSS family of systems (HADES, HAP-DS, ARGOS, and HERMES) and Launched Effects (LE), is comprised of a variety of platform/sensor combinations and MDO-capable, platform agnostic, scalable sensor programs that will provide for technical insertion into LE, Unmanned Aerial Systems (UAS), high-altitude platforms (including Micro High-Altitude Balloons (mHAB)), medium altitude manned systems, and unmanned stratospheric A-ISR systems. These capabilities are enabled by emerging Artificial Intelligence/Machine Learning (AI/ML) processing and automated target recognition, autonomous sensor cross-cueing, sensor data correlation and resilient Joint All Domain Command and Control (JADC2) compliant communications which shorten the sensor to shooter kill chain.

PE 0604036A / Project DD6 is the Army's first priority in the Multi-Domain Sensing System (MDSS) portfolio of systems and is the centerpiece of the A-ISR transformation strategy. High Accuracy Detection and Exploitation System (HADES) is a commercial jet modified for military use with complex Outer Mold Line (OML) aerodynamic modifications and integrated with sensors which provide Communications Intelligence (COMINT), Electronics Intelligence (ELINT), and Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI) (i.e. RADAR) capabilities, Aircraft Survivability Equipment (ASE), and other military mission equipment utilizing open system standards. HADES allows the Army to fly higher, faster, and farther, which directly impacts the warfighter's ability to see and sense deeper, delivering an organic capability in line with the Army's operational imperative for deep sensing. In FY 2026 three (3) prototype aircraft are concurrently in development, up from two (2) in FY 2025. These three developmental prototypes will inform future Army procurement decisions.

The FY 2026 cost of the HADES Middle Tier of Acquisition effort is \$83.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

HADES is part of the Army Transformation Initiative (ATI).

Procurement begins in FY 2026.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604036A I Multi-Domain Sensing System (MDSS) Adv Dev			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	191.394	239.135	248.360	-	248.360
Current President's Budget	185.831	188.228	239.813	-	239.813
Total Adjustments	-5.563	-50.907	-8.547	-	-8.547
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-50.907			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-5.563	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-8.547	-	-8.547
Change Summary Explanation					
Decrease in FY 2026 funding from the previous PB to the current PB due to reprioritization of resources across the Army portfolio.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev				Project (Number/Name) BY9 / Multi-Domain Sensing System Adv Dev			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BY9: Multi-Domain Sensing System Adv Dev	-	13.396	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

604036A / Project BY9 was established in FY 2022 to support sensor prototyping for initiation of the Army's Multi Domain Sensing System (MDSS), a layered approach of the Army's Aerial Intelligence, Surveillance, and Reconnaissance (A-ISR) systems which allows for the best ability to achieve Multi-Domain Operations (MDO) capable deep sensing. The A-ISR systems, MDSS family of systems (HADES, HAP-DS, ARGOS, and HERMES) and Launched Effects (LE), is comprised of a variety of platform/sensor combinations and MDO-capable, platform agnostic, scalable sensor programs that will provide for technical insertion into LE, Unmanned Aerial Systems (UAS), high-altitude platforms (including Micro High-Altitude Balloons (mHAB)), medium altitude manned systems, and unmanned stratospheric A-ISR systems. These capabilities are enabled by emerging Artificial Intelligence/Machine Learning (AI/ML) processing and automated target recognition, autonomous sensor cross-cueing, sensor data correlation and resilient Joint All-Domain Command and Control (JADC2) compliant communications which shorten the sensor to shooter kill chain.

FY 2024 RDTE funding and execution is currently being realigned to 0604036A DD6.

0604036A BY9 has no funding request in FY 2026.

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

	FY 2024	FY 2025	FY 2026
Title: Sensor Acquisition and Integration Support	12.056	-	-
Description: Acquisition of payloads and Non-Recurring Engineering (NRE) efforts associated with Mission Equipment Packages (MEP) for technical insertion into A-ISR systems, MDSS family of systems (HADES, HAP-DS, ARGOS, and HERMES) and Launched Effects (LE), to include on Unmanned Aerial Systems (UAS), high-altitude platforms (including Micro High-Altitude Balloons (mHAB)), medium-altitude manned systems, and unmanned stratospheric systems.			
Title: Program Management and Technical Support	1.340	-	-
Description: Support required for Project Director Sensors Aerial Intelligence (PD SAI) for sensor acquisition and integration support.			
Accomplishments/Planned Programs Subtotals	13.396	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev				Project (Number/Name) BY9 / Multi-Domain Sensing System Adv Dev			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• 0604036A: Multi-Domain Sensing System (MDSS) Adv Dev	185.831	188.228	239.813	-	239.813	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Project BY9 will remain to support future development and modernization of platform agnostic, MDSS sensor capabilities In Accordance With (IAW) future Army decisions.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev						Project (Number/Name) BY9 / Multi-Domain Sensing System Adv Dev			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Sensor Acquisition and Integration Support	Various	VARIOUS : VARIOUS	-	12.056	Dec 2023	-		-		-		-	0.000	12.056	-
Subtotal			-	12.056		-		-		-		-	0.000	12.056	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management and Technical Support	Various	VARIOUS : VARIOUS	-	1.340	Dec 2023	-		-		-		-	0.000	1.340	-
Subtotal			-	1.340		-		-		-		-	0.000	1.340	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			-	13.396		-		-		-		-	0.000	13.396	N/A
Remarks All future HADES RDTE funding aligned to 0604036A DD6.															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev

Project (Number/Name)

BY9 / Multi-Domain Sensing System Adv
Dev

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Note

RDTE funding transitions from 0604036A BY9 to 0604036A DD6 in FY2024. All FY 2024 execution will transfer from 0604036A BY9 to 0604036A DD6.

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev	Project (Number/Name) BY9 / Multi-Domain Sensing System Adv Dev	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
SIGINT Sensor Evaluation	2	2021	2	2022
Sensor Acquisition and Integration Support	4	2021	4	2024
Architecture Development	3	2021	4	2023
SAR/MTI Development and Prototyping	2	2021	4	2023

Note
RDTE funding transitions to DD6 in FY 2024.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev				Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
DD6: HADES Platform, Payloads/PED, and Integration	-	172.435	188.228	239.813	-	239.813	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

PE 0604036A / Project DD6 is the Army's first priority in the Multi-Domain Sensing System (MDSS) portfolio of systems and is the centerpiece of the Army's Aerial Intelligence, Surveillance, and Reconnaissance (A-ISR) transformation strategy. High Accuracy Detection and Exploitation System (HADES) is a commercial jet modified for military use with complex Outer Mold Line (OML) aerodynamic modifications and integrated with sensors which provide Communications Intelligence (COMINT), Electronics Intelligence (ELINT), and Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI) (i.e. RADAR) capabilities, Aircraft Survivability Equipment (ASE), and other military mission equipment utilizing open system standards. HADES allows the Army to fly higher, faster, and farther, which directly impacts the warfighter's ability to see and sense deeper, delivering an organic capability in line with the Army's operational imperative for deep sensing. In FY 2026 three (3) prototype aircraft are concurrently in development, up from two (2) in FY 2025. These three developmental prototypes will inform future Army procurement decisions.

HADES provides advanced aerial intelligence sensing capabilities for Multi-Domain Operations (MDO) against peer and near-peer adversaries, addressing Army deep sensing needs in all phases of operations and throughout the depth of the future battlefield. With higher airspeed, range and endurance, HADES will facilitate A-ISR coverage for a much larger geographical area than current capability and will facilitate global deployment within days instead of the current transitional period of several weeks for legacy aircraft. This will adversely affect our adversaries' ability to plan and maneuver. This is also aligned with the Headquarters Department of the Army Deputy Chief of Staff (HQDA DCS) G2 strategy that lethality begins with intelligence. HADES provides highly mobile, long endurance converged deep sensing through the collection of COMINT, ELINT, and SAR/MTI data. Subsequent increment upgrades can host Electronic Warfare (EW), Radio Frequency (RF)-enabled Cyber, and Launched Effects (LE) as well as additional system improvements. Aircraft performance and a Modular Open Systems Approach (MOSA) increases flexibility in rapid global deployment and postures to meet emerging operational needs.

HADES will utilize an incremental acquisition strategy and an open system approach:

Increment 1 (Prototypes #1 and #2): Initial capability includes COMINT, ELINT, SAR/MTI; and a MOSA digital backbone.

Increment 2 (Prototype #3): Integration of advanced COMINT/ ELINT sensors and modernization upgrades, such as LE, EW, Artificial Intelligence/Machine Learning (AI/ML).

The FY 2026 cost of the HADES Middle Tier of Acquisition effort is \$83.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

HADES is part of the Army Transformation Initiative (ATI).

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev	Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration		
*Note on Quantities: The HADES LSI will receive three (3) commercial aircraft over three years to convert into HADES prototypes/RDT&E Articles, one in FY 2024, one in FY 2025, and one in FY 2026.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Title: Aircraft Acquisition and System Integration			124.819	124.128	157.290
Description: Acquires commercially available aircraft (Bombardier/Learjet Global 6500) and military specific components and provides as Government Furnished Equipment (GFE) to Lead System Integrator (LSI). LSI performs system integration efforts with Original Equipment Manufacturer (OEM) support to modify the commercial aircraft to military configuration, including Outer Mold Line (OML) and aerodynamic modifications, and integrating sensors for COMINT, ELINT, and SAR/MTI capabilities utilizing an open system architecture. Funds the testing program for HADES prototypes through LSI with aircraft and sensor OEM and government test support while under Director Operational Test and Evaluation (DOT&E) oversight at Continental United States (CONUS) and Outside the Continental United States (OCONUS) locations.					
FY 2025 Plans:					
Prototype #1:					
Completes the acquisition of the first Bombardier/Learjet aircraft. Continues the integration of COMINT, ELINT, SAR/MTI sensors, a digital backbone, and system-level test planning.					
Prototype #2:					
Completes the acquisition of the second Bombardier/Learjet aircraft. Initiates the integration of COMINT, ELINT, and SAR/MTI sensors, and the development and design unique to Prototype #2.					
FY 2026 Plans:					
Prototype #1:					
Completes integration of COMINT, ELINT, and SAR/MTI sensors. Delivers Prototype #1. Initiates system level Operational Demonstration. HADES will utilize the Test and Evaluation Strategy evaluated by U.S. Army Test and Evaluation Command (ATEC) with DOT&E oversight.					
Prototype #2:					
Completes the integration of COMINT, ELINT, and SAR/MTI sensors, a digital backbone, and the development and design unique to Prototype #2. Initiates system-level test planning.					
Prototype #3:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev	Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Completes the acquisition of the third Bombardier/Learjet aircraft, initiates the integration of military specific components and sensors, the development and design associated with HADES Increment 2, and test planning. Initiates development and design of sensor interfaces into the Government-owned Digital Backbone. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increases from FY 2025 due to increase in workload from going from two to three concurrent prototype developments and due to the complexity of the work to be performed. Prototype #3 is the first platform for Increment 2 and requires extensive design and development work for integration. Developing these capabilities requires significant engineering in addition to the integration and testing efforts on Prototypes #2 and #3.				
Title: Sensor Acquisition and Integration Support Description: Funds the acquisition of COMINT, ELINT, SAR/MTI sensors for HADES prototypes, Processing, Exploitation and Detection (PED) Equipment, and sensor architecture and payload integration support for the HADES prototype systems. FY 2025 Plans: Prototype #1: Continues sensor architecture and payload integration support to LSI. Continues the development of payload performance metrics, monitoring strategy, and required testing. Prototype #2: Completes acquisition of ELINT, COMINT, and SAR/MTI. Initiates sensor architecture and payload integration support to LSI. Prototype #3: Completes acquisition of ELINT, COMINT, and SAR/MTI. Initiates sensor architecture and payload integration support to LSI. FY 2026 Plans: Prototype #1: Completes sensor architecture and payload integration support, payload performance monitoring, and test efforts. Initiates sensor sparing. Prototype #2: Continues sensor architecture and payload integration support to LSI. Initiates and completes payload performance monitoring and test efforts to select the sensors for future HADES systems. Initiates sensor sparing. Prototype #3:		28.782	45.278	59.741

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev	Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Initiates sensor architecture and payload integration support to LSI. Completes sensor selection for follow on HADES MTA (Increment 2). Initiates sensor sparing for HADES prototype payloads. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increases from FY 2025 due to the complexity of integrating three, (up from two in FY 2025) prototypes concurrently in FY 2026, testing and Ops Demo of Prototype #1, initiation of system level testing of Prototype #2, and test planning for Prototype #3. These sensor specific efforts require significant systems engineering in addition to the integration and testing efforts on Prototypes #2 and #3.				
Title: Program Management and Technical Support Description: Project Manager (PM) Fixed Wing and Project Director (PD) Sensors Aerial Intelligence (SAI) program management and technical support for aircraft and sensor acquisition and integration. Includes funding for other Government support (matrix) to include but not limited to contracting, airworthiness, Authority to Operate (ATO), testing, safety, and logistics. FY 2025 Plans: Program Management and technical support for aircraft and sensor acquisition and integration support for PM FW and PD SAI, other Government Agencies supporting contracting, airworthiness, ATO, testing, safety, and logistics including oversight of three new contracts awarding, programmatic reviews, Military Specific Component procurement and delivery to LSI as GFE, and testing requirements with DOT&E. FY 2026 Plans: Program Management and technical support for PM FW and PD SAI acquisition and integration of aircraft and sensors including safety, test, airworthiness, and Ops Demo activities for three (3) prototype aircraft. Provides funding for other Government agencies supporting contracting, airworthiness, ATO, testing, safety, and logistics. FY 2025 to FY 2026 Increase/Decrease Statement: The FY 2026 funding increase is due to managing the complexity of integrating three (up from two in FY 2025) prototypes concurrently in FY 2026, conducting testing and Ops Demo on Prototype #1, and testing Prototype #2 while planning a transition to Procurement. This requires additional labor in the form of test engineers, test pilots, safety staff, and logisticians associated with beginning platform deliveries.		18.834	18.822	22.782
Accomplishments/Planned Programs Subtotals		172.435	188.228	239.813

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev	Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration	

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
• A12411: HADES PLATFORM AND INTEGRATION	-	-	-	-	-	-	-	-	-	-	-
• A12412: HADES PAYLOADS AND PED	-	-	26.850	-	26.850	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Project office is utilizing the MTA authority for Rapid Prototyping including Special User Evaluations (SUE) throughout the process to help refine the requirements. HADES requirements are identified in the HADES Abbreviated Capability Description Document (A-CDD) approved by the Army Requirements Oversight Council (AROC) on 26 August 2020 and signed by the Commanding General, Army Futures Command (AFC) on 18 September 2020.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev				Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management and Technical Support	RO	Project Manager (PM) Fixed Wing (FW); Product Director (PD) Sensors Aerial Intelligence (SAI) : Redstone Arsenal, AL; Aberdeen Proving Ground, MD	-	18.834	Dec 2023	18.822	Dec 2024	22.782	Dec 2025	-		22.782	Continuing	Continuing	Continuing
Subtotal			-	18.834		18.822		22.782		-		22.782	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Acquisition and System Integration	Various	Bombardier/Learjet;; SNC : Wichita, KS; Hagerstown, MD	-	124.819	Feb 2024	124.128	Mar 2025	157.290	Nov 2025	-		157.290	Continuing	Continuing	Continuing
Sensor Acquisition and Integration Support	Various	SNC; Raytheon; L3 Harris : Hagerstown, MD; Andover, MA; Greenville, TX	-	28.782	Apr 2024	45.278	Jan 2025	59.741	Nov 2025	-		59.741	Continuing	Continuing	Continuing
Subtotal			-	153.601		169.406		217.031		-		217.031	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	172.435		188.228		239.813		-		239.813	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604036A / Multi-Domain Sensing System (MDSS) Adv Dev		Project (Number/Name) DD6 / HADES Platform, Payloads/PED, and Integration	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
HADES Program Initiation	▲1																											
HADES MTA #1 Rapid Prototyping INC 1 (2 Systems)																												
HADES Prototype #1 Platform/ Payload Integration & Test																												
Delivery of Commercial Aircraft #1								▲2																				
Delivery of HADES Prototype #1																▲5												
HADES Prototype #2 Platform/ Payload Integration & Test																												
Delivery of Commercial Aircraft #2												▲3																
Delivery of HADES Prototype #2																												
HADES MTA #2 Rapid Prototyping INC 2 (1 System)																												
HADES Prototype #3 Platform/ Payload Integration & Test																												
Delivery of Commercial Aircraft #3																												
Delivery of HADES Prototype #3																												
Technology Insertion/ Pre-Planned Product Improvement																												

Note

All prototyping activities conclude in FY 2030. FY 2030 and out funding supports Preplanned Product Improvement (P3I) spiral efforts for modernization and increased capabilities as desired by the Army Capabilities Manager (ACM).

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604036A / <i>Multi-Domain Sensing System (MDSS) Adv Dev</i>	Project (Number/Name) DD6 / <i>HADES Platform, Payloads/PED, and Integration</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
HADES Program Initiation	1	2024	1	2024
HADES MTA #1 Rapid Prototyping INC 1 (2 Systems)	1	2024	3	2027
HADES Prototype #1 Platform/ Payload Integration & Test	1	2024	4	2026
Delivery of Commercial Aircraft #1	1	2025	1	2025
Delivery of HADES Prototype #1	4	2026	4	2026
HADES Prototype #2 Platform/ Payload Integration & Test	2	2025	3	2027
Delivery of Commercial Aircraft #2	3	2025	3	2025
Delivery of HADES Prototype #2	3	2027	3	2027
HADES MTA #2 Rapid Prototyping INC 2 (1 System)	3	2026	3	2030
HADES Prototype #3 Platform/ Payload Integration & Test	3	2026	4	2028
Delivery of Commercial Aircraft #3	2	2026	2	2026
Delivery of HADES Prototype #3	4	2028	4	2028
Technology Insertion/ Pre-Planned Product Improvement	4	2028	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604037A I Tactical Intel Targeting Access Node (TITAN) Adv Dev							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	10.626	4.317	3.092	-	3.092	-	-	-	-	-	-
BY4: Tactical Intelligence Targeting Access Node	-	10.626	4.317	3.092	-	3.092	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Tactical Intelligence Targeting Access Node (TITAN) is a key enabler of the Army Modernization Priorities in support of Army Cross Functional Teams.

TITAN is a scalable and expeditionary intelligence ground station that supports commanders across the entire Multi-Domain Operations (MDO)/Joint All Domain Operations (JADO) battlefield framework with capabilities tailored to echelon. TITAN leverages Space, High Altitude, Aerial and Terrestrial layer sensors to provide targetable data to fires networks as well as multi-discipline intelligence support to targeting and Situation Awareness/Situation Understanding (SA/SU) in support of mission command. This funding will provide development and prototyping of Critical Radio Frequency (RF) technologies and integration of new Space-Based ISR capabilities into the TITAN POR.

TITAN is the Army Intelligence, Surveillance, and Reconnaissance (ISR) ground station that consolidates the sensor processing capabilities in the current Distributed Common Ground System-Army (DCGS-A) Operational-Intelligence Ground Station (OGS), Tactical-Intelligence Ground Station (TGS), the Advanced Miniaturized Data Acquisition System Dissemination Vehicle (ADV), and the Remote Ground Terminal (RGT). Additionally, TITAN will access sensor data of Tactical Space Layer assets, National assets, the Multi-Domain Sensing Systems (MDSS) as well as commercial overhead sensors. Thus, the TITAN ground station conducts deep sensing operations with the abilities to Task, Collect, Process, Exploit, and Disseminate (TCPED) information from Space, High Altitude, Aerial, and Terrestrial Layer sensors in support of Long-Range Precision Fires (LRPF) operations.

The FY 2026 cost of the Titan Intelligence Targeting Access Node (TITAN) Middle Tier of Acquisition effort is \$23.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604037A I Tactical Intel Targeting Access Node (TITAN) Adv Dev			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	10.626	4.317	4.129	-	4.129
Current President's Budget	10.626	4.317	3.092	-	3.092
Total Adjustments	0.000	0.000	-1.037	-	-1.037
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-1.037	-	-1.037
Change Summary Explanation					
FY 2026 decrease due to the conclusion of the Prototype Maturation Phase for TITAN.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev				Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node			
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
BY4: Tactical Intelligence Targeting Access Node	-	10.626	4.317	3.092	-	3.092	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Tactical Intelligence Targeting Access Node (TITAN) directly addresses the U.S. Army Combined Arms Center's (USACAC) Multi-Domain Operations (MDO) Gap #1: Lack of echelons above corps (EAC) multi-domain deep sensing, analysis, and processing, exploitation, and dissemination (PED) for indications and warning (I&W) and anti-access/area denial (A2/AD) targeting. Furthermore, TITAN indirectly addresses MDO Gap #2: No theater detect, decide, deliver, assess (D3A) and convergence of Long Range Precision Fires (LRPF) to disintegrate A2/AD and MDO Gap #3: Lack of EAC LRPF capacity to disintegrate A2/AD and shape the deep fight. TITAN supports these MDO gaps by providing the sensor data receipt and control, analysis, exploitation, and dissemination functions needed to enable LRPF.

The FY26 RDTE Dollars in the amount of \$3.092M will fund continued support efforts to prototype high altitude, aerial and terrestrial sensor data feed, processing and AI/ML operational platforms in the Prototype Maturation Phase (PMP).

The FY 2026 cost of the Titan Intelligence Targeting Access Node (TITAN) Middle Tier of Acquisition effort is \$23.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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

	FY 2024	FY 2025	FY 2026
Title: Integration Space Based ISR	10.000	-	-
Description: Fund initial efforts to integrate Space-Based Intelligence, Surveillance and Reconnaissance capabilities into TITAN program of record.			
Title: Development and Prototyping of Critical RF Technologies	0.626	4.317	3.092
Description: Fund maturation, Prototyping, and Advanced Development of TITAN critical technologies on a representative platform. Development and prototyping of critical RF technologies, which currently do not exist or need significant enhancements, to meet TITAN requirements. Fund technology maturation and prototyping of critical TITAN RF technologies, including Multi-Link Antennas and CMOSS implementations. Multi-link RF systems will support the simultaneous ingest of multiple sensor data streams, in a tactical ground configuration/footprint, for high altitude, aerial, and terrestrial sensor data feeds. CMOSS implementations support Space, Weight and Power-Cooling (SWaP-C) reductions in an open architecture solution with modularity.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev				Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
Continued maturation and implementation of multi-link antenna technology, maturation and prototyping of evolving National modernization architecture elements, and implement developing CMOSS solutions on the TITAN prototypes during Prototype Maturation Phase. FY 2026 Plans: Complete maturation and implementation of multi-link antenna technology, maturation and prototyping of evolving National modernization architecture elements, and implement developing CMOSS solutions on the TITAN prototypes during Prototype Maturation Phase. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to the conclusion of the Prototype Maturation Phase for TITAN.											
Accomplishments/Planned Programs Subtotals									10.626	4.317	3.092
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
• BY5: Tactical Intelligence Targeting Access Node EMD	128.784	149.112	44.273	-	44.273	-	-	-	-	-	-
• K57311: TITAN GROUND STATION	-	-	236.314	-	236.314	-	-	-	-	-	-
Remarks 0605148A BY5 funding supports development, integration and system engineering of TITAN prototypes.											
D. Acquisition Strategy The TITAN program acquisition strategy is to leverage Middle-Tier of Acquisition (MTA) for Rapid Prototyping (RP). This strategy allows the program to rapidly develop and field a capability that addresses gaps for multi-domain operations. TITAN's MTA RP approval in 3QFY22 was based on an Abbreviated Capabilities Development Document (A-CDD) with an Army Requirements Oversight Council (AROC) decision, which was approved in 1QFY22. The capabilities will be refined through Soldier touchpoints and demonstrations/exercises and inform final TITAN requirements and Concept of Operations (CONOPS). Demonstrating the objective capability in an operational environment will inform the decision point to transition to a tailored Milestone C (MS C) for hardware and integration, and a Software Acquisition Pathway (SWP) for continuous software development. TITAN's open-system architecture approach ensures the system will be tailorable and scalable, with the ability to provide increased intelligence capabilities, additional sensor data and processing throughput over time to keep pace with new technology and changing threat. An Other Transaction Authority (OTA) contract was awarded under the 10 U.S.C. 2371b and the 2016 National Defense Authorization Act (NDAA), Section 815, for TITAN Rapid Prototyping. This innovative approach enables acceleration of the TITAN Ground Station capabilities to the Warfighter. The TITAN OTA approach is a											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev	Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node
<p>multi-phased contract vehicle designed to scope each phase separately based on maturing requirements and informed by risk reduction efforts in prior phases. The initial phase, Ground Station Modernization, was competitive risk-reduction effort between two vendors to build system-level designs and mature a Software (SW) baseline. The Competitive Prototyping Phase (CPP) was awarded in 3QFY22 and focused on competitive prototyping between both vendors. The CPP included further SW baseline refinement to ensure functionality and then began Hardware (HW) integration within a shelter and on a representative vehicle platform for the Advanced variant. At the conclusion of Competitive Prototyping, both vendors were evaluated against technical feasibility and ability to meet TITAN requirements, which informed the up-select to one vendor. The selected vendor moved on to the final prototyping phase. The Prototype Maturation Phase, awarded in 2QFY24, includes increasing capability to inform final TITAN requirements and support the transition decision out of MTA RP to MS C for hardware and integration, and a SWP for continuous software development. Multiple Soldier Touchpoints and Capability demonstrations in the operational force, to ensure usability and inform requirements and CONOPS, will highlight the OTA phases for Rapid Prototyping. The TITAN program includes two variants, Advanced and Basic, with Advanced featuring assured access to space data and enhanced storage capabilities, and Basic tailored for lower echelons and more expeditionary focus. Future contracts will support both production and sustainment.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev				Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development and Prototyping of Critical RF Technologies in Prototype Maturation Phase	C/CPAF	L3Harris : APG	-	0.626	Jan 2024	4.317	Jan 2025	3.092	Jan 2026	-		3.092	Continuing	Continuing	Continuing
Subtotal			-	0.626		4.317		3.092		-		3.092	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration Space Based ISR	C/Various	Multiple Contractors : TBD	-	10.000	Jan 2024	-		-		-		-	0.000	10.000	-
Subtotal			-	10.000		-		-		-		-	0.000	10.000	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	10.626		4.317		3.092		-		3.092	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev		Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OTA: Competitive Prototyping Phase (1x Advanced per vendor)																												
Vendor Upselect																												
OTA: Prototype Maturation Phase																												
Prototype Development Testing																												
PMP Advanced Development																												
Software Pathway Planning Phase																												
Army Requirements Oversight Council																												
Joint Requirements Oversight Council																												
Operational Assessment Complete																												
TITAN MTA MS C/SWP Execution Decision																												
TITAN MTA MS C/SWP Contract																												
Follow-on Contract for Future Prototyping/Software Pathw...																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604037A / Tactical Intel Targeting Access Node (TITAN) Adv Dev	Project (Number/Name) BY4 / Tactical Intelligence Targeting Access Node	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MDD	2	2020	2	2020
Analysis of Alternatives	3	2020	1	2021
AoA SAG	1	2021	1	2021
AROC	1	2022	1	2022
OTA: Ground Station Modernization Phase	1	2021	1	2022
Phase 1 Technology Demonstrations/Design Reviews	1	2021	1	2022
MTA: Rapid Prototyping Decision Point	3	2022	3	2022
OTA: Competitive Prototyping Phase (1x Advanced per vendor)	3	2022	2	2024
Vendor Upselect	2	2024	2	2024
OTA: Prototype Maturation Phase	2	2024	2	2026
Prototype Development Testing	2	2024	2	2026
PMP Advanced Development	3	2024	2	2026
Software Pathway Planning Phase	4	2025	3	2026
Army Requirements Oversight Council	4	2025	4	2025
Joint Requirements Oversight Council	2	2026	2	2026
Operational Assessment Complete	2	2026	2	2026
TITAN MTA MS C/SWP Execution Decision	3	2026	3	2026
TITAN MTA MS C/SWP Contract	3	2026	1	2034
Follow-on Contract for Future Prototyping/Software Pathways (R&D)	3	2026	1	2034

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604100A / Analysis Of Alternatives
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	10.690	11.234	9.865	-	9.865	-	-	-	-	-	-
EC7: Analysis Of Alternatives	-	10.690	11.234	9.865	-	9.865	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) provides funding for analytical support of Analysis of Alternatives. Analyses of Alternatives are statutory requirements for Major Defense Acquisition Programs and regulatory for all other programs. Based on Department of Defense Instruction (DoDI) 5000.02, Analyses of Alternatives are required to be completed for a new start program prior to its first Milestone Decision. The PE provides analytical capability for Pre-Milestone A programs that emerge outside the normal budget or POM cycles. Normally these programs are without program managers and require analysis to support Congressional, Defense and Army Senior Leader's requirement and acquisition needs and priorities. The Analyses of Alternatives support the preparation of the Capability Development Document, Key Performance Parameters and Thresholds values and tradeoff analysis. The cited work is consistent with the Army Science and Technology priority focus areas and the Army Modernization Strategy and Guidance. The Army is projecting to start work on multiple Analyses of Alternatives and will assess and fund the highest Congressional, Defense and Army Senior Leader's priorities during the year of execution.

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 request was reduced by \$0.058 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	11.095	11.234	11.247	-	11.247
Current President's Budget	10.690	11.234	9.865	-	9.865
Total Adjustments	-0.405	0.000	-1.382	-	-1.382
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-			
• SBIR/STTR Transfer	-0.404	-			
• Adjustments to Budget Years	-	-	-1.382	-	-1.382

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604100A / Analysis Of Alternatives	
<div>Change Summary Explanation</div> <div>Decrease in FY 2026 funding from previous President's Budget is due to a reduction in Analysis of Alternative efforts.</div>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604100A / Analysis Of Alternatives				Project (Number/Name) EC7 / Analysis Of Alternatives			
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
EC7: Analysis Of Alternatives	-	10.690	11.234	9.865	-	9.865	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project provides funding for analytical support of Analysis of Alternatives. Analyses of Alternatives are statutory requirements for Major Defense Acquisition Programs and regulatory for all other programs. Based on Department of Defense Instruction (DoDI) 5000.02, Analyses of Alternatives are required to be completed for a new start program prior to its first Milestone Decision. The Project provides analytical capability for Pre-Milestone A programs that emerge outside the normal budget or POM cycles. Normally these programs are without program managers and require analysis to support Congressional, Defense and Army Senior Leader's requirement and acquisition needs and priorities. The Analyses of Alternatives support the preparation of the Capability Development Document, Key Performance Parameters and Thresholds values and tradeoff analysis. The cited work is consistent with the Army Science and Technology priority focus areas and the Army Modernization Strategy and Guidance. The Army is projecting to start work on multiple Analyses of Alternatives beginning in Fiscal Year (FY) 2026, and will assess and fund the highest Congressional, Defense and Army Senior Leader's priorities during the year of execution.

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

	FY 2024	FY 2025	FY 2026
Title: Analysis of Alternatives	5.345	5.617	4.932
Description: This Project provides funding for analytical support for efforts such as: Long Range Precision Munition, Directed Energy Maneuver-Short Range Air Defense, Vehicle Protection Systems, Common Tactical Truck, and Ship to Shore Logistics Vessel. In addition, several Analyses of Alternatives started in FY 2023 and scheduled for FY 2024 will continue into FY 2025 will require analysis funding to include XM30 Mechanized Infantry Combat Vehicle, Integrated Tactical Network, Maneuver Support Vessel - Heavy, Next Generation Main Battle Tank, Lower Tier Air and Missile Defense Sensor, and Project Convergence.			
FY 2025 Plans: This Project provides funding for analytical support for efforts such as: Long Range Precision Munition, Directed Energy Maneuver-Short Range Air Defense, Vehicle Protection Systems, Common Tactical Truck, and Ship to Shore Logistics Vessel. In addition, several Analyses of Alternatives started in FY 2023 and scheduled for FY 2024 will continue into FY 2025 will require analysis funding to include XM30 Mechanized Infantry Combat Vehicle, Integrated Tactical Network, Maneuver Support Vessel - Heavy, Next Generation Main Battle Tank, Lower Tier Air and Missile Defense Sensor, and Project Convergence.			
FY 2026 Plans: This project provides funding for analytical support of Analyses of Alternatives (AoA) continuing from FY 2024 through FY 2026 and will require analysis funding for the following: Army Tactical Fires Analysis, Air Missile Defense Integrating Analysis, Project Convergence, Maneuver Air Defense, Counter-Small Unmanned Aerial Systems (UAS) Mix Study. In addition, TRAC continues			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>	Project (Number/Name) EC7 / <i>Analysis Of Alternatives</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
to support analytic needs for emerging pre-milestone A AoAs to inform decisions to achieve future Army, Department of Defense, and Congressional objectives.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease reflects planned lifecycle of this effort.			
Title: Analysis of Alternatives - DEVCOM Analysis Center		5.345	5.617
Description: The project conducts engineering mission effectiveness, engineering performance analyses, and provides cost-benefit trade-offs for defined alternative systems, items and components; These analyses support decisions for high priority AFC S&T programs and other critical Army studies.			4.933
FY 2025 Plans: Will continue analyses for new start programs that do not yet have an assigned Program Management Office. Will conduct technical analyses to inform Program requirement decisions that drive changes in system designs to achieve Army, Department of Defense, and Congressional priorities. Will conduct analyses with The Research and Analysis Center (TRAC) in accordance with a coordinated schedule, scope of study objectives as determined by Army Futures Command processes prior to Materiel Development Decisions. Will synchronize and prioritize Analyses of Alternatives and trade studies to support JROC, AROC and Acquisition Executive/Program decisions.			
FY 2026 Plans: Will conduct analyses in coordination with AFC's TRAC, Futures and Concepts Center (FCC), and DEVCOM Centers/ARL to identify concept capability and technology development gaps in the Army's Science and Technology (S&T) portfolio. Will conduct highest priority analyses to inform Programmatic decisions that drive changes in system designs to achieve future Army, Department of Defense, and Congressional objectives.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease reflects planned lifecycle of this effort.			
Accomplishments/Planned Programs Subtotals		10.690	11.234
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604100A / Analysis Of Alternatives				Project (Number/Name) EC7 / Analysis Of Alternatives					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Analytical Support for Analyses of Alternatives	MIPR	TBD : TBD	63.090	10.690	Oct 2023	11.234	Oct 2024	9.865	Oct 2025	-		9.865	0.000	94.879	-
Subtotal			63.090	10.690		11.234		9.865		-		9.865	0.000	94.879	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			63.090	10.690		11.234		9.865		-		9.865	0.000	94.879	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																				Date: June 2025								
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604100A / Analysis Of Alternatives										Project (Number/Name) EC7 / Analysis Of Alternatives								
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Identify Candidates for AoA Funding																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>	Project (Number/Name) EC7 / <i>Analysis Of Alternatives</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Identify Candidates for FY19 AoA funding	4	2018	3	2019
Issue FY19 AoA Funding	1	2020	4	2020
Identify Candidates for FY20 AoA funding	4	2019	3	2020
Issue FY 20 AoA Funding	1	2020	4	2020
Identify Candidates for FY21 AoA funding	4	2020	3	2021
Issue FY 21 AoA Funding	1	2021	4	2021
Identify Candidates for FY22 AoA funding	4	2021	3	2022
Issue FY 22 AoA Funding	1	2022	4	2022
Identify Candidates for AoA Funding	1	2023	4	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604101A I Small Unmanned Aerial Vehicle (SUAV) (6.4)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	4.956	1.800	-	-	0.000	-	-	-	-	-	-
BR6: Small Unmanned Aircraft System (6.4)	-	4.956	1.800	-	-	-	-	-	-	-	-	-

Note

This effort was realigned to Program Element (PE) 0609345A (Unmanned Aerial Systems Launched Effects Agile Systems Development) / Project A51 (Small Unmanned Aircraft System) as a part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.

A. Mission Description and Budget Item Justification

The Family of Small Uncrewed Aircraft systems are critical to the Army's Transformation in Contact. These systems ensure Army formations have the best existing and emerging technology at Battalion and below to allow ground-based forces to project power from land into other domains to defeat highly capable enemies, secure terrain, and consolidate gains. The Rucksack Portable Uncrewed Aircraft System (RPUAS) Family of Small Uncrewed Aircraft System (FoSUAS) requirements are transitioning to the Joint Small Uncrewed Aircraft System sUAS Capability Development Document (J-sUAS CDD) to solve current and emergent operational gaps by incorporating Modular Open Systems Approach (MOSA) including swappable payloads, advanced autonomy and software scalability. These systems provide battalion and below ground maneuver elements with critical situational awareness and enhanced force protection. The systems provide an organic and responsive reconnaissance and targeting capability with real-time Full Motion Video and sensor data. Each system will include aircraft, ground support equipment, ground control station and Uncrewed Vehicle Control (UVC) software.

The Short Range Reconnaissance (SRR) provides organic maneuver platoons an uncrewed air vehicle designed to support Reconnaissance, Surveillance, and Target Acquisition. The system has an aircraft weight of less than 5 lbs, a range of 3-5 km, and an endurance of 30 minutes. The system includes modular payloads, obstacle avoidance, target recognition, automated following, and networked capability.

Long Range Reconnaissance (LRR) System will provide organic maneuver battalions an uncrewed air vehicle designed to support Reconnaissance, Surveillance, and Target Acquisition (RSTA) efforts. The system will have an aircraft weight of less than 55 lbs., a range of 40-60 km and endurance of 5-10 hours. System will include Assured Positioning, Navigation and Timing (APNT), Electro-Optical/Infra-Red (EO/IR), laser targeting/designating, and kinetic architectures in a contested environment.

The Joint Tactical Autonomous Aerial Resupply System (JTAARS) is an autonomous aerial cargo delivery system, organic to the maneuver commander, that provides options for rapid and agile sustainment of highly mobile tactical combat forces, operating in a widely dispersed manner in the tactical support and close areas. JTAARS enables maneuver by reducing the tactical force's dependence on ground lines of communication and sustainment, reducing threats to manned convoys and manned aerial systems, lightening Soldier load, and shrinking the supply chain. JTAARS provides a lift capability of 125 lbs. over 13 km one way (26 km round trip).

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604101A / <i>Small Unmanned Aerial Vehicle (SUAV) (6.4)</i>
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FY 2026 funding to investigate GPS Denied Navigation systems, resilient APNT, advanced low probability of detect/intercept data-links for LRR, as well as, interfaces for common mission payloads (communications relay, electronic warfare payloads, and lethal munition payloads). Minimal funding for SRR to investigate SRR payload updates for SRR Next Generation.

B. Program Change Summary (\$ in Millions)	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>
Previous President's Budget	5.144	1.800	1.803	-	1.803
Current President's Budget	4.956	1.800	0.000	-	0.000
Total Adjustments	-0.188	0.000	-1.803	-	-1.803
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.188	-			
• Adjustments to Budget Years	-	-	-1.803	-	-1.803

Change Summary Explanation

Funding decrease reflects realignment to Program Element (PE) 0609345A (Unmanned Aerial Systems Launched Effects Agile Systems Development) / Project A51 (Small Unmanned Aircraft System) as a part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)				Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)			
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
BR6: Small Unmanned Aircraft System (6.4)	-	4.956	1.800	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, this effort was realigned to Program Element (PE) 0609345A (Unmanned Aerial Systems Launched Effects Agile Systems Development) / Project A51 (Small Unmanned Aircraft System) as a part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.

A. Mission Description and Budget Item Justification

The Family of Small Uncrewed Aircraft systems are critical to the Army's Transformation in Contact. These systems ensure Army formations have the best existing and emerging technology at Battalion and below to allow ground-based forces to project power from land into other domains to defeat highly capable enemies, secure terrain, and consolidate gains. The Rucksack Portable Uncrewed Aircraft System (RPUAS) Family of Small Uncrewed Aircraft System (FoSUAS) requirements are transitioning to the Joint Small Uncrewed Aircraft System sUAS Capability Development Document (J-sUAS CDD) to solve current and emergent operational gaps by incorporating Modular Open Systems Approach (MOSA) including swappable payloads, advanced autonomy and software scalability. These systems provide battalion and below ground maneuver elements with critical situational awareness and enhanced force protection. The systems provide an organic and responsive reconnaissance and targeting capability with real-time Full Motion Video and sensor data. Each system will include aircraft, ground support equipment, ground control station and Uncrewed Vehicle Control (UVC) software.

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The Joint Tactical Autonomous Aerial Resupply System (JTAARS) is an autonomous aerial cargo delivery system, organic to the maneuver commander, that provides options for rapid and agile sustainment of highly mobile tactical combat forces, operating in a widely dispersed manner in the tactical support and close areas. JTAARS enables maneuver by reducing the tactical force's dependence on ground lines of communication and sustainment, reducing threats to manned convoys and manned aerial systems, lightening Soldier load, and shrinking the supply chain. JTAARS provides a lift capability of 125 lbs. over 13 km one way (26 km round trip).

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)	Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Title: System Engineering Program Management</p> <p>Description: System Engineering Program Management (SEPM) support during development and integration of components for SRR, LRR, and JTAARS air vehicles.</p> <p>FY 2025 Plans: System Engineering and Program Management support of advanced component development activities for SRR, LRR. JTAARS SEPM efforts will be completed in FY24.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY26 and later was moved as a part of a realignment to PE 0609345A Unmanned Aerial Systems Launched Effects Agile Systems Development</p>			0.482	0.182	-
<p>Title: SRR Component Development and Integration</p> <p>Description: Engineering to develop and to integrate new, advanced components into SRR.</p> <p>FY 2025 Plans: Advanced component development and integration efforts for SRR.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY26 and later was moved as a part of a realignment to PE 0609345A Unmanned Aerial Systems Launched Effects Agile Systems Development</p>			0.800	0.345	-
<p>Title: JTAARS Demonstration and Experiment Prototypes</p> <p>Description: Initial RDT&E funding for JTAARS in FY24 provides coverage for 3 (ea) prototypes systems to support the demonstration and testing effort. Funding in FY2025 for JTAARS is in the 6.5 SUAV RDTE line.</p>			2.602	-	-
<p>Title: LRR Component Development/Integration</p> <p>Description: Engineering to develop, integrate and embed artificial intelligence enabled capabilities in advanced LRR flight controls, communications data links components, modular mission payload interface and resilient A-PNT.</p> <p>FY 2025 Plans: Advanced component development efforts for LRR</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			-	1.273	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)				Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY26 and later was moved as a part of a realignment to PE 0609345A Unmanned Aerial Systems Launched Effects Agile Systems Development												
Title: SRR Component Test and Evaluation										0.715	-	-
Description: Testing to evaluate components for the SRR Tranche 2 air vehicle.												
Title: JTAARS Demonstration and Experimentation Test										0.357	-	-
Description: Initial funding for JTAARS in FY2024 provides system test in preparation for the Demonstration and Experimentation efforts.												
Accomplishments/Planned Programs Subtotals										4.956	1.800	-
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	
• BR7: Small Unmanned Aircraft System (6.5)	20.865	24.474	-	-	-	-	-	-	-	-	-	
• A12511: SHORT RANGE RECONNAISSANCE	49.969	43.514	-	-	-	-	-	-	-	-	-	
• A12513: LONG RANGE RECONNAISSANCE	-	-	-	-	-	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Short Range Reconnaissance utilizes Middle Tier Acquisition pathway for rapid prototyping. SRR Tranche 1 successfully transitioned to a Major Capability Acquisition pathway at Production Decision. The SRR Tranche 2 successfully completed rapid prototyping and transitioned to the SRR Major Capability Acquisition Pathway at Production Decision in second quarter FY2025.												
The Long Range Reconnaissance Acquisition Shaping Panel (ASP) Acquisition Decision Memorandum (ADM) was approved for Major Capability Acquisition (MCA) on 1 Feb 2024. Materiel Development Decision (MDD) Acquisition Decision Memorandum (ADM) was approved for Material Solutions Analysis (MSA) Phase on 15 Dec 2024. Successful LRR Annex AROC chaired by the Chief of Staff of the Army (CSA) on 19 Dec 2024. Prototypes will be evaluated from two vendors in two phases that include Special User Elevations (SUE) and technical evaluations.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)	Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)
<p>The Joint Tactical Autonomous Aerial Resupply System (JTAARS) completed an ASP in fourth quarter FY2023 with direction from the Shaping Panel to conduct the FY2024 JTAARS assessment. Following the successful completion of the FY2024 capability assessment, PM UAS returned for a second ASP on 18 December 2024 and received concurrence to utilize the Urgent Capability Acquisition (UCA) pathway to accelerate the program.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604101A / <i>Small Unmanned Aerial Vehicle (SUAV) (6.4)</i>						Project (Number/Name) BR6 / <i>Small Unmanned Aircraft System (6.4)</i>			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering Program Management	Various	Various : Various	0.288	0.482	Oct 2023	0.182	Oct 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			0.288	0.482		0.182		-		-		-	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SRR Component development and Integration	Various	ACC Redstone : Redstone Arsenal	1.571	0.800	Feb 2024	0.345	Feb 2025	-		-		-	Continuing	Continuing	Continuing
JTAARS Demonstration & Experimentation	Various	ACC Redstone : Redstone Arsenal, AL	-	2.602	Jan 2024	-		-		-		-	Continuing	Continuing	Continuing
LRR Component Development and Integration	Various	ACC Redstone : Redstone Arsenal, AL	-	-		1.273	Jan 2025	-		-		-	Continuing	Continuing	Continuing
Subtotal			1.571	3.402		1.618		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SRR Component Test and Evaluation	Various	ACC Redstone : Redstone Arsenal	1.768	0.715	Aug 2024	-		-		-		-	Continuing	Continuing	Continuing
LRR Component Test and Evaluation	Various	ACC Redstone : Redstone Arsenal	-	0.357	Jul 2024	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			1.768	1.072		-		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)					Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)			
	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	3.627	4.956		1.800		-		-		-	Continuing	Continuing	N/A

Remarks

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0604101A / *Small Unmanned Aerial Vehicle (SUAV) (6.4)*

Project (Number/Name)

BR6 / Small Unmanned Aircraft System
(6.4)[illegible]

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604101A / Small Unmanned Aerial Vehicle (SUAV) (6.4)	Project (Number/Name) BR6 / Small Unmanned Aircraft System (6.4)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
SRR Tranche 2 Component Integration	2	2023	1	2025
LRR Component Development and Integration	4	2024	4	2025
JTAARS Demonstration Experimentation	2	2024	2	2025
Systems Engineering Program Management (SEPM)	2	2018	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604103A / Electronic Warfare Planning and Management Tool (EWPMT)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	2.260	2.004	-	-	0.000	-	-	-	-	-	-
DG4: NAVWAR SA	-	2.260	2.004	-	-	-	-	-	-	-	-	-

Note

Administrative realignment of FY26 RDT&E funds for Electronic Warfare Planning and Management Tool (EWPMT) was transferred to Budget Activity (BA) 9 Agile RDTE Portfolio Management under PE 0609278A Electronic Warfare Agile Systems Development / Project Code A87 Navigation Warfare (NAVWAR) to the Agile Funding Pilot.

A. Mission Description and Budget Item Justification

Adversaries are aggressively developing and fielding counter- Positioning, Navigation, and Timing (PNT) technologies that significantly reduce the Army's ability to access the electromagnetic spectrum (EMS) to conduct military operations. The Army is actively pursuing Navigation Warfare (NAVWAR) Situational Awareness (SA) capabilities to produce NAVWAR SA solutions that leverage Electromagnetic Warfare (EW) and Signal Intelligence (SIGINT) capabilities while enabling distinctly NAVWAR SA outcomes and provide soldiers with PNT overmatch by denying adversary access to PNT services.

NAVWAR SA provides commanders and soldiers with indications and warnings of PNT jamming to provide immediate notification to individual PNT users that their navigation and timing may be compromised by jamming or spoofing; detect, identify, and locate sources of PNT interference; allow command and control (C2) systems to display areas affected by interference with actionable information necessary to implement measures to mitigate or eliminate the threat. NAVWAR SA will create asymmetric opportunities to degrade and defeat an adversary's capabilities by denying their use of PNT and preserve PNT overmatch for friendly forces by creating a denied, degraded and/or disrupted operating environment for adversaries while opening windows of PNT superiority for friendly forces.

NAVWAR SA supports Multi-Domain Operations (MDO) as an enabler to precision fires, movement and maneuver, force tracking, and a host of data networks that tie personnel and weapon systems together into a joint or coalition force. NAVWAR SA provides globally responsive arms teams with the ability to present multiple dilemmas to the enemy, limit enemy options and exploit enemy weaknesses. NAVWAR SA directly enhances multiple warfighting functions to include fires, aviation, mission command, and electromagnetic warfare. NAVWAR SA is a system of systems approach of detecting, geolocating, and determining the impact area of Global Positioning System (GPS) in a contested environment and the effects on PNT across the battlefield. NAVWAR SA will leverage the GNSS Operational Assessment Tool (GOAT) that was developed for an urgent requirement and be integrated with the Electronic Warfare Planning and Management Tool (EWPMT) X system.

Requirement Documents Include:

- Abbreviated Capabilities Development Document (A-CDD) for the NAVWAR SA, Army Futures Command (AFC) validated, 22 October 2020.
- A-CDD for the NAVWAR Attack, AFC validated, 09 September 2022.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604103A / Electronic Warfare Planning and Management Tool (EWPMT)			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	2.260	2.004	1.628	-	1.628
Current President's Budget	2.260	2.004	0.000	-	0.000
Total Adjustments	0.000	0.000	-1.628	-	-1.628
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-1.628	-	-1.628
Change Summary Explanation					
In FY 2026, Program Element (PE) 0604103A Electronic Warfare Planning and Management Tool (EWPMT) was transferred to Budget Activity (BA) 9 Agile RDTE Portfolio Management under PE 0609278A Electronic Warfare Agile Systems Development / Project Code A87 Navigation Warfare (NAVWAR).					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>				Project (Number/Name) DG4 / NAVWAR SA			
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
DG4: NAVWAR SA	-	2.260	2.004	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
Fiscal Year 2026 through FY2030 funding was realigned to Budget Activity-9 (BA-9) Program Element (PE) 0609278A Project Code A87 Navigation Warfare and Budget Activity-5 (BA-5) Program Element (PE) 0604818A- Army Tactical Command & Control Hardware & Software Project Codes EK6 Tactical Enhancement and EK9 Tactical Network Operations and Management.												
A. Mission Description and Budget Item Justification												
There are no Base funds for project Navigation Warfare (NAVWAR) Situational Awareness (SA) (DG4) in Fiscal Year (FY) 2026.												
Adversaries are aggressively developing and fielding counter- Positioning, Navigation, and Timing (PNT) technologies that significantly reduce the Army's ability to access the electromagnetic spectrum (EMS) to conduct military operations. The Army is actively pursuing Navigation Warfare (NAVWAR) Situational Awareness (SA) capabilities to produce NAVWAR SA solutions that leverage Electromagnetic Warfare (EW) and Signal Intelligence (SIGINT) capabilities while enabling distinctly NAVWAR SA outcomes and provide soldiers with PNT overmatch by denying adversary access to PNT services.												
NAVWAR SA provides commanders and soldiers with indications and warnings of PNT jamming to provide immediate notification to individual PNT users that their navigation and timing may be compromised by jamming or spoofing; detect, identify, and locate sources of PNT interference; allow command and control (C2) systems to display areas affected by interference with actionable information necessary to implement measures to mitigate or eliminate the threat. NAVWAR SA will create asymmetric opportunities to degrade and defeat an adversary's capabilities by denying their use of PNT and preserve PNT overmatch for friendly forces by creating a denied, degraded and/or disrupted operating environment for adversaries while opening windows of PNT superiority for friendly forces.												
NAVWAR SA supports Multi-Domain Operations (MDO) as an enabler to precision fires, movement and maneuver, force tracking, and a host of data networks that tie personnel and weapon systems together into a joint or coalition force. NAVWAR SA provides globally responsive arms teams with the ability to present multiple dilemmas to the enemy, limit enemy options and exploit enemy weaknesses. NAVWAR SA directly enhances multiple warfighting functions to include fires, aviation, mission command, and electromagnetic warfare. NAVWAR SA is a system of systems approach of detecting, geolocating, and determining the impact area of Global Positioning System (GPS) in a contested environment and the effects on PNT across the battlefield. NAVWAR SA will leverage the GNSS Operational Assessment Tool (GOAT) that was developed for an urgent requirement and be integrated with the Electronic Warfare Planning and Management Tool (EWPMT) X system.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: NAVWAR SA									2.260	2.004	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>			Project (Number/Name) DG4 / NAVWAR SA				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
<p>Description: FY24-FY25: The integration of Navigation Warfare Situational Awareness (NAVWAR SA) Plexus software into the Electromagnetic Warfare Planning and Management Tool (EWPMT) includes the development of Application Program Interfaces (API) and testing. The Tactical Navigation Warfare (NAVWAR) Plexus preserves the effectiveness of Maneuvers and Fires missions by enabling the Commander to understand when Global Positioning System (GPS) jammers are present, where they are located, and what areas they are impacting.</p> <p>FY 2025 Plans: Continue software integration effort and demonstration.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased to \$0 in FY26 due to the transfer to the Agile Funding Pilot: Budget Activity-9 (BA-9) Program Element (PE) 0609278A Project Code A87 Navigation Warfare and Budget Activity-5 (BA-5) Program Element (PE) 0604818A- Army Tactical Command & Control Hardware & Software Project Codes EK6 Tactical Enhancement and EK9 Tactical Network Operations and Management.</p>											
Accomplishments/Planned Programs Subtotals							2.260	2.004	-		
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
• AV8: <i>Navigation Warfare (NAVWAR) Advanced Technology</i>	5.900	3.988	-	-	-	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
<p>The Navigation Warfare (NAVWAR) Situational Awareness (SA) acquisition strategy will utilize a mix of competitive Federal Acquisition Regulation contracts and Other Transaction Authority agreements. The strategy will follow a Soldier-centered design process and multiple User Assessments will be used throughout the prototype and development process to define the minimum viable product and minimum viable capability releases. The NAVWAR SA Acquisition Strategy accelerates critical NAVWAR SA technology development of operationally relevant systems to Army forces and Army Special Operations Forces (ARSOF) with tactically relevant, near-real-time indications and warning of signal integrity issues, adversary jamming or spoofing activity and other PNT interference or integrity issues. The strategies leverage existing commercial and government technical solutions to enable accelerated prototyping and experimentation of systems and assess operational feedback and User Assessments of developmental solutions to validate military utility. The strategies include the assessment of current Army spectrum visualization tools, mounted and dismounted Assured PNT (APNT) system receivers and electromagnetic warfare support (ES) capabilities. The NAVWAR SA strategy will accelerate the development of these critical enabling technologies and streamline the process of transitioning and fielding a scalable, interoperable and agile capability.</p>											

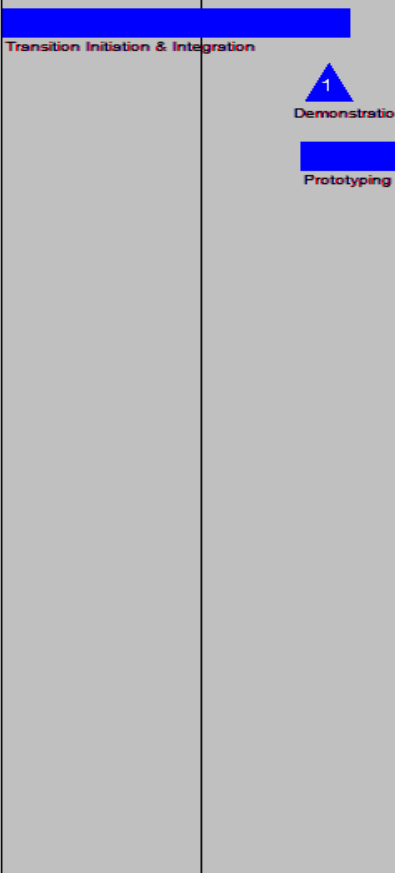
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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>	Project (Number/Name) DG4 / NAVWAR SA
Requirement Documents Include: - Abbreviated Capabilities Development Document (A-CDD) for the NAVWAR SA, Army Futures Command (AFC) validated, 22 October 2020. - A-CDD for NAVWAR Attack, AFC validated, 09 September 2022.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>				Project (Number/Name) DG4 / NAVWAR SA					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management & Technical Support	Various	PM Positioning, Navigation & Timing : Aberdeen Proving Ground, MD	-	0.176	May 2024	0.108	May 2025	-		-		-	0.000	0.284	Continuing
Subtotal			-	0.176		0.108		-		-		-	0.000	0.284	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical and Engineering Support	Various	Various : Various	-	2.084	Nov 2023	1.896	May 2025	-		-		-	0.000	3.980	Continuing
Subtotal			-	2.084		1.896		-		-		-	0.000	3.980	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	2.260		2.004		-		-		-	0.000	4.264	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 4								R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>								Project (Number/Name) DG4 / NAVWAR SA																
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Transition Initiation & Integration					Transition Initiation & Integration																											
Demonstration					1 Demonstration																											
Prototyping and operational assessments					Prototyping and operational assessments																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604103A / <i>Electronic Warfare Planning and Management Tool (EWPMT)</i>	Project (Number/Name) DG4 / NAVWAR SA	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Transition Initiation & Integration	1	2024	3	2025
Demonstration	3	2025	3	2025
Prototyping and operational assessments	3	2025	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0604113A / <i>Future Tactical Unmanned Aircraft System (FTUAS)</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	67.143	127.870	-	-	0.000	-	-	-	-	-	-
DH3: <i>Air Launched Effects (ALE)</i>	-	-	97.369	-	-	-	-	-	-	-	-	-
EX8: <i>Future Unmanned Aircraft System (FUAS)</i>	-	67.143	30.501	-	-	-	-	-	-	-	-	-

Note

In FY 2026, this effort was realigned to Budget Activity 09 Program Element (PE) 0609346A / UAS Launched Effects Agile Development as part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.

Project DH3 realigned to project A54 Air Launched Effects (ALE).
Project EX8 realigned to project A53 Unmanned Aircraft System (UAS).

A. Mission Description and Budget Item Justification

The Future Uncrewed Aircraft System (FUAS) is a critical system in the cross-domain capabilities concept that will employ multi-domain operation (MDO) capabilities at all echelons and allow ground-based forces to project power from land into other domains to defeat highly capable enemies, secure terrain, and consolidate gains.

FUAS encompasses an array of capabilities from platoon Soldiers to Division Commanders. The Army Requirements Oversight Council (AROC) approved the FUAS Initial Capabilities Document (ICD) on 6 Mar 2019.

FTUAS provides the Brigade Combat Teams (BCT) with transformational capabilities. FTUAS provides the BCT commander a runway independent, expeditionary reconnaissance, surveillance, and target acquisition (RSTA) capability through vertical takeoff and landing (VTOL) and on the move (OTM) command and control. FTUAS enhances survivability in a MDO environment through assured position, navigation, and timing (APNT) solutions; Type-1 encrypted datalinks; and a modular open systems approach (MOSA) that facilitates system upgrades at the pace of technology. FTUAS mitigates operation and support costs through organic sustainment capability, specifically through Soldiers conducting field level maintenance without contractor field service representatives. Additionally, FTUAS provides enhanced transportability, rapid deployability, expeditionary maneuver, and mobility for adaptive and agile operations. The AROC validation was completed on 17 May 2024, and AROC-M was signed on 8 July 2024 approving the updated A-CDD. One FTUAS system consists of 6 air vehicles and payloads, 6 control stations, and ancillary equipment. The aircraft subsystem includes the airframe, propulsion, avionics, communications, navigation, and software systems; aircraft-specific ground support equipment including power generation, transportation, or command and control equipment.

Launched Effects (LE) extends the speed, range, lethality and survivability of maneuver formations through the integration of air vehicles, mission systems, payloads, and behaviors. LE will provides Army formations with the ability to expedite and strengthening the kill web, facilitate the penetration and dis-integration the enemy's

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)				
Anti-Access Area Denial (A2AD) environment and extend the maneuver force's reach, lethality, and survivability. LE efforts are based on requirements from an AROC approved Abbreviated-Capability Development Document (A-CDD) approved 08 July 2024.						
Manned, optionally-manned, and uncrewed systems will penetrate defense-in-depth environments by employing LE with teaming and swarming effects to detect, decoy, jam radar and communications, conduct cyber-attack, spoof and jam Global Positioning System (GPS), and kinetic engagement.						
The FY 2026 cost of the Future Unmanned Aircraft System (FUAS) Air Launched Effects (ALE) Middle Tier of Acquisition effort is \$60.3 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		53.143	127.870	186.027	-	186.027
Current President's Budget		67.143	127.870	0.000	-	0.000
Total Adjustments		14.000	0.000	-186.027	-	-186.027
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		14.000	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Adjustments to Budget Years		-	-	-186.027	-	-186.027
Congressional Add Details (\$ in Millions, and Includes General Reductions)					FY 2024	FY 2025
Project: EX8: Future Unmanned Aircraft System (FUAS)						
Congressional Add: Resilient Battlefield Communication					10.000	-
Congressional Add: Secure A-PNT for FTUAS					4.000	-
Congressional Add Subtotals for Project: EX8					14.000	-
Congressional Add Totals for all Projects					14.000	-
Change Summary Explanation						
FY 2026 funding decrease from previous PB to current PB due to realignment to Budget Activity 09 Program Element (PE) 0609346A / UAS Launched Effects Agile Development as part of the Department of Defense Capability Based (Agile) Funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)				Project (Number/Name) DH3 / Air Launched Effects (ALE)			
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
DH3: Air Launched Effects (ALE)	-	-	97.369	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Beginning in FY 2025, LE efforts were realigned from PE 0604113A/Future Tactical Unmanned Aircraft System (FTUAS), DH3/Air Launched Effects (ALE) to 0609346A/UAS Launched Effects Agile Development , A54/Air Launched Effects (ALE) to better capture LE funding and reporting. This program is a part of the Department of Defense Capability Based (Agile) funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology. This funding is not a new start.												
Launched Effects (LE) extends the speed, range, lethality and survivability of maneuver formations through the integration of air vehicles, mission systems, payloads, and behaviors. LE will provides Army formations with the ability to expedite and strengthening the kill web, facilitate the penetration and dis-integration the enemy's Anti-Access Area Denial (A2AD) environment and extend the maneuver force's reach, lethality, and survivability. LE efforts are based on requirements from an Army Requirements Oversight Council (AROC) approved Abbreviated-Capability Development Document (A-CDD) approved 08 July 2024.												
In FY 2025, PM UAS will defer LE-Medium Range (MR) development to focus on LE launcher capability development for all LE variants in support of accelerate capability fielding to meet the The office of the Secretary of Defense (SECDEF) memo SUBJECT: Army Transformation and Acquisition Reform, dated 30 April 2025.												
In FY 2025, PM UAS will initiate Rapid Prototyping of the LE-Short Range (LE-SR) under the MTA pathway. This rapid prototyping effort involves the competitive selection of mature technologies to support two Lines of Effort (LOEs). LOE 1 focuses on providing an initial capability to 12 Army Divisions based on special user demonstration feedback. LOE 2 focuses on integrating additional capabilities on existing mature technologies.												
In FY 2026, PM UAS will initiate its LE-Long Range (LE-LR) program. This effort will include a Special User Demonstration in FY 2026, to include a Technology Maturation Event which will allow competitors in this space to offer their products (i.e., air vehicles and payloads) for evaluation of their components against the LE A-CDD requirement.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: LE System Development									-	97.369	-	
Description: Launched Effects (LE) will provide Army formations the ability to retain their asymmetric advantage in reach, protection, and lethality in the execution of Joint All-Domain Operations (JADO). The lethal and non-lethal air and ground capabilities of LE will provide seamless real-time integration of multiple warfighting functions in the execution of joint attack, reconnaissance, and security operations that create multiple dilemmas for the enemy. LE efforts are based on requirements from an AROC approved A-CDD approved 08 July 2024.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025			
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0604113A / <i>Future Tactical Unmanned Aircraft System (FTUAS)</i>			Project (Number/Name) DH3 / <i>Air Launched Effects (ALE)</i>				

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p><i>FY 2025 Plans:</i> FY2025 RDTE funds will be utilized to execute LE System Development to include system integration, system test and evaluation, systems engineering and program management and transportation.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2025 to FY 2026 decrease is due to Launched Effects realignment from PE 0604113A/Future Tactical Unmanned Aircraft System (FTUAS), DH3/Air Launched Effects (ALE) to 0609346A/UAS Launched Effects Agile Development, A54/Air Launched Effects (ALE) to better capture LE funding and reporting. This program is a part of the Department of Defense Capability Based (Agile) funding pilot, which provides enhanced capabilities by fostering innovation and accelerated deployment of promising technology.</p>			
Accomplishments/Planned Programs Subtotals	-	97.369	-

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• A00511: <i>Air Launched Effects</i>	-	14.163	-	-	-	-	-	-	-	-	-
Remarks											
<p>D. Acquisition Strategy</p> <p>The LE rapid prototyping effort is comprised of prototype development activities for the air vehicle, payloads, and mission system architecture as well as supporting experiments, simulations, and demonstrations conducted in parallel and/or sequential timelines which facilitate rapid prototyping to field mature, high Technology Readiness Level (TRL) Commercial Off The Shelf (COTS)/Non-Developmental Items (NDI) technologies and capabilities as a residual capability, while Science & Technology (S&T) efforts continue the maturation of emerging technologies required to fully realize required capabilities.</p> <p>The LE strategy is to acquire capability through an incremental approach that allows rapid prototyping and procurement of available capabilities while continuing to transition emerging S&T efforts.</p> <p>The LE contracting strategy is accomplished through multiple flexible contracting awards to assess and develop vendor technologies to rapidly prototype LE air vehicle, payloads and system architecture.</p>											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)				Project (Number/Name) DH3 / Air Launched Effects (ALE)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering and Program Management	Option/ TBD	PM UAS : Huntsville, AL	-	-		6.148	Aug 2025	-		-		-	0.000	6.148	Continuing
Subtotal			-	-		6.148		-		-		-	0.000	6.148	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Launch Effects Development & Integration	C/CPFF	ATI : TBD	-	-		82.367	Aug 2025	-		-		-	0.000	82.367	Continuing
Subtotal			-	-		82.367		-		-		-	0.000	82.367	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Test and Evaluation	Option/ TBD	RIAC, RTC : RIAC at DPG, RTC at Redstone Arsenal, PM UAS JSIL	-	-		8.854	Aug 2025	-		-		-	0.000	8.854	Continuing
Subtotal			-	-		8.854		-		-		-	0.000	8.854	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			-	-		97.369		-		-		-	0.000	97.369	N/A
Remarks FY 2025 to FY 2026 increase due to development, integration, and test of additional Launched Effects prototyping to address multiple size variants and payload capabilities.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)		Project (Number/Name) DH3 / Air Launched Effects (ALE)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
A-CDD			1																									
LE-Medium Range MTA Rapid Prototyping Continuation Decis...							2																					
LE-Medium Range MTA Rapid Prototyping																												
LE-Short Range MTA Rapid Prototyping Decision Point																												
LE-Short Range MTA Rapid Prototyping																												

Note
A dedicated Program Element 0604113A / Future Tactical Unmanned Aircraft System (FTUAS) Project: DH3 has been identified to capture LE funding/ reporting. All funding prior to FY25 will be captured jointly on Program Element: 0604113A Project: EX8

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604113A / <i>Future Tactical Unmanned Aircraft System (FTUAS)</i>	Project (Number/Name) DH3 / <i>Air Launched Effects (ALE)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
A-CDD	3	2024	3	2024
LE-Medium Range MTA Rapid Prototyping Continuation Decision Point	1	2025	1	2025
LE-Medium Range MTA Rapid Prototyping	3	2022	4	2025
LE-Short Range MTA Rapid Prototyping Decision Point	2	2025	2	2025
LE-Short Range MTA Rapid Prototyping	2	2025	4	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)				Project (Number/Name) EX8 / Future Unmanned Aircraft System (FUAS)			
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
EX8: Future Unmanned Aircraft System (FUAS)	-	67.143	30.501	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program is a part of the Department of Defense Capability Based (Agile) Funding Pilot. FUAS funding is realigned to PE 0609346A A53 starting in FY26.

Beginning in FY 2025, LE efforts were realigned within PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS) from Project EX8/Future Unmanned Aircraft System (FUAS) to project DH3/Air Launched Effects (ALE) to better capture LE funding and reporting.

FTUAS development efforts are based on requirements from the AROC approved Abbreviated Capability Development Document (A-CDD) signed 12 August 2021.

FTUAS provides the Brigade Combat Teams (BCTs) with transformational capabilities. Key capabilities of the FTUAS include vertical take-off and landing (VTOL), runway independence, enhanced transportability, rapid deployability, expeditionary maneuver, and mobility for adaptive and agile operations. Based on an A-CDD update for Army Requirements Oversight Council validation completed on 8 July 2024, one FTUAS system will consist of 6 air vehicles and 6 payloads, 6 control stations, and ancillary equipment. The aircraft subsystem will include the airframe, propulsion, avionics, communications, navigation, and software systems; aircraft-specific ground support equipment including power generation, transportation, or command and control equipment; aircraft software; and required engineering, logistics, programmatic support.

The FY 2026 cost of the Future Unmanned Aircraft System (FUAS) Air Launched Effects (ALE) Middle Tier of Acquisition effort is \$60.3 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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

	FY 2024	FY 2025	FY 2026
Title: Air Launched Effects (ALE) Systems Integration	19.439	-	-
Description: LE Systems Integration of the components to address the requirements from the approved A-CDD dated May 2020.			
Title: Air Launched Effects (ALE) Systems Engineering/Program Management	5.528	-	-
Description: SEPM			
Title: Future Tactical Unmanned Aircraft System (FTUAS) System Engineering/Program Management	2.818	2.745	-
Description: FTUAS Program Management			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)	Project (Number/Name) EX8 / Future Unmanned Aircraft System (FUAS)		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
FY 2025 Plans: Funding for SEPM aligns with current FTUAS strategy.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to the Rapid Prototyping effort completing in FY 2025 as the program transitions to production. NOTE: Funding moved to a new APE.					
Title: Future Tactical Unmanned Aircraft System (FTUAS) System Integration Description: The FTUAS is a runway independent Group 3 uncrewed aircraft system that provides Brigade Combat Teams with improved reconnaissance, surveillance and target acquisition capability.			10.808	17.756	-
FY 2025 Plans: Continue funding developmental test of FTUAS systems, integrate test findings, and provide manufacturing representative systems for unit operational assessment.					
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to the Rapid Prototyping effort completing in FY 2025 as the program transitions to production. NOTE: Funding moved to a new APE.					
Title: Future Tactical Unmanned Aircraft System (FTUAS) Test and Evaluation FY 2025 Plans: Continue conducting developmental and qualification testing for FTUAS.			14.550	10.000	-
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to the completion of the Operational Assessment. The Rapid Prototyping effort completes in FY 2025 as the program transitions to production. NOTE: Funding moved to a new APE.					
Accomplishments/Planned Programs Subtotals			53.143	30.501	-
		FY 2024	FY 2025		
Congressional Add: Resilient Battlefield Communication		10.000	-		
FY 2024 Accomplishments: Award Resilient Battlefield Communication scope.					
Congressional Add: Secure A-PNT for FTUAS		4.000	-		
FY 2024 Accomplishments: Award Secure A-PNT for FTUAS scope.					
Congressional Adds Subtotals		14.000	-		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)	Project (Number/Name) EX8 / Future Unmanned Aircraft System (FUAS)	

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
• A01311: Future Tactical Unmanned Aircraft System (TUAS)	-	129.019	-	-	-	-	-	-	-	-	-

Remarks

Program Element A01311 Future Tactical Unmanned Aircraft System (FTUAS) is an Aircraft Procurement line the Army will utilize to procure FTUAS systems and mature material to maintain program schedule.

D. Acquisition Strategy

FTUAS is being developed under a Middle Tier Acquisition (MTA) effort in accordance with the FTUAS Acquisition Decision Memorandum (ADM) dated 22 August 2022. The intent of the FTUAS MTA-RP effort is to meet the full complement of the August 2021 A-CDD requirements as the Program of Record. This multi-year development effort, commenced in 4QFY22 upon award to five vendors. It progresses through major design reviews, including a Systems Requirements Review (SRR), Preliminary Design Review (PDR), Critical Design Review (CDR), and Production Readiness Review (PRR); additionally, all developmental testing is conducted under the Rapid Prototyping effort. Prototyping completion and First Unit Issued (FUI) are scheduled for FY25.

FTUAS will request follow-on acquisition pathway decision authority in 4QFY25. Based on an A-CDD update for Army Requirements Oversight Council validation completed on 8 July 2024, one FTUAS system will consist of 6 air vehicles and 6 payloads, 6 control stations, and ancillary equipment - representing a significantly reduced logistics footprint than the legacy system.

FTUAS Production will emphasize flexibility for the Army regarding the following: funding for baseline contract and modifications, logistics products for initial and follow-on fielding events, development and implementation of the Training Support Package (TSP), iterative implementation of New Equipment Fielding (NEF) / New Equipment Training (NET), soldier engagement and testing processes during Operational Assessment, support for procurement of additional air vehicles to cover attrition, support for personnel supporting production and sustaining engineering, and maintenance of data rights established during the MTA-RP effort.

FTUAS uses a Modular Open Systems Approach (MOSA) that supports rapid integration of hardware and software. The FTUAS data rights strategy secures the necessary intellectual property, prior to contract award, to eliminate reliance on the system's prime contractor. Breaking this vendor lock enables FTUAS to execute a transformational business strategy where the Army can contract directly with technology suppliers, Government labs, and Other Government Agencies for design and integration upgrades. This business strategy allows FTUAS to quickly maneuver both contractually and programmatically to on-ramp and off-ramp vendors to meet future Army requirements.

Sustainment of the program includes three years of Interim Contractor Logistics Support (ICS) transitioning to organic Army capabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)				Project (Number/Name) EX8 / Future Unmanned Aircraft System (FUAS)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering and Program Management (SEPM)	Various	PM TUAS : Redstone Arsenal	13.626	8.346	Feb 2024	2.440	Mar 2025	-		-		-	Continuing	Continuing	-
Subtotal			13.626	8.346		2.440		-		-		-	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Launched Effects (ALE) Systems Integration	Various	PM TUAS : Redstone Arsenal	92.577	19.349	Mar 2024	-		-		-		-	Continuing	Continuing	-
Future Tactical Unmanned Aircraft System (FTUAS)	Various	AMTC : Redstone Arsenal	184.948	24.898	Aug 2024	24.585	Jul 2025	-		-		-	Continuing	Continuing	-
Subtotal			277.525	44.247		24.585		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	TBD	AMTC, ATEC, RTC, and ACC : Redstone	-	14.550	Dec 2023	3.476	Mar 2025	-		-		-	Continuing	Continuing	-
Subtotal			-	14.550		3.476		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			291.151	67.143		30.501		-		-		-	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604113A / Future Tactical Unmanned Aircraft System (FTUAS)		Project (Number/Name) EX8 / Future Unmanned Aircraft System (FUAS)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FTUAS Competitive Prototyping																												
FTUAS Developmental Test & Evaluation																												
FTUAS Acquisition Pathway Decision																												
FTUAS Operational Assessment																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604113A / <i>Future Tactical Unmanned Aircraft System (FTUAS)</i>	Project (Number/Name) EX8 / <i>Future Unmanned Aircraft System (FUAS)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FTUAS Competitive Prototyping	1	2023	3	2025
FTUAS Developmental Test & Evaluation	2	2024	4	2025
FTUAS Acquisition Pathway Decision	4	2025	4	2025
FTUAS Operational Assessment	4	2025	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0604114A / <i>Lower Tier Air Missile Defense (LTAMD) Sensor</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	511.014	127.428	196.448	-	196.448	-	-	-	-	-	-
EX2: <i>Lower Tier Air Missile Defense (LTAMD) Capability</i>	-	511.014	127.428	196.448	-	196.448	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

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

The Lower Tier Air Missile Defense Sensor (LTAMDS) is the Army's premier next generation radar intended to sense and track Tactical Ballistic Missiles and Air Breathing Threats; expand the lower tier air and missile defense battlespace and provide 360-degree sensing capability, surveillance, and fire control quality data.

The LTAMDS Radar Set (RS) replaces the baseline Patriot RS (AN/MPQ-65A) in an Integrated Air and Missile Defense Battle Command System (IBCS) enabled Patriot Battalion mitigating risk associated with threat advances and decreases Operations and Support (O&S) costs due to growing obsolescence. Additionally, the LTAMDS RS capability maximizes the inherent PAC-3 Missile Segment Enhancement (MSE) Interceptor capabilities to engage threats at greater ranges addressing critical capability gaps, providing modernized technology, and increasing reliability and maintainability.

Major LTAMDS Continuous Integration/Continuous Delivery (CI/CD) efforts include tactical software and model and simulation development, integration, and testing to increase overall LTAMDS capability against novel and stressing threats, thus providing the warfighter a leading advantage in a contested environment.

Combat Identification/ Discrimination (CID) Updates: This includes CID development and upgrades to improve radar classification, discrimination, and optimization of multi-function capabilities to enhance performance against current and emerging threats in stressing environments. Upgrades play a critical role in increasing operational effectiveness by providing the warfighter enhanced command and control, effective resource allocation measures, and improved situational awareness.

Advanced Threat Defeat: LTAMDS will continue to counter adversary threat evolution in complexity, capability, and capacity in simultaneous combatant commands. This development effort is required to continue to provide overmatch radar capability.

Support: Product Development funding in FY 2026 supports development, integration, and modifications for LTAMDS support equipment to include the Large Tactical Power System (LTPS), M870A4 trailer, and M983A4 Heavy Expanded Mobility Tactical Truck (HEMTT) Light Equipment Transporters (LET). These upgrades ensure the support equipment remains compatible with evolving system capabilities.

Test and Evaluation funding in FY 2026 supports the initiation of the LTAMDS IOT&E which includes a series of tests to validate system integration and optimized capabilities. Testing will focus on performance evaluation across a range of realistic operational scenarios and against various threat types. Initiation of this event is critical for ensuring LTAMDS readiness, assessing operational suitability, validating technical maturity, and achieving key program milestones. LTAMDS will initiate

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor				
IOT&E in FY 2026, starting with training, followed by a series of increasingly complex Missile Flight Tests (MFT) against a wide range of threat representatives. Funding also enables continuous transformation to conduct theater-level experimentation at command and joint levels within Combatant Commands.						
The FY 2026 request for Lower Tier Air Missile Defense (LTAMD) Sensor includes \$196,448 thousand of discretionary and \$14,000 thousand of mandatory (reconciliation) for a total of \$210,448 thousand.						
The mandatory funds will develop and test 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 complex environments. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		816.663	149.463	122.785	-	122.785
Current President's Budget		511.014	127.428	196.448	-	196.448
Total Adjustments		-305.649	-22.035	73.663	-	73.663
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-286.290	-22.035			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-19.359	-			
• Adjustments to Budget Years		-	-	73.663	-	73.663
Change Summary Explanation						
FY24 mark of \$286.290M for fielding sensors early to need.						
FY25 Current President's Budget reduction based on unjustified growth.						
The FY25 to FY26 increase of \$73.663 supports enhancements, advanced threat survivability, and operational testing.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor				Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability			
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
EX2: Lower Tier Air Missile Defense (LTAMD) Capability	-	511.014	127.428	196.448	-	196.448	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The FY2026 request for LTAMDS includes \$196,448 thousand of discretionary and \$14,000 thousand of mandatory (reconciliation) for a total of \$210,448 thousand. The discretionary funds will be used to continue LTAMDS RS Continuous Integration and Continuous Delivery (CI/CD) of software and hardware capability, support initiation of the LTAMDS Initial Operational Test & Evaluation (IOT&E) as part of the FY 2026 Integrated Fires Test Campaign, and continue development, modifications, and integration efforts for LTAMDS ancillary support equipment. The mandatory funds will develop and test 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 complex environments. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.

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

The Lower Tier Air Missile Defense Sensor (LTAMDS) is the Army's premier next generation radar intended to sense and track Tactical Ballistic Missiles and Air Breathing Threats; expand the lower tier air and missile defense battlespace and provide 360-degree sensing capability, surveillance, and fire control quality data.

The LTAMDS Radar Set (RS) replaces the baseline Patriot RS (AN/MPQ-65A) in an Integrated Air and Missile Defense Battle Command System (IBCS) enabled Patriot Battalion mitigating risk associated with threat advances and decreases Operations and Support (O&S) costs due to growing obsolescence. Additionally, the LTAMDS RS capability maximizes the inherent PAC-3 Missile Segment Enhancement (MSE) Interceptor capabilities to engage threats at greater ranges addressing critical capability gaps, providing modernized technology, and increasing reliability and maintainability.

Major LTAMDS Continuous Integration/Continuous Delivery (CI/CD) efforts include tactical software and model and simulation development, integration, and testing to increase overall LTAMDS capability against novel and stressing threats, thus providing the warfighter a leading advantage in a contested environment.

Combat Identification/ Discrimination (CID) Updates: This includes CID development and upgrades to improve radar classification, discrimination, and optimization of multi-function capabilities to enhance performance against current and emerging threats in stressing environments. Upgrades play a critical role in increasing operational effectiveness by providing the warfighter enhanced command and control, effective resource allocation measures, and improved situational awareness.

Advanced Threat Defeat: LTAMDS will continue to counter adversary threat evolution in complexity, capability, and capacity in simultaneous combatant commands. This development effort is required to continue to provide overmatch radar capability.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor	Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability		
Support: Product Development funding in FY 2026 supports development, integration, and modifications for LTAMDS support equipment to include the Large Tactical Power System (LTPS), M870A4 trailer, and M983A4 Heavy Expanded Mobility Tactical Truck (HEMTT) Light Equipment Transporters (LET). These upgrades ensure the support equipment remains compatible with evolving system capabilities.					
Test and Evaluation funding in FY 2026 supports the initiation of the LTAMDS IOT&E which includes a series of tests to validate system integration and optimized capabilities. Testing will focus on performance evaluation across a range of realistic operational scenarios and against various threat types. Initiation of this event is critical for ensuring LTAMDS readiness, assessing operational suitability, validating technical maturity, and achieving key program milestones. LTAMDS will initiate IOT&E in FY 2026, starting with training, followed by a series of increasingly complex Missile Flight Tests (MFT) against a wide range of threat representatives. Funding also enables continuous transformation to conduct theater-level experimentation at command and joint levels within Combatant Commands.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Title: Lower Tier Missile Defense Sensor			511.014	122.777	196.448
Description: Provides the required sensing capabilities in the lower tier portion of the air and missile defense battlespace and expands the battlespace for the PAC-3 MSE interceptor.					
FY 2025 Plans:					
Program Activities:					
- Continue Government Development, Testing and Evaluation					
- Complete Full Sector Operational Assessment					
- Complete Large Tactical Power System (LTPS) development and Government Testing					
- Continue development of critical Program capabilities					
- Continue P3I sensor enhancements for inclusion into Full Rate Production Configuration					
- Support AMD Survivability efforts					
- Continue MS C walk-up activities.					
- Complete Qualification Testing					
- Begin P3I DT/OT					
Integration:					
- Conduct an Operational Assessment as part of the Integrated Fires FY2025 Test Campaign					
- Continue integration with IBCS					
- Continue integration with PATRIOT family of interceptors (PAC-2 GEM-T, PAC-3, PAC-3 MSE)					
- Continue digital modeling and simulation activities					
Early Operational Capability					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604114A / <i>Lower Tier Air Missile Defense (LTAMD) Sensor</i>		Project (Number/Name) EX2 / <i>Lower Tier Air Missile Defense (LTAMD) Capability</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>- Continue support of Guam Defense Systems (GDS) activities.</p> <p>FY 2026 Plans: Management Services: Funding in FY 2026 provides continued mission essential office operations, programmatic analysis, and functional services in direct support of the LTAMDS Product Office. Funding also supports continued development of formal acquisition documentation in support of acquisition milestones and objectives, management of ongoing contract actions, and LTAMDS operations and reporting.</p> <p>Product Development: Funding in FY 2026 continues critical LTAMDS Continuous Integration and Continuous Delivery (CI/CD) of capability. This includes development efforts in support of software, modeling and simulation, Combat Identification/Discrimination (CID) updates, advanced threat defeat development and integration through continued software integration, delivery, and testing required to support radar enhancements.</p> <p>Support: Funding in FY 2026 supports the development, modifications, and integration of the LTAMDS support equipment.</p> <p>Test and Evaluation: Funding in FY 2026 includes initiation of the LTAMDS IOT&E informing operational effectiveness of the LTAMDS RS. Additional activities include component contractor verification and developmental testing leading to participation in IFTC 26. Funds provide for Continuous Transformation and Experimentation in Combatant Commands. Funding also supports test and evaluation to support program assessments and progress toward closure of identified performance gaps.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 reflects LTAMDS IOT&E and continued capability development.</p>					
<p>Title: SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2025 Plans: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			-	4.651	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025			
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604114A / <i>Lower Tier Air Missile Defense (LTAMD) Sensor</i>			Project (Number/Name) EX2 / <i>Lower Tier Air Missile Defense (LTAMD) Capability</i>			
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026	
Funding transferred in accordance with Title 15 USC §638.										
Accomplishments/Planned Programs Subtotals							511.014	127.428	196.448	
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
• C12101: <i>Lower Tier Air and Missile Defense Sensor</i>	149.599	387.629	637.473	-	637.473	-	-	-	-	-
Remarks										
D. Acquisition Strategy										
On 25 September 2018, the Army Acquisition Executive (AAE) approved the execution of the LTAMDS Middle Tier Acquisition (MTA) (Sec. 804) for rapid prototyping.										
The Army conducted a Sense-Off in 3Q FY 2019 with multiple vendors to demonstrate advanced sensor capabilities with a follow-on competitive source selection informing the LTAMDS Product Office Other Transaction Authority (OTA) award to a single vendor. In 1Q FY 2020, Raytheon was selected to deliver six (6) prototypes to support USG Developmental and Operational testing in support of MS C. LTAMDS entered the Major Capability Acquisition Pathway at MS C in FY25.										
LTAMDS Product Office plans to initiate an IOTE in FY26 which will inform a Full Rate Production decision projected for FY28.										
The LTAMDS program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.										

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor				Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Program Management	MIPR	Various : Redstone Arsenal, AL	29.795	4.950	Nov 2023	4.753	Nov 2024	4.217	Nov 2025	-		4.217	Continuing	Continuing	-
Systems Engineering and Technical Assistance (SETA)	Various	Systems Engineering and Technical Assistance : Huntsville, AL	37.664	7.929	Feb 2024	7.962	Feb 2025	7.843	Feb 2026	-		7.843	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	Various : Various	-	-		4.651		-		-		-	Continuing	Continuing	-
Subtotal			67.459	12.879		17.366		12.060		-		12.060	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development Support	C/Various	University Affiliated Research Center (UARC); MIT; The Federally Funded Research and Development Center (FFRDC) : Various	42.229	13.920	Nov 2023	12.091	Nov 2024	-		-		-	Continuing	Continuing	-
OGA Integration (LTPS)	C/Various	Various : Various	88.749	37.970	Dec 2023	19.948	Dec 2024	9.080	Dec 2025	-		9.080	Continuing	Continuing	-
Pre-Planned Product Improvements	Various	Raytheon : Various	272.486	375.085	Feb 2024	27.582	Feb 2025	-		-		-	Continuing	Continuing	-
PDI	Option/ Various	Raytheon : Various	-	-		8.254	Mar 2025	-		-		-	Continuing	Continuing	-
Continuous Integration/ Continuous Delivery	Option/ Various	Various : Various	-	-		-		38.462	Dec 2025	-		38.462	Continuing	Continuing	-
Classification, Identification, and Discrimination	Various	Various : Various	-	-		-		12.380	Jan 2026	-		12.380	Continuing	Continuing	-
Advanced Threat Defeat	Various	Various : Various	-	-		-		25.386	Dec 2025	-		25.386	Continuing	Continuing	-
Subtotal			403.464	426.975		67.875		85.308		-		85.308	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor				Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/Various	Army Laboratories, S3I System Integration Laboratory, CCDC : Various	20.304	10.550	Dec 2023	10.026	Dec 2024	12.948	Dec 2025	-		12.948	Continuing	Continuing	-
Subtotal			20.304	10.550		10.026		12.948		-		12.948	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test	Various	RDEC, SED, WSMR-T&E Support : Huntsville, AL; White Sands, NM	213.376	60.610	Feb 2024	32.161	Feb 2025	56.884	Feb 2026	-		56.884	Continuing	Continuing	-
Continuous Transformation Through Operational Integration, Demonstration, and Experimentation	Various	Various : Various	-	-		-		29.248	Oct 2025	-		29.248	Continuing	Continuing	-
Subtotal			213.376	60.610		32.161		86.132		-		86.132	Continuing	Continuing	N/A
Remarks															
Increase in test costs is associated with initiation of IOT&E.															
			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			704.603	511.014		127.428		196.448		-		196.448	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor		Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Developmental Test & Evaluation																												
IOT&E																												
Continuous Integration/Continuous Delivery																												
Continuous Transformation and Experimentation																												
Milestone C Decision																												
Large Tactical Power System (LTPS) Prototyping																												
Large Tactical Power System (LTPS) Integration																												
Component Verification Testing Leading to IFTCs																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604114A / Lower Tier Air Missile Defense (LTAMD) Sensor	Project (Number/Name) EX2 / Lower Tier Air Missile Defense (LTAMD) Capability	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Developmental Test & Evaluation	3	2023	4	2030
IOT&E	4	2026	1	2027
Continuous Integration/Continuous Delivery	3	2020	4	2031
Continuous Transformation and Experimentation	1	2026	1	2027
Milestone C Decision	2	2025	2	2025
Large Tactical Power System (LTPS) Prototyping	4	2022	3	2025
Large Tactical Power System (LTPS) Integration	2	2025	3	2026
Component Verification Testing Leading to IFTCs	4	2024	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	244.710	252.000	267.619	-	267.619	-	-	-	-	-	-
AX3: <i>Technology Maturation Initiatives</i>	-	244.710	252.000	267.619	-	267.619	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) funds the Technology Maturation Initiative (TMI), which matures and integrates component technologies into early system and sub-system experimental prototypes for demonstration in relevant environments and tactical/operational scenarios. The Technology Maturation Initiative takes emerging Science and Technology (S&T) Technology Readiness Level (TRL) 6 products to a goal of TRL 7, integrating them into technology demonstrators and experimental prototypes that meet existing Program of Record (PoR) requirements and reduce the risk of technology insertion for future acquisition programs. This Initiative streamlines the development and insertion of mature technologies that support advanced ground systems; aviation systems; command, control, communication and reconnaissance systems and equipment; precision and hypersonic weapons; navigation and situational awareness systems; and Soldier equipment. It provides the Army an improved mechanism for incorporating innovative technologies and advanced capabilities in the early stages of acquisition program planning, and more closely aligns high-priority S&T products and Programs of Record modernization plans.

This PE also provides a tiered evaluation and feasibility application of innovation and disruptive technologies to Army capability gaps at any stage in a technology's lifecycle. The project will partner with academia, small, non-traditional companies, and the defense industrial base to incubate ideas, stage pilot evaluations and to ensure more rapid integration and prototyping of the best, most innovative solutions into Army systems. Project teams comprised of both Science and Technology Subject Matter Experts (SMEs) and PoR technical leads to develop the project concept, execute the program, fabricate and evaluate the prototype, and develop the acquisition plan for incorporating the technology into the PoR upon successful evaluation of the prototype.

Through the Army's Technology Maturation Board, Army senior leadership approves Technology Maturation Initiative projects prior to budget year programming based on priority and opportunity, ensuring that demonstrations have a high potential for filling capability gaps, and the project's plan for transitioning to Army PoRs. Approved Technology Maturation Initiative projects are typically 1-3 years in duration and are budgeted under Project AX3.

The cited work is consistent with the Under Secretary of Defense, Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by Assistant Secretary of the Army for Acquisition, Logistics and Technology and the Army Research, Development, Test and Evaluation (RDT&E) Enterprise.

The FY 2026 request was reduced by \$0.775 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604115A / Technology Maturation Initiatives			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	281.314	252.000	257.310	-	257.310
Current President's Budget	244.710	252.000	267.619	-	267.619
Total Adjustments	-36.604	0.000	10.309	-	10.309
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-23.337	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-3.851	-			
• SBIR/STTR Transfer	-9.416	-			
• Adjustments to Budget Years	-	-	10.309	-	10.309
Change Summary Explanation					
Increase in FY26 from the previous PB to the current PB reflects a funding increase to in support of Electronic Warfare, Counter-Unmanned Aircraft Systems, Signal Intelligence, and Autonomy to enable operational flights in degraded visual environments.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>				Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
AX3: <i>Technology Maturation Initiatives</i>	-	244.710	252.000	267.619	-	267.619	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

The below program are new start efforts for 2026.

Advanced Laser Protection for Direct View Optics (DVO)

Small unit Attack and Counter Drone (SMAC'D)

Tactical Microgrid (AMMPS)

Rapid improved Mobile Chemical Agent Detector (R-iMCAD)

Scalable family of Systems and Components for Electronic Warfare (EW)/Counter-Unmanned Aircraft Systems (C-UAS)

Arctic BB-2590 Battery

Operational Single Cell for Accessory Readiness (OSCAR) for FWS-I

Enhanced Seeker PrSM Inc. 4

Autonomous Offroad Driving

Multi-Spectral Sensing for Intelligence

Command and Control for Terrain Shaping

Next Generation Command and Control Prototyping

The below program are completed in 2026.

Autonomous Operations for Unmanned Aerial Systems (UAS)

Air Launched Effects (ALE) Off-board Survivability

Tactical Analytics Architecture (TA2)

Tactical Navigation Warfare (NAVWAR) Plexus

Assured Navigation for Future Tactical Unmanned Aerial Systems (FTUAS)

Collaborative Links for Integrated Fires

Reconfigurable Aperture Precision Targeting Radar (RAPTR) for Vehicle and Dismount Exploitation Radar (VADER) (RADER)

A. Mission Description and Budget Item Justification

This Project funds the Technology Maturation Initiative (TMI), which matures and integrates component technologies into early system and sub-system experimental prototypes for demonstration in relevant environments and tactical/operational scenarios. The focus is to improve technology transition to Programs of Record (PoR) supporting 3 categories of projects: (1) Super system projects that prototype, integrate, and demonstrate emerging technologies that fill requirements across traditional

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
PEO/PoR boundaries. (2) Technology Product Prototyping projects that mature technologies from S&T BA3 that have demonstrated at TRL6, but are experimental prototypes with higher risk (but potentially greater impact) than the baseline approach currently taken by a PoR, (3) Emerging / Disruptive Technology Opportunity projects (from S&T, industry, or non-traditional sources) that require out-of-cycle funding to prototype and evaluate disruptive impact against PoR requirements (threshold or objective).				
This Initiative streamlines the development and insertion of mature technologies that support advanced ground systems; aviation systems; command, control, communication and reconnaissance systems and equipment; precision and hypersonic weapons; navigation and situational awareness systems; and Soldier equipment. It provides the Army an improved mechanism for incorporating innovative technologies and advanced capabilities in the early stages of acquisition program planning, and more closely aligns high-priority S&T products and Programs of Record modernization plans.				
The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.				
Work in this Project is performed by Assistant Secretary of the Army for Acquisition, Logistics and Technology and the Army Research, Development, Test and Evaluation (RDT&E) Enterprise.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Universal MDO Fire Control and SA Systems Description: This effort supports experimental prototypes to demonstrate high priority capability to provide mid to large caliber weapon platforms a real time 360-degree situational awareness (SA) and sensor input to the targeting / firing control systems. This effort will prototype a common architecture and interface kit containing infrared/radio frequency (IR/RF) sensors to ensure interoperability and sustainment across platforms. This effort is needed to enable a timely start of common architecture and interface definitions and interface hardware development that supports a platform agnostic prototype demonstration of 360-degree sensing system for fire control and SA across dynamic battlefield conditions. The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.		20.937	-	-
Title: Anubis Software Defined Chipset for M-Code and Advanced PNT Applications Description: This effort supports experimental prototypes to demonstrate M-Code Global Positioning System (GPS) receiver capability on a commercially available System on Chip (SoC). This effort will prototype mounted, dismounted, and munition GPS receiver reference designs to be used for testing and evaluation and then insertion into Army Programs of Record. This effort will also include security certification through Space Force to handle the required encryption keys. The cited work is consistent with the Army Modernization Strategy.		19.397	-	-
Title: Target Seeking (TS) - Extended Range (ER) Seeker (TS-ER) Description: The TS-ER Seeker will combine advances made by the Strategic Capabilities Office, Defense Advanced Research Projects Agency, Air Force, and Army in the fields of airframes, electronics, and seeker technologies to enable: extended range		21.313	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
performance from 70km to 150km by integrating with advanced airframes; decrease risk of performance against red force countermeasures from medium to low by improving Automatic Target Recognition capability; improve munition terminal effects against armored targets and Integrated Air Defense Systems by enhancing munition accuracy. These seeker technologies will be integrated with the XM1155 Extended Range Artillery Projectile, with the requirement to prosecute moving or relocated targets in Global Positioning System denied environments at extended ranges (150km in accordance with the Cannon Delivered Area Effects Munition (C-DAEM) draft Capabilities Development Document). Enhanced seeker technologies will be critical in enabling munition performance at these ranges with high target location error.				
<p>Title: Autonomous Operations for Unmanned Aerial Systems (UAS)</p> <p>Description: Autonomous Operations for Uncrewed Aerial Systems (UAS) will provide Army aircraft reconnaissance, targeting and weapon options to engage and defeat threat targets at standoff. It will provide crewed and uncrewed aircraft capabilities to operate dispersed as part of the larger collaborative lethality network or as autonomous contributors for reconnaissance, surveillance, and target acquisition (RSTA).</p> <p>FY 2025 Plans: Continue technology maturation for CONOPS, execute additional demonstration flight tests, and coordinate actions with Off-Board Survivability (OBS) to integrate software between the systems. Submit final reports and complete integration to the PM UAS Family of Systems Architecture and Requirements Specification for various Programs of Record.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.</p>		33.193	29.061	-
<p>Title: Air Launched Effects (ALE) Off-board Survivability</p> <p>Description: This effort will develop a new variant of the LE Family of Systems focused on protection of the crewed helicopter fleet in contested environments. The effort will mature multispectral payloads that offload survivability and targeting functions from crewed platforms.</p> <p>FY 2025 Plans: Continue technology maturation for OBS CONOPS and execute initial flight tests for both EW and IR payloads. Execute additional flight tests for each payload. Coordinate actions with Autonomy TMI to integrate software between the systems. Submit final reports, and complete integration to the PM UAS Family of Systems Architecture and Requirements Specification for various Programs of Record.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>		32.334	33.212	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
The funding decrease is due to project completion and transition to PORs.				
<p>Title: Tactical Analytics Architecture (TA2)</p> <p>Description: This effort will prototype Artificial Intelligence (AI) software/algorithms and hardware for AI-Enabled Command and Control (C2) Common Operating Picture (COP) / decision-support for Multi-Domain Operations at multiple echelons. Increased speed and accuracy of decision making will be demonstrated thru integration of AI-enabled decision support technologies that are emerging from Science and Technology programs and existing C2 systems used across warfighting functions and domains.</p> <p>FY 2025 Plans: Integrate and demonstrate the TA2 prototype AI-based algorithms into program of record Command & Control, Movement & Maneuver, Fires, Intel, and Logistics systems; to deliver AI-enabled decision support tools, data science platform environment tools, and data fabric capabilities to include Soldier definable visualizations / workflows, through a unified and secure tactical data fabric capable of cloud deployment. Demonstrate integrated high payoff target selection capability enhancements, sensor to shooter enhancements, and synchronization of fires data to Sustainment services supporting predictive combat power decision support capabilities. Transition modularized TA2 software technologies to the Command Post Computing Environment (CPCE), Distributed Common Ground Station - Army (DCGS-A) Intel Apps (IA), Tactical Intelligence Targeting Access Node (TITAN), and Joint Targeting Integrated Command & Coordination Suite (JTIC2S) PORs.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.</p>		8.943	25.480	-
<p>Title: Tactical Navigation Warfare (NAVWAR) Plexus</p> <p>Description: Tactical Navigation Warfare (NAVWAR) Plexus supports the technology maturation and integration of NAVWAR Situational Awareness technologies into Electronic Warfare and field artillery systems. This effort incorporates NAVWAR sensors, data fusion algorithms, and decision-making software to maintain Army Fires capabilities in Global Positioning System degraded and denied environments. NAVWAR sensor interfaces will be modernized to comply with open system standards and their data will be processed through fusion algorithms to produce a real time Common Operating Picture (COP) of the NAVWAR environment. This COP will be distributed to the Fires Command and Control system to optimize the performance of field artillery in degraded environments.</p> <p>FY 2025 Plans: Will demonstrate sensor and workflow transfer of situational awareness to guide decisions driven by NAVWAR situational understanding. Will provide mature NAVWAR interface implementation details to utilize in component programs. Will optimize</p>		13.428	9.652	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
integration and utilization of NAVWAR sensor data. Will demonstrate duration of a fires mission planning and execution in NAVWAR degraded environment.				
FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.				
Title: Assured Navigation for Future Tactical Unmanned Aerial Systems (FTUAS) Description: This effort will build on previous Defense Advanced Research Projects Agency (DARPA) All Source Positioning and Navigation (ASPN), and Seeker Cost Transformation (SECTR) vision based navigation technology efforts, as well as the Army Aviation and Missile Center's (AvMC) current efforts under the Future Vertical Lift Cross Functional Team (FVL CFT) and Program Executive Office Aviation's efforts focused on low altitude vision based navigation (VBN) to deliver a full government owned navigation system in small size, weight, and power (SWaP) for tactical Unmanned Aerial Systems. DARPA SECTR is a production prototype that has been demonstrated in cross country flight and currently works at altitudes of 1000+feet. This effort will extend the technology to all operational altitudes, and miniaturize and ruggedize the technology. This effort will be part of an overall Assured Position Navigation and Timing (APNT) solution that will enable the use of FTUAS and Air Launched Effects in Global Positioning System (GPS) denied environments. FY 2025 Plans: Will optimize low altitude vision-based navigation algorithms and software. Will integrate miniaturized prototype onto target platform. Will perform flight testing and evaluate prototype in GPS denied environments and in varying operational conditions. Will demonstrate final prototype solution. Will deliver production prototypes. FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.		7.800	5.708	-
Title: Reconfigurable Aperture Precision Targeting Radar (RAPTR) for Vehicle and Dismount Exploitation Radar (VADER) (RADER) Description: The current RADAR sensor (VADER) was designed for counterinsurgency operations limiting the effectiveness against near-peer threats. This effort will mature wide-band, multi-function RF, aperture technology developed under Army Science and Technology (S&T) to deliver an advanced payload that significantly increases range, accuracy and survivability of current airborne surveillance radar systems to the High Accuracy Detection and Exploitation System (HADES) program. This effort will integrate an advanced payload into a digital radar with an open architecture radar backend to facilitate integration of advanced algorithms and advanced operational modes to the HADES system. FY 2025 Plans:		13.293	10.379	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Mature advanced radar modes based on testbed demonstration. Develop test plan and integrate engineering prototype for flight test evaluation. Conduct flight demonstrations in relevant environments for evaluation of advanced radar modes. Deliver open architecture processor system with integrated third party modes. FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.				
Title: Lethality Smart Systems (LSS) Description: The Lethality Smart Systems (LSS) is the next generation weapon targeting sensor for use on the Next Generation Squad Weapon (NGSW) which provides additional situational awareness and lethality by wirelessly interfacing to other Soldier devices. This effort will mature and prototype the LSS weapon sight system to evaluate improved reliability, achieving weapon shock requirements of the NGSW and implement interoperability between the latest version of the Intra Soldier Wireless (ISW) protocol to both the Enhanced Night Vision Goggle -Binocular (ENVG-B) and Integrated Visual Augmentation System (IVAS). Additionally, LSS will provide improved system interfacing and capabilities at a reduced Size, Weight and Power (SWaP).		0.147	-	-
Title: Lightweight Polymers for Modern Small Caliber Apps - Ammo Casing Only Description: The Army currently relies on metal for small caliber cartridge casings. Polymer-based casings offer the potential to achieve significant weight reductions that can be applied to future and legacy systems. This effort will mature and prototype lightweight polymers and casing design solutions for use in extreme military operational environments. The polymer-based casings will reduce the tactical weight burden on the warfighter, reduce transit costs, and increase lethality across all operational environments. FY 2025 Plans: Will optimize commercial lightweight polymers and adhesives for lightweight design. Will optimize lightweight cartridge design. Will prototype and evaluate cartridge performance with optimized polymers, adhesives, and cartridge designs FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.		5.727	3.633	-
Title: Optical Threat Detection Description: Optical Threat Detection builds on Army Research Development Technology & Experimentation investments in Pre-Shot technologies to prototype detecting threats beyond their effective weapons range. The effort will mature and prototype an automated operation of the system to utilize onboard sensors and provide cues of potential targets to users for evaluation of the threat. The Optical Threat Detection system will provide a multi-band solution to rapidly locate enemy optical targeting or		9.769	3.803	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
surveillance systems in support of On-The-Move operations. This effort will incorporate adaptable architecture for integration of future technology (i.e., sensors and algorithms) as new capabilities emerge.			
FY 2025 Plans: Finalize and document the design of the prototype system.			
FY 2025 to FY 2026 Increase/Decrease Statement: This effort has reduced scope to focus on higher priority efforts in next generation command and control.			
Title: Solid State High Power Microwave System (SS-HPM)		9.356	2.076
Description: Solid State-High Powered Microwave (SS-HPM) will mature and prototype a mission kit consisting of source and emitter for technical insertion into the Indirect Fire Protection Capability-High Power Microwave (IFPC-HPM) program's prototype system. SS-HPM System will mature solid state technologies intended for Counter-Unmanned Aerial System applications (focusing on groups and swarms) and provide indirect fire protection capabilities with increased range, reliability, and lower costs.			-
FY 2025 Plans: Test and deliver a solid state HPM source and emitter (mission kit) for technical insertion that is compatible with the IFPC-HPM prototype			
FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease is due to project completion and transition to PORs.			
Title: Collaborative Links for Integrated Fires (CLIF)		1.027	11.520
Description: Complex terrain, clutter, and countermeasures can challenge Cannon Delivered Area Effects Munition (C-DAEM) Armor and supporting Fires System-of-Systems (SoS) solutions, and reduce munition effectiveness. Collaborative Links for Integrated Fires (CLIF) leverages prior algorithm and software efforts to prototype image-based navigation, multi-agent autonomous target recognition (ATR) and optimized munition-target assignment in a Fires SoS solution. This effort will enable more efficient volley fires reducing shoot and move time, rounds to defeat, and the logistics burden while improving fire team capacity. The CLIF approach is modular and enables the rapid integration of new seeker and collaborative modalities to outpace emerging threats.			-
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Prototype, integrate, and test Fires SoS solutions. Complete the development of collaborative capabilities integration of software in the loop simulation for HWIL integration. Build of demonstration hardware and evaluate prototype during live fire demonstration for transition to the CDAEM Program of Record. This effort is complete in FY2025 FY 2025 to FY 2026 Increase/Decrease Statement: The funding decrease represents the completion and evaluation of the prototype during live fire demonstration.				
Title: Multi-Network, Multi-Waveform Software Defined Radio Description: This effort leverages commercial 5G radio, data System on a Chip (SoC) technologies, cellular network technologies to prototype a common software defined radio capable of supporting multiple military waveforms and advanced/secure multi-channel networks. This replaces multiple radios/electronic systems with low Size, Weight, and Power (SWaP) equipment for communications/operations across multiple secure military communication networks and systems, and hardware commonality across platforms. Prototypes will be evaluated supporting multiple Army Warfighter functions and operations. The cited work is consistent with the Army Modernization Strategy and the Army Integrated Tactical Network Capability Sets. FY 2025 Plans: Will complete porting of one military terrestrial and one celestial waveform to at least one radio hardware form factor prototype suitable for user demonstration. Will initiate development of a second tranche of waveforms and at least one additional form factor. FY 2026 Plans: Will complete the prototyping and evaluation of the second tranche of waveforms and iteration of second form factor hardware of end user devices and network/operational systems. Transition prototype and advanced capabilities to multiple Army acquisition programs. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase supports system integration and evaluation activities for multiple Army acquisition programs.		35.526	35.288	51.894
Title: Consolidated prototype platform for Joint Common Artificial Intelligence / Autonomous Operations, Data architectures, and Power systems Description: This effort provides a tiered evaluation and feasibility application of innovation and disruptive technologies to Army capability gaps. This effort will prototype integration of emerging data fabrics across Service, Combatant Commands (CCMD) and sub-organizational commands to allow interchangeable command and control (C2) of remote operations across echelons (allow echelon tasking and ISR sensor data collection/data share) of autonomously operated ground and air system platforms. The system will also expand hybrid power source alternatives that support the platform, mission, and autonomous system power requirements. This effort will address architecture gaps for the coordination of kinetic / non-kinetic effects and optimization of algorithms to enhance their effects.		12.520	16.155	25.103

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p><i>FY 2025 Plans:</i> Prototype common data fabric, architecture and communication systems for command and control addressing Army, USMC and USAF data needs. Prototype optimized platform autonomous systems for command and control of the platform and autonomous operations. Prototype hybrid power systems designs meeting platform, communications, and autonomous operations, and mission needs.</p> <p><i>FY 2026 Plans:</i> Complete prototype fabrication and experimentation for data architectures for next generation command and control. Autonomous systems, long range fires and air & missile defense.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increase represents the completion and the evaluation of the prototypes risk reduction experimentation to inform prototyping of advanced command and control systems.</p>			
<p><i>Title:</i> Next Generation Command and Control (NGC2) Prototyping</p> <p><i>Description:</i> This effort will prototype enhanced command and control (C2) capabilities, enabling commanders to make faster, more informed decisions. Next Generation Command and Control (NGC2) focuses on building a more agile, adaptable, and modular C2 ecosystem, leveraging technologies like cloud computing, AI, and cybersecurity. This will provide commanders with a common and integrated data layer, allowing them to effectively manage operations across the force.</p> <p><i>FY 2025 Plans:</i> Prototype common data fabric, architecture and communication systems for command and control addressing Army data needs. Prototype integration of third party data into the common data fabric to be used for all NGC2 systems.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> New start effort for FY26 approved by the Technology Maturation Board.</p>		-	20.000
<p><i>Title:</i> Aviation Lightweight Armor</p> <p><i>Description:</i> This effort builds on previous Army science and technology investments in lightweight spaced armor technology for aviation platforms to increase armor protection against worldwide threats while reducing weight, increasing military operating payload for troops, fuel, and munitions. The effort will prototype an advanced armor kit for Future Long Range Assault Aircraft (FLRAA) compatible with the FLRAA platform design. The prototype armor will be evaluated on the FLRAA mock-up aircraft to validate ballistic performance and compatibility with FLRAA aircraft requirements.</p> <p><i>FY 2025 Plans:</i></p>		-	3.321
			3.920

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Engage with FLRAA vendor to ensure compatibility of the armor kit with the platform design and performance requirements. Optimize the armor system configuration and conduct preliminary ballistic testing to ensure the armor meets the requirements of the FLRAA aircraft.			
FY 2026 Plans: Finalize armor configuration and integration strategy. Manufacture FLRAA cabin floor mockup and conduct armor fit check and integration demonstration. Conduct live fire testing of the armor kit installed in the mockup floor to demonstrate ballistic performance.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease reflects the project completion and transition to the PoR.			
Title: Electro-Magnetic Battlespace Shaping and Protection (EM-BSP)		-	10.569
Description: Electro-Magnetic Battlespace Shaping and Protection (EM-BSP) will provide an on-demand denial of the electro-magnetic (EM) spectrum to enemy forces at any location on the battlefield supporting Multi-Domain Operations (MDOs). This program will mature and prototype a smoke screen capable of disrupting the EM spectrum to mask, conceal, and preserve combat lethality overmatch. This munition delivered capability will degrade/deny enemy anti-access/area denial systems as well as the enemy's use of the EM spectrum. The overall super-system capability will integrate both hardware and software technology solutions across multiple Programs of Record for combined increased effect. EM-BSP will culminate in a live-fire Technology Readiness Level (TRL) 7 demonstration of the prototype System-of-Systems (SoS).			18.550
FY 2025 Plans: Begin prototyping activities across multiple Program Executive Offices (PEOs) to support an end-state integrated SoS demonstration. Virtually prototype the SoS architecture. Refine system and subsystem requirements and interfaces. Prototype RF Smoke technology candidates across EM spectrums of interest and initiate design-of-experiment analysis for optimal material payload mix against target sets. Virtually prototype dispense mechanism to aid in RF Smoke material candidate analysis for a Cargo Rocket/Missile application. Define application interfaces, virtually prototype RF Smoke effects model software for battle management of the smoke across Electronic Warfare and artillery fire control systems.			
FY 2026 Plans: Complete RF Smoke prototype fabrication. Complete integration into EWPMT and AFATDS Command and Control Functions. Complete evaluation and assessment of prototype RF Smoke solution capabilities to disrupt the EM spectrum to mask, conceal, and preserve combat lethality overmatch.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Funding increase supports prototype development and system integration activities.					
Title: Combination Soldier and Logistics Aerial Insertion (Combodrop) Description: Combination Soldier and Logistics Aerial Insertion will provide Commanders with high altitude, high offset capability for precision insertion of personnel and cargo into enemy denied areas with a reduced probability of detection. This effort will prototype common mission planner and navigation software for all personnel and equipment and integrate radios for communication between personnel and cargo equipment for situational awareness and in-flight contingency operations. This effort will culminate with a demonstration in an operational environment. FY 2025 Plans: Complete initial development and integration of preflight mission planning software and mission execution software. Develop User Interfaces to provide command and control (C2) capabilities and display mission critical situational awareness information for cargo aerial delivery platforms. Conduct initial evaluation of C2 radios for communications between personnel and cargo systems. FY 2026 Plans: Finalize User Interface to provide command and control (C2) capabilities, cargo aerial resupply interoperability, and display mission critical situational awareness information for cargo aerial delivery platforms. Conduct final evaluation of preflight mission planning and inflight C2 capability between personnel and cargo systems. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease reflects the project completion and transition to the PoR.			-	2.595	2.500
Title: Containerized Weapon System - Counter UAS Description: This effort will prototype the ability to counter threat Group 3 small Unmanned Aircraft Systems (sUAS) that operate at higher altitudes with significant standoff range. Leveraging existing investments in the Containerized Weapon System (CWS), this project will optimize the operator's Fire Control Station to enable Group 3 sUAS engagement. The operator's Fire Control Station will provide single operator, automated slew-to-cue, and improved Target Verification System. All of which enhance the weapons suite to enable the targeting and defeat of Group 3 sUAS. This effort will culminate in a live-fire experimentation of the prototype system in FY26. FY 2025 Plans: Optimize Fire Control Station for single operator and incorporate the target Illumination Verification System (TIVS) into the Fire Control System and utilize AI to increase the probability of hit with minimal operator input. Begin verification of the dual-safe			-	8.926	2.500

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
APKWS proximity fuse through the Safety Review Board process and obtain limited release approval from the Ignition System Safety Review Board (ISSRB). FY 2026 Plans: Individual platform testing and qualification of the dual-safe APKWS proximity fuse; live fire demonstration; and obtain full release approval from ISSRB and Safety Confirmation from ATEC. FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease reflects the project completion and transition to the PoR.				
Title: Expeditionary Field Artillery Sensor (ExFAS) Description: Expeditionary Field Artillery Sensor (ExFAS) will provide and medium range sensor enabling greater survivability and accuracy for the entire network of field artillery sensors against complex, evolving Rocket, Artillery, and Mortar (RAM) threats. This project will mature and prototype state of the art, dual/multi-band, short-medium range CTA (Counter Target Acquisition) system designed to cover required ranges, while also enabling key survivability and accuracy improvement features through dual/multi-band hardware. Additional technology maturations, including resource optimization techniques, perused within the ExFAS effort will inform and provide risk reduction for of the field artillery radar sensor modernization effort. The effort will culminate with in a live-fire demonstration and component qualification testing. FY 2025 Plans: Will evaluate fires radar open system architecture, and dual wideband technology through model and simulation and digital engineering framework to determine initial design. Will perform analysis of design concepts through realistic virtual prototype. Will develop a physical prototype based on the design concept. Will mature the virtual prototype of the design and validate digital engineering performance alongside of a physical prototype. FY 2026 Plans: Will mature and optimize AN/TPQ-53 interfaces and interface control documentation for system interoperability. Will integrate and evaluate at the system level. Will perform Test Readiness Review and over the air evaluation of the AN/TPQ-53 mode. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase supports system integration and evaluation activities including over the air evaluations with tactical systems.		-	2.175	13.611
Title: Iron Sense Description: Partnering with the Army PEO-IEW&S Tactical Exploitation of National Capabilities (TENCAP) and leveraging prior work from PE 0603766A / Tactical Electronics Surveillance Systems - Adv Dev, this effort is a TMI Technology Prototyping Effort (prototyping higher risk / higher impact technologies to validate functionality) for transition to Army TENCAP fielding of capability. This effort Addressing the ongoing requirements to ensure that the Army's ability to exploit National and Commercial space based		-	9.936	31.500

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
ISR and communications, to close the deep-sensing gap in Multi-Domain operations, and to enable rapid targeting of threats / pace the threat. FY 2025 Plans: FY25 will leverage National Investments and advances in Signal Intelligence (SIGINT), Electronics Warfare, and Cyber capabilities to prototype increased capability for use and advancement of Army Warfighter Capability. FY 2026 Plans: FY26 will continue to leverage National Investments and advances in Signal Intelligence (SIGINT), Electronics Warfare, and Cyber capabilities to prototype increased capability for use and advancement of Army Warfighter Capability. FY 2025 to FY 2026 Increase/Decrease Statement: The funding increase represents the ramp up of the project to develop two form factor prototypes for demonstration.				
Title: Critical Common Electronics for Scalable Unmanned Aircraft Systems Description: This effort leverages commercial technologies to prototype critical common Unmanned Aircraft System (UAS) electronics and key system components capable of supporting multiple Army UAS platforms scaling from soldier borne up to long range applications. This effort provides hardware and algorithm commonality across platforms and the ability to adapt to rapidly evolving operational environments. The critical common electronics, components, and algorithms prototyped under this effort will focus on propulsion, communication, navigation, and system processing. Prototypes will be evaluated using multiple Army/Blue UAS platforms. The cited work is consistent with the Army Modernization Strategy and addressing the rapidly evolving threat. FY 2025 Plans: Assess commercial technologies for optimizing systems enabling critical common electronics, components, and algorithms for Army UAS platforms. Fabricate initial component prototypes to assess performance and interoperability of the systems. FY 2026 Plans: Finalize the evaluation of component performance and interoperability. Begin system integration to enable FY27 UAS evaluations. Leverage the evaluation to prototype advanced systems for U.S. Army tactical platforms. FY 2025 to FY 2026 Increase/Decrease Statement: The increase in funding in FY 2026 is due to the cost of prototyping advanced systems.		-	8.511	10.000
Title: Electronic Warfare (EW) / Counter-Unmanned Aircraft Systems (C-UAS) Description: Technology maturation efforts will prototype a family of key components and systems for EW, deep sensing and C-UAS scaling from small form factor applications, such as remote sensing and soldier borne to platform based and other long-range applications. Commonality (such as hardware, algorithms, and techniques) across the family of systems provides the ability		-	-	22.000

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
to adapt to rapidly evolving operational environments. The cited work is consistent with the Army Modernization Strategy to pace the rapidly evolving threat and support the Army's All-Domain Sensing modernization priorities. Efforts are aligned to programs within the executive offices of Intelligence Electronic Warfare & Sensors					
FY 2026 Plans: Technology maturation efforts will prototype a family of key components and systems for EW and C-UAS scaling from small form factor applications, such as remote sensing and soldier borne to platform based and other long-range applications. Commonality (such as hardware, algorithms, and techniques) across the family of systems provides the ability to adapt to rapidly evolving operational environments. The cited work is consistent with the Army Modernization Strategy to pace the rapidly evolving threat. Efforts are aligned to programs within the executive offices of Intelligence Electronic Warfare & Sensors.					
FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.					
Title: Networks, Command, Control, Communications, and Position Navigation and Timing Description: Technology maturation efforts will prototype integrated system of hardware, software and infrastructure that is sufficiently mobile, reliable, user-friendly, discreet in signature, expeditionary and appropriate for any environment where the electromagnetic spectrum is denied or degraded. It also focuses on dependable communication or assured position, navigation, and timing; it covers virtual and immersive Common Operation Environments in support of faster decision making. These efforts support the Army modernization priority for future systems and enabling areas for assured positioning, navigation, timing, and synthetic training environments. Efforts are aligned to programs within the executive offices of Command Control Communications and Networks, Intelligence Electronic Warfare & Sensors, and Simulation, Training and Instrumentation.			-	-	9.341
FY 2026 Plans: Will prototype capabilities supporting command and control systems/subsystems and position, navigation, and timing systems. Specific plans include a C2 effort that will complement investments with the U.S. Army Close Terrain Shaping Obstacle program by leveraging recent developments in advanced communication waveforms to enable fully networked Command and Control anti-vehicle munitions.					
FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.					
Title: Air and Ground Platforms Description: Technology maturation efforts focused on Army manned and unmanned ground and aviation platforms to improve maneuverability, range, speed, payload capacity, mission systems, survivability, reliability, and reduced logistical footprint. Additionally, these efforts support both the Army Future Vertical Lift and Next Generation Combat Vehicles modernization			-	-	9.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>priorities. Efforts are aligned to programs within the executive offices of Aviation, Ground Combat Systems; Combat Support & Combat Service Support; and the joint program executive office, Armaments and Ammunition.</p> <p>FY 2026 Plans: Will prototype capabilities supporting ground platforms that result in dependable technology with an emphasis on providing affordable and timely solutions for air and ground platforms. Specific plans include the prototyping and integration of a high speed autonomous offroad capability onto an infantry squad vehicle as well as maturing autonomy for other air and ground platforms.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.</p>			
<p>Title: Soldier System and Expeditionary Support</p> <p>Description: Technology maturation efforts focused on integrated Soldier, Squad weapon platforms, Force protection, and Expeditionary energy and sustainment. These efforts mature solutions that enhance integrated Soldier capabilities through their equipment, personal sustainment, performance as well as scalable, and affordable expeditionary energy, force sustainment, and contingency basing capabilities. Additionally, this effort supports the Soldier Lethality modernization priority. Efforts are aligned to programs within the executive offices of Soldier; Combat Support and Combat Service Support; Chemical Biological Radiological and Nuclear Defense; and the joint program office for Armaments and Ammunition.</p> <p>FY 2026 Plans: Will prototype individual Soldier weapons, provide Soldiers with enhanced capabilities, and increase their protection and ability to respond to emerging situations through prototyping and maturation of advanced technologies. For the individual soldier, specific plans include the prototyping of a passive non-linear laser protection for Small Arms Fire Control (SAFC) and Direct View Optics (DVOs) for increased survivability against current and emerging threats on the battlefield. Other plans include maturation of an integrated Advanced Digital Control System (ADCS) to allow integration of a variety of generators, loads and energy storage systems to enable the Joint Force, coalition operations, and integration of energy storage, and prototyping of a Nuclear, Biological, Chemical reconnaissance sensor with a 4x faster acquisition time. Will also prototype Operational Single Cell for Accessory Readiness batteries for soldier enabling devices as well as an extreme low temperature variant of the BB-2590 battery.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.</p>		-	-
			16.935
<p>Title: Weapons and Fires</p> <p>Description: Technology maturation efforts focused on current and future comprehensive weapons system platforms which include munitions and formations that improve range, lethality, mobility, precision, target acquisition and force protection capabilities within multi-domain operations. Additionally, these efforts support the Army modernization priorities for long- range</p>		-	-
			39.760

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B. Accomplishments/Planned Programs (\$ in Millions) precision fires (LRPF) as well as air and missile defense (AMD). Efforts are aligned to programs within the executive office of Missile and Space, and the joint executive office Armaments & Ammunition. FY 2026 Plans: Continue to prototype capabilities supporting the maturation of weapon systems to include long range precision fires resulting in advanced energetics, warheads, propulsion, guidance technology. Specific plans include to prototype and maturation of an integrated Multi-Mode Direct Fire Weapon, Munition, and Fire Control capability which leverages existing infrastructure, platforms, and weapons. This capability will provide Joint tactical small units with enhanced targeting and expanded effects against materiel and personnel. FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.		FY 2024	FY 2025	FY 2026
Title: Intelligence and Sensing Description: Technology maturation efforts focused on current and future all-domain intelligence and sensing capabilities which include multi-modal sensor systems, sensing architecture and advanced process and dissemination to improve to support the synchronization and optimization of intelligence collection, processing/dissemination activities and sensor-to-shooter activities. Additionally, these efforts support both the Army All-Domain Sensing modernization priorities. Efforts are aligned to programs within the executive offices of Intelligence Electronic Warfare & Sensors, and Command Control Communications and Networks. FY 2026 Plans: Will prototype capabilities supporting the maturation of intelligence and sensing systems to include advanced sensors, sensing architectures and advanced processes and dissemination capabilities. Specific plans include to prototype and maturation of an a mutli-modal sensor for air, ground and soldier-borne applications. FY 2025 to FY 2026 Increase/Decrease Statement: New start effort for FY26 approved by the Technology Maturation Board.		-	-	11.005
Accomplishments/Planned Programs Subtotals		244.710	252.000	267.619
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Universal 360 MDO Fire Control and SA Systems	TBD	DEVCOM C5ISR : Ft. Belvoir, VA	-	20.937		-		-		-		-	0.000	20.937	-
Anubis: COTS-based M-Code GPS Receiver	TBD	DEVCOM-ARL : TBD	35.146	19.397		-		-		-		-	0.000	54.543	-
Target Seeking - Extended Range (ER) Seeker (TS-ER)	TBD	PEO Ammo : Picatinny Arsenal, NJ	17.170	21.313		-		-		-		-	0.000	38.483	-
Autonomous Operations for Unmanned Aerial Systems (UAS)	TBD	DEVCOM AvMC : TBD	12.236	33.193		29.061		-		-		-	0.000	74.490	-
Air Launched Effects (ALE) Off-board Survivability	TBD	DEVCOM AvMC : TBD	27.489	32.334		33.212		-		-		-	0.000	93.035	-
Artificial Intelligence (AI) Enabled Operations / TA2	TBD	AFC : TBD	21.582	8.943		25.480		-		-		-	0.000	56.005	-
Tactical NAVWAR Plexus	TBD	DEVCOM C5ISRC : TBD	8.267	13.428		9.652		-		-		-	0.000	31.347	-
Assured NAV for FTUAS	TBD	TBD : TBD	5.492	7.800		5.708		-		-		-	0.000	19.000	-
Reconfigurable Aperture Precision Targeting Radar (RAPTR) for Vehicle and Dismount Exploitation Rada	TBD	DEVCOM C5ISR : TBD	10.888	13.293		10.379		-		-		-	0.000	34.560	-
Lethality Smart System (LSS)	TBD	DEVCOM C5ISR : Fort Belvoir, VA	-	0.147		-		-		-		-	0.000	0.147	-
Lightweight Polymers for Modern Small Caliber Apps	TBD	DEVCOM ARL : TBD	-	5.727		3.633		-		-		-	0.000	9.360	-
Optical Threat Detection	TBD	DEVCOM C5ISR : Fort Belvoir, VA	-	9.769		3.803		-		-		-	0.000	13.572	-
Solid State High Power Microwave System	TBD	RCCTO : Various	-	9.356		2.076		-		-		-	0.000	11.432	-
Collaborative Links for Integrated Fires	TBD	PEO Ammo : Picatinny Arsenal, NJ	-	1.027		11.520		-		-		-	0.000	12.547	-

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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Multinetwork - 5G Capability	TBD	DEVCOM C5ISR : Fort Belvoir, VA	-	35.526		35.288		51.894		-		51.894	0.000	122.708	-
Consolidated prototype platform for Joint Common Artificial Intelligence / Autonomous Operations, Da	TBD	TBD : TBD	-	12.520		16.155		25.103		-		25.103	0.000	53.778	-
Next Generation Command and Control (NGC2) Prototyping	TBD	PEO C3N : Aberdeen, MD	-	-		20.000		-		-		-	0.000	20.000	-
Aviation Lightweight Armor	TBD	DEVCOM AvMC : Ft. Eustis, VA	-	-		3.321		3.920		-		3.920	0.000	7.241	-
Electro-Magnetic Battlespace Shaping and Protection (EM-BSP)	TBD	JPEO A&A : Various	-	-		10.569		18.550		-		18.550	0.000	29.119	-
Combination Soldier and Logistics Aerial Insertion	TBD	DEVCOM SC : Natick, MA	-	-		2.595		2.500		-		2.500	0.000	5.095	-
Containerized Weapon System - Counter UAS	TBD	DEVCOM AvMC : Redstone Arsenal, AL	-	-		8.926		2.500		-		2.500	0.000	11.426	-
Expeditionary Field Artillery Sensor (ExFAS)	TBD	DEVCOM C5ISR : Aberdeen Proving Ground, MD	-	-		2.175		13.611		-		13.611	0.000	15.786	-
Iron Sense	TBD	PEO IEWS : Various	-	-		9.936		31.500		-		31.500	0.000	41.436	-
Critical Common Electronics for Scalable Unmanned Aircraft Systems (UAS)	TBD	PEO Aviation, PEO IEWS, Various : Various	-	-		8.511		10.000		-		10.000	0.000	18.511	-
Electronic Warfare (EW) / Counter-Unmanned Aircraft Systems (C-UAS)	TBD	PEO IEWS, PEO C3N, various : Various	-	-		-		22.000		-		22.000	0.000	22.000	-
Networks, Command, Control, Communications,	TBD	PEO C3N, PEO IEWS, PEO Aviation, various : Various	-	-		-		9.341		-		9.341	0.000	9.341	-

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Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives				Project (Number/Name) AX3 / Technology Maturation Initiatives					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
and Position Navigation and Timing															
Air and Ground Platforms	TBD	PEO Aviation, PEO Soldier, PEO GCS, PEO CS&CSS, various : Various	-	-		-		9.000		-		9.000	0.000	9.000	-
Soldier System and Expeditionary Support	TBD	PEO Soldier, PEO CS&CSS, JPEO CBRND, JPEO A&A, various : Various	-	-		-		16.935		-		16.935	0.000	16.935	-
Weapons and Fires	TBD	PEO GCS, JPEO A&A, PEO M&S, various : Various	-	-		-		39.760		-		39.760	0.000	39.760	-
Intelligence and Sensing	TBD	PEO IEWS, PEO C3N, various : Various	-	-		-		11.005		-		11.005	0.000	11.005	-
Subtotal			138.270	244.710		252.000		267.619		-		267.619	0.000	902.599	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			138.270	244.710		252.000		267.619		-		267.619	0.000	902.599	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initia tives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Universal 360 MDO Fire Control and SA Systems																												
U360 Sensor Maturation																												
U360 Architecture																												
Aided Target Recognition																												
Vehicle Integration																												
U360 Soldier Touch Point -Virtual Prototype #2																												
U360: Vehicle Excursion-Demonstrate Full 360																												
Anubis Software Defined Chipset for M-Code and Advanced ...																												
M-Code Functionality and Software Implementation:																												
Security Certification																												
CMOSS Card Reference Design																												
CMOSS Card Demonstration																												
IVAS Module Reference Design																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NavWar Module Reference Design																												
NavWar Module Benchtop Demonstration																												
NavWar Module Live Fire Demonstration																												
Algorithms and Software Integration																												
Seeker Hardware and Aperture Integration																												
Captive Carry Test																												
Gun Hardness Test																												
Seeker Performance Improvements																												
AUR GFT w/ Open Loop Seeker Test																												
AUR GFT w/ Closed Loop Seeker Demonstration																												
Autonomous Operations for Unmanned Aircraft Systems Sys Demo																												
UAS - Autonomous Operations Component Maturation																												
UAS - Common Mission Systems Architecture Development																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initia tives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
UAS - Autonomous Operations HW/SW in the Loop Testing																												
UAS - Autonomous Operations UAS Flight Testing 2																												
UAS - ALE Data Exchange Demonstration																												
UAS - Autonomous Operations Demonstration and User Evalu...																												
Air Launched Effects (ALE) Off-board Survivability																												
ALE Off-Board Survivability (OBS) Payload Maturation																												
OBS Integration and Demonstrations																												
OBS HW Integration on ALE Demo Platforms																												
OBS LE Payload Preliminary Testing																												
OBS LE Platform Captive Carry Testing																												
OBS LE Data Exchange Demo																												
OBS LE Platform Captive Carry Testing 2																												
OBS LE Flight Test 1																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OBS LE Flight Test 2																												
OBS LE Flight Test 3																												
OBS Capability Demonstration and Flight Tests																												
Tactical Analytics Architecture (TA2)																												
Intel Support to Fires																												
AI COA Recommender																												
Joint Targeting Integrated Command & Coordination Suite ...																												
Proteus (User Defined Requirements)																												
Artificial Intelligence Development Environment (AIDE)																												
Tactical Navigation Warfare (NAVWAR) Plexus																												
EWPMT NAVWAR COP																												
Sensor/Client Interface Modernization																												
PLASMA-X Integration																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Fires Command and Control																												
NAVWAR COP Demonstration																												
Multi Domain Sensor Fusion Demo																												
Integrated NAVWAR Situational Awareness Demo																												
MMC Sensor Data Flow																												
NAVWAR Processor Benchtop Tests																												
Assured Navigation (NAV) for Future Tactical Unmanned Ae...																												
Develop hardware agnostic testbed																												
Develop Low Altitude vision-based navigation algorithms																												
Conduct Sensor Trade Study																												
Design and Build Prototype																												
Test Prototype																												
Final Demonstration																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Reconfigurable Aperture Precision Targeting Radar for VA...																												
Architecture Assessment and Evaluation																												
Advanced Radar Mode Maturation																												
Engineering Prototype Maturation and Evaluation																												
Prototype Evaluation and Airborne Testbed																												
System Flight Testing and Evaluation																												
Lethality Smart System (LSS)																												
Engineering, Test and Requirements Analysis																												
Requirements Analysis Complete																												
Light Weight Polymers for Modern Small Caliber Apps - Am...																												
Mature Lightweight Polymer Formulations																												
Develop Adhesive Selection and Bonding Protocols																												
Prototype of Cartridge Cases #1: Weight Reduction																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Prototype of Cartridge Cases #2: Weight Reduction and Op...																												
Evaluation of Lightweight Polymer Cartridge Cases																												
Optical Threat Detection																												
Engineering Test and Requirements Analysis																												
Design Complete																												
Solid High State Power Microwave System																												
Design, Develop and Fabricate SSHP Microwave Source																												
Integrate SSHP Microwave Source into IFPC-HPM																												
Evaluate Prototype SSHP System																												
Collaborative Links for Integrated Fires (CLIF)																												
CLIF Technologies Modification and Maturation																												
Fires SoS integration, SoS efforts using NA2 to deliver ...																												
CLIF Technology Integration into Hardware in the Loop (H...																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Build Prototype Projectiles																												
Live Fire Prototype Projectiles																												
Multi-network/5G Capability																												
Design of Dismounted and Platform Prototypes																												
Porting of Military Communication Waveforms																												
Fabrication of of Dismounted and Platform prototypes																												
Development of Prototype Management and Provisioning																												
Dismounted/Mounted Phase 1 Application User Touch Point																												
Dismounted/Mounted Phase 1 Prototype Evaluation																												
Dismounted/Mounted Phase 2 Application User Touch Point																												
Dismounted/Mounted Phase 2 Prototype Evaluation																												
Consolidated prototype platform for Joint Common Artific...																												
Compare Army, USMC and USAF data needs and data fabric...																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initia tives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Develop application programming interfaces to integrate ...																												
Prototype Joint Service Data Fabrics, Prototype Autonomo...																												
Next Generation Command and Control (NGC2) Prototyping																												
Prototype NGC2 data systems using third party data																												
Evaluation of prototype NGC2 systems																												
Aviation Lightweight Armor																												
Design Integrated Armor Kit																												
Produce and Demonstrate Prototype Armor Kit																												
Ballistic Testing																												
Electro-Magnetic Battlespace Shaping and Protection (EM-BSP)																												
Mature and Prototype RF Smoke Material & Payload for Exp...																												
RF Smoke Effects Model																												
Prototype Electronic Warfare Planning and Management Too...																												

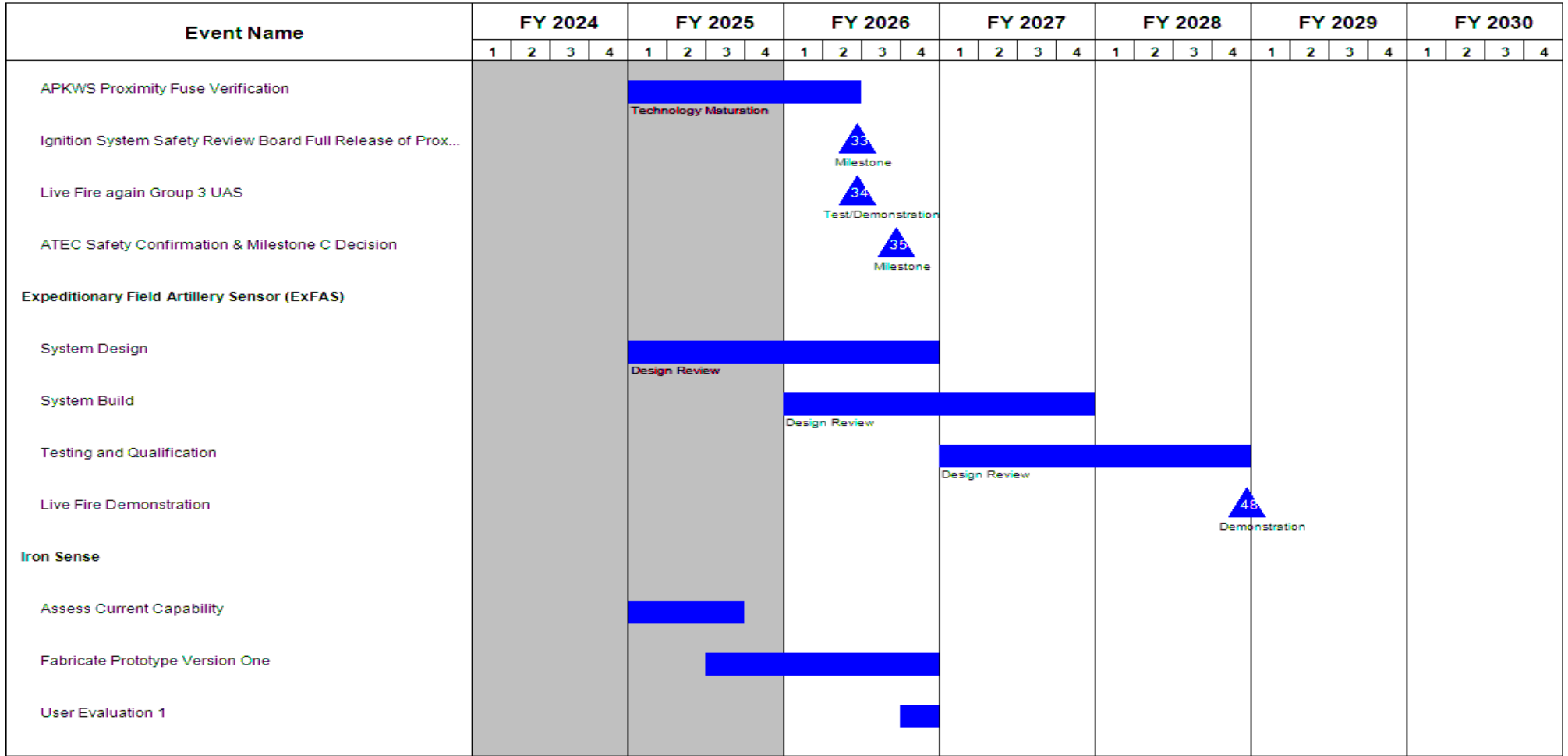
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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Prototype Guided Multiple Launch Rocket System (GMLRS) w...																												
EM-BSP System of Systems TRL 7 Capability																												
Combination Soldier and Logistics Aerial Insertion (Comb...																												
AMP and PARANAVSYS Development and Integration																												
PARANAVSYS Jump Evaluation / Soldier Touch Point																												
JPADS Communications Development and Integration																												
JPADS Communications HWIL Demonstration																												
Combodrop Test and Evaluation																												
Combodrop Concept Demonstration																												
Containerized Weapon System - Counter UAS																												
Fire Control Optimization																												
Target Illumination Verification System (TIVS) Integration																												
Fire Control Demonstration																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives	



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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Optimize Prototype Design Functionality																												
Fabricate Prototype Version Two																												
User Evaluation 2																												
Transition to TENCAP																												
Critical Common Electronics for Scalable Unmanned Aircra...																												
Assessment of common commerical propulsion components																												
Assessment of advancements for on platform communication...																												
Assessment of advancements for on platform navigation																												
Assessment of advancements for on platform system processing																												
Prototype propulsion, communication, navigation, and sys...																												
Evaluate component performance and interoperability																												
Prototype advanced systems Common Electronics for Unmanne...																												
Evaluation of advanced systems for Common Electronics fo...																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>		Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Electronic Warfare (EW) / Counter-Unmanned Aircraft Syst...																												
Scalable family of Systems and Components for Electronic...																												
Assessment of hardware, algorithms, and threat																												
Evaluation component performance and interoperability																												
Prototype platform/long-range system																												
Prototype small form factor EW system																												
Evaluation of scaleable EW prototype systems																												
Networks, Command, Control, Communications, and Position...																												
Command and Control (C2) for Terrain Shaping Effects																												
Validate and Test Two Waveforms																												
Integrate Prototype with Mission Command System																												
Test Integrated Prototype																												
Evaluation of Final Prototype																												

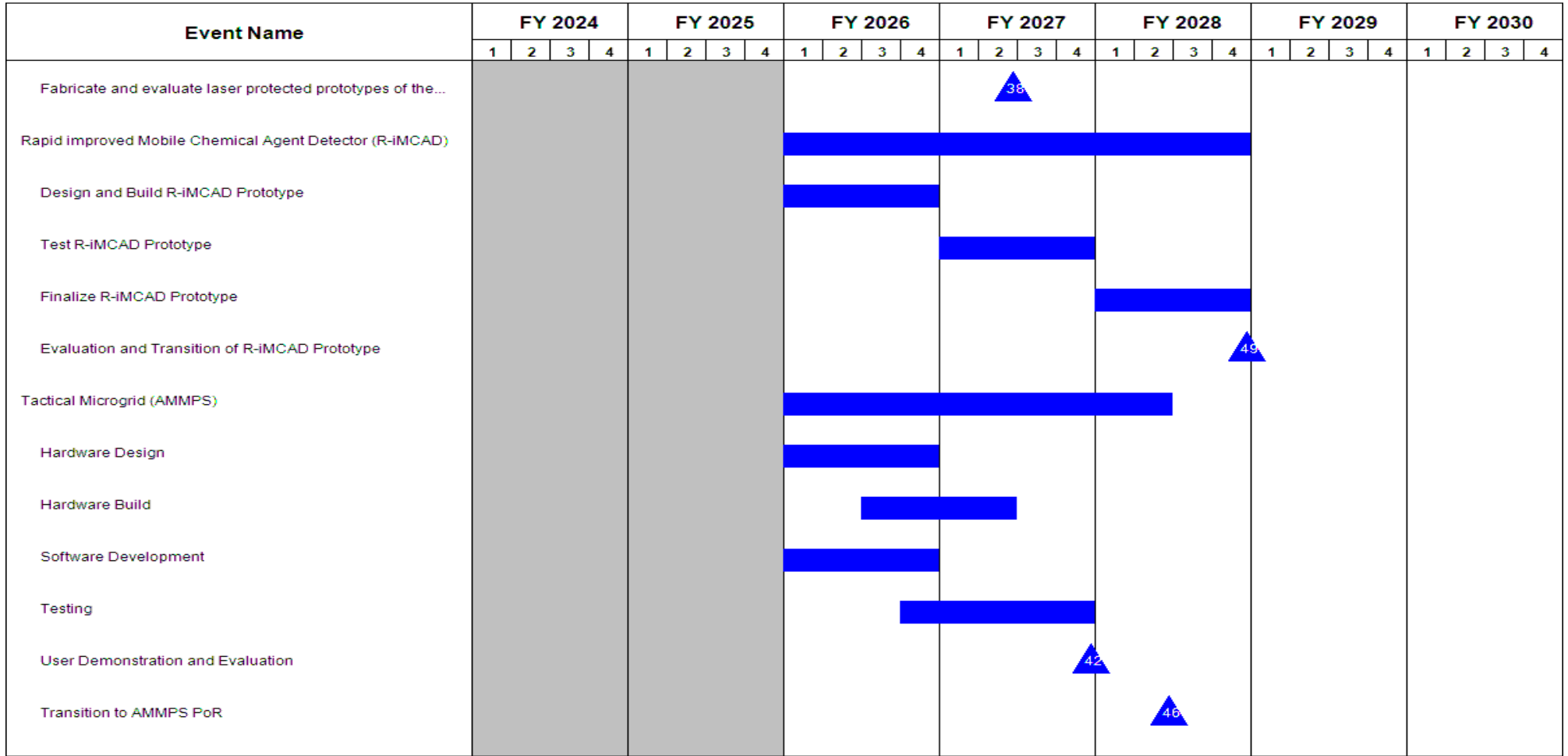
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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initia tives		Project (Number/Name) AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air and Ground Platforms																												
Autonomous offroad driving																												
Evaluation of component performance																												
Maturation of offroad autonomous driving prototype																												
Evaluation of prototype system																												
Soldier System and Expeditionary Support																												
Advanced Laser Protection for Direct View Optics (DVO)																												
Downselection, specification of requirements for CW and ...																												
Prepare, configure, and execute threat table testing of ...																												
Update optical designs via M&S incorporating T&E perform...																												
Develop system engineering interfacing and tolerance cri...																												
Create integration process for the XM157 fire control																												
Manufacturing preparation and implementation of integrat...																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	



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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>	Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Operational Single Cell for Accessory Readiness (OSCAR) ...																												
Evaluation of baseline performance																												
Fabrication and maturation of Battery Prototype																												
Prototype battery adapters to interoperate with Advance ...																												
User Evaluation of prototype battery system																												
Arctic BB-2590																												
Evaluation of battery component performance																												
Perform laboratory testing																												
Maturation of Battery Prototype																												
Evaluation of prototype battery system																												
Weapons and Fires																												
Small Unit Attack and Counter Drone (SMAC'D)																												
Proximity Module																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0604115A / Technology Maturation Initiatives		AX3 / Technology Maturation Initiatives	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Fuze Power																												
Cartridge Integration																												
Radar Upgrades																												
360 Degree Slip Ring																												
Software Upgrades																												
CROWS-B Integration																												
System Integration																												
Integrated System Test and Evaluation																												
Enhanced Seeker for PrSM																												
Algorithm and Seeker Integration																												
Missile, Seeker Hardware Procurement																												
Build, Integration, and Test																												
Missile Flight Test																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																					
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives								Project (Number/Name) AX3 / Technology Maturation Initiatives																			
Event Name										FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Intelligence and Sensing																																					
Mulit-spectral Sensing for Intelligence																																					
Assessment of sensor hardware, algorithms, and threat																																					
Evaluation sensor component performance and interoperability																																					
Prototype sensor system																																					
Evaluation of prototype systems																																					
</																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Universal 360 MDO Fire Control and SA Systems	2	2022	4	2024
U360 Sensor Maturation	2	2022	1	2024
U360 Architecture	3	2022	2	2024
Aided Target Recognition	4	2022	2	2024
Vehicle Integration	4	2022	4	2024
Vehicle Excursion - Demonstrate Baseline U360	4	2022	4	2022
U360 Soldier Touch Point -Virtual Prototype #1	2	2023	2	2023
U360 Soldier Touch Point -Virtual Prototype and U360 Demonstration on Stryker	4	2023	4	2023
U360 Soldier Touch Point -Virtual Prototype #2	1	2024	1	2024
U360: Vehicle Excursion-Demonstrate Full 360	4	2024	4	2024
Anubis Software Defined Chipset for M-Code and Advanced PNT Applications	3	2022	4	2024
M-Code Functionality and Software Implementation:	3	2022	4	2024
Security Certification	1	2023	3	2024
CMOSS Card Reference Design	2	2023	3	2024
CMOSS Card Demonstration	1	2024	1	2024
IVAS Module Reference Design	3	2023	4	2024
NavWar Module Reference Design	3	2023	4	2024
NavWar Module Benchtop Demonstration	4	2024	4	2024
NavWar Module Live Fire Demonstration	4	2024	4	2024
Target Seeking - Extended Range (ER) Seeker (TS-ER)	1	2023	4	2023
Form Factor Electronics Spin and Gun Hardening	1	2023	4	2023
Algorithms and Software Integration	1	2023	4	2024

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>		Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
		Start		End	
Events	Quarter	Year	Quarter	Year	
S/HWiL Synthetic Scene Generation Maturation	1	2023	4	2023	
S/HWiL Hardware Upgrades	1	2023	4	2023	
Seeker Technology Maturation Demonstration	4	2023	4	2023	
Integrated Flight M&S Evaluation	4	2023	4	2023	
Seeker Hardware and Aperture Integration	3	2023	4	2024	
Captive Carry Test	2	2024	2	2024	
Gun Hardness Test	1	2024	1	2024	
Seeker Performance Improvements	1	2024	4	2024	
AUR GFT w/ Open Loop Seeker Test	3	2024	3	2024	
AUR GFT w/ Closed Loop Seeker Demonstration	4	2024	4	2024	
Autonomous Operations for Unmanned Aircraft Systems Sys Demo	1	2023	4	2025	
UAS - Autonomous Operations Component Maturation	1	2023	4	2025	
UAS - Autonomous Operations Demonstration/A-Team Collaboration	3	2023	4	2023	
UAS - Autonomous Operations UAS Flight Testing 1	1	2023	4	2023	
UAS - Common Mission Systems Architecture Development for Autonomous Ops	1	2024	2	2024	
UAS - Autonomous Operations HW/SW in the Loop Testing	4	2023	2	2024	
UAS - Autonomous Operations UAS Flight Testing 2	1	2024	4	2024	
UAS - ALE Data Exchange Demonstration	2	2024	4	2024	
UAS - Autonomous Operations Demonstration and User Evaluations	4	2025	4	2025	
Air Launched Effects (ALE) Off-board Survivability	1	2023	4	2025	
ALE Off-Board Survivability (OBS) Payload Maturation	2	2023	3	2024	
OBS System Architecture Definition	2	2023	3	2023	
OBS Integration and Demonstrations	4	2023	3	2024	
OBS HW Integration on ALE Demo Platforms	1	2024	2	2025	
OBS LE Payload Preliminary Testing	2	2024	3	2024	

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0604115A / Technology Maturation Initiatives		AX3 / Technology Maturation Initiatives	
		Start		End	
Events	Quarter	Year	Quarter	Year	
OBS LE Platform Captive Carry Testing	3	2024	3	2024	
OBS LE Data Exchange Demo	3	2024	3	2024	
OBS LE Platform Captive Carry Testing 2	4	2024	4	2024	
OBS LE Flight Test 1	1	2025	1	2025	
OBS LE Flight Test 2	3	2025	3	2025	
OBS LE Flight Test 3	4	2025	4	2025	
OBS Capability Demonstration and Flight Tests	3	2025	3	2025	
Tactical Analytics Architecture (TA2)	1	2023	4	2025	
Intel Support to Fires	1	2023	1	2025	
AI COA Recommender	1	2023	2	2025	
ARCANE Fire +	1	2023	4	2023	
Joint Targeting Integrated Command & Coordination Suite (JTIC2S)	3	2023	4	2025	
Proteus (User Defined Requirements)	1	2024	4	2025	
Artificial Intelligence Development Environment (AIDE)	1	2025	4	2025	
Tactical Navigation Warfare (NAVWAR) Plexus	1	2023	4	2025	
EWPMT NAVWAR COP	1	2023	2	2024	
Sensor/Client Interface Modernization	3	2023	2	2025	
PLASMA-X Integration	1	2024	4	2025	
Fires Command and Control	3	2023	2	2025	
NAVWAR COP Demonstration	2	2025	2	2025	
Multi Domain Sensor Fusion Demo	2	2025	2	2025	
Integrated NAVWAR Situational Awareness Demo	3	2025	3	2025	
MMC Sensor Data Flow	3	2023	1	2025	
NAVWAR Processor Benchtop Tests	2	2025	2	2025	
Assured Navigation (NAV) for Future Tactical Unmanned Aerial Systems (FTUAS)	1	2023	4	2025	

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>		Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
		Start		End	
Events	Quarter	Year	Quarter	Year	
Develop hardware agnostic testbed	1	2023	1	2024	
Develop Low Altitude vision-based navigation algorithms	4	2023	4	2024	
Conduct Sensor Trade Study	4	2023	2	2024	
Design and Build Prototype	2	2024	1	2025	
Test Prototype	1	2025	4	2025	
Final Demonstration	4	2025	4	2025	
Common Hypersonic Glide Body (CHGB) Seeker Integration	1	2023	4	2023	
Flight Software Development	1	2023	4	2023	
Hardware Integration	1	2023	4	2023	
Weapon Control and Mission Planning Integration	1	2023	4	2023	
Reconfigurable Aperture Precision Targeting Radar for VADER (RADER)	1	2023	4	2025	
Architecture Assessment and Evaluation	2	2023	2	2026	
Advanced Radar Mode Maturation	2	2023	4	2024	
Engineering Prototype Maturation and Evaluation	1	2024	2	2026	
Prototype Evaluation and Airborne Testbed	3	2025	3	2025	
System Flight Testing and Evaluation	2	2026	2	2026	
Lethality Smart System (LSS)	1	2024	4	2024	
Engineering, Test and Requirements Analysis	1	2024	4	2024	
Requirements Analysis Complete	4	2024	4	2024	
Light Weight Polymers for Modern Small Caliber Apps - Ammo Casing Only	1	2024	4	2025	
Mature Lightweight Polymer Formulations	1	2024	4	2025	
Develop Adhesive Selection and Bonding Protocols	1	2024	2	2025	
Prototype of Cartridge Cases #1: Weight Reduction	1	2024	4	2024	
Prototype of Cartridge Cases #2: Weight Reduction and Operational Environments	2	2024	4	2025	
Evaluation of Lightweight Polymer Cartridge Cases	4	2025	4	2025	

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0604115A / Technology Maturation Initiatives		AX3 / Technology Maturation Initiatives	
		Start		End	
Events		Quarter	Year	Quarter	Year
Optical Threat Detection		1	2024	4	2025
Engineering Test and Requirements Analysis		1	2024	4	2025
Design Complete		4	2025	4	2025
Solid High State Power Microwave System		1	2024	4	2025
Design, Develop and Fabricate SSHP Microwave Source		1	2024	4	2024
Integrate SSHP Microwave Source into IFPC-HPM		1	2025	4	2025
Evaluate Prototype SSHP System		4	2025	4	2025
Collaborative Links for Integrated Fires (CLIF)		1	2024	4	2025
CLIF Technologies Modification and Maturation		1	2024	2	2025
Fires SoS integration, SoS efforts using NA2 to deliver reference imagery and other intelligence data to platform		1	2024	4	2025
CLIF Technology Integration into Hardware in the Loop (HWIL) and Subsystem Testing		3	2024	3	2025
Build Prototype Projectiles		3	2025	4	2025
Live Fire Prototype Projectiles		4	2025	4	2025
Multi-network/5G Capability		1	2024	4	2026
Design of Dismounted and Platform Prototypes		1	2024	2	2024
Porting of Military Communication Waveforms		1	2024	4	2025
Fabrication of of Dismounted and Platform prototypes		3	2024	2	2026
Development of Prototype Management and Provisioning		3	2024	2	2025
Dismounted/Mounted Phase 1 Application User Touch Point		2	2025	2	2025
Dismounted/Mounted Phase 1 Prototype Evaluation		3	2025	3	2025
Dismounted/Mounted Phase 2 Application User Touch Point		2	2026	2	2026
Dismounted/Mounted Phase 2 Prototype Evaluation		2	2026	2	2026
Consolidated prototype platform for Joint Common Artificial Intelligence / Autonomous Operations, Data architectures, and Power systems		1	2024	4	2025

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives	
	Start		End	
Events	Quarter	Year	Quarter	Year
Compare Army, USMC and USAF data needs and data fabrics to determine requirements to develop a common data fabric and comm system	1	2024	4	2024
Develop application programming interfaces to integrate the sharing of data, algorithms, and Machine learning tools;	1	2025	4	2025
Prototype Joint Service Data Fabrics, Prototype Autonomous Operations for Army Platforms, Prototype Platform Hybrid Power Systems	1	2025	4	2025
Next Generation Command and Control (NGC2) Prototyping	1	2025	4	2025
Prototype NGC2 data systems using third party data	1	2025	4	2025
Evaluation of prototype NGC2 systems	4	2025	4	2025
Aviation Lightweight Armor	1	2025	4	2026
Design Integrated Armor Kit	1	2025	4	2025
Produce and Demonstrate Prototype Armor Kit	1	2026	3	2026
Ballistic Testing	3	2026	4	2026
Electro-Magnetic Battlespace Shaping and Protection (EM-BSP)	1	2025	4	2027
Mature and Prototype RF Smoke Material & Payload for Experimentation	1	2025	4	2025
RF Smoke Effects Model	1	2025	3	2026
Prototype Electronic Warfare Planning and Management Tool (EWPMT), Advanced Field Artillery Tactical Data System (AFATDS, Fire Control	3	2025	2	2027
Prototype Guided Multiple Launch Rocket System (GMLRS) w/RF Smoke Payload	3	2025	2	2027
EM-BSP System of Systems TRL 7 Capability	3	2026	4	2027
Combination Soldier and Logistics Aerial Insertion (Combodrop)	1	2025	4	2026
AMP and PARANAVSYS Development and Integration	1	2025	1	2026
PARANAVSYS Jump Evaluation / Soldier Touch Point	3	2025	3	2025
JPADS Communications Development and Integration	1	2026	2	2026
JPADS Communications HWIL Demonstration	2	2026	2	2026
Combodrop Test and Evaluation	2	2026	4	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
2040 / 4		PE 0604115A / Technology Maturation Initiatives		AX3 / Technology Maturation Initiatives	
		Start		End	
Events	Quarter	Year	Quarter	Year	
Combodrop Concept Demonstration	4	2026	4	2026	
Containerized Weapon System - Counter UAS	1	2025	4	2026	
Fire Control Optimization	1	2025	3	2025	
Target Illumination Verification System (TIVS) Integration	1	2025	3	2025	
Fire Control Demonstration	3	2025	3	2025	
APKWS Proximity Fuse Verification	1	2025	2	2026	
Ignition System Safety Review Board Full Release of Proximity Use	2	2026	2	2026	
Live Fire again Group 3 UAS	2	2026	2	2026	
ATEC Safety Confirmation & Milestone C Decision	3	2026	3	2026	
Expeditionary Field Artillery Sensor (ExFAS)	1	2025	4	2028	
System Design	1	2025	4	2026	
System Build	1	2026	4	2027	
Testing and Qualification	1	2027	4	2028	
Live Fire Demonstration	4	2028	4	2028	
Iron Sense	1	2025	4	2027	
Assess Current Capability	1	2025	3	2025	
Fabricate Prototype Version One	3	2025	4	2026	
User Evaluation 1	4	2026	4	2026	
Optimize Prototype Design Functionality	1	2027	1	2027	
Fabricate Prototype Version Two	1	2027	3	2027	
User Evaluation 2	4	2027	4	2027	
Transition to TENCAP	4	2027	4	2027	
Critical Common Electronics for Scalable Unmanned Aircraft Systems	1	2025	4	2027	
Assessment of common commerical propulsion components	1	2025	3	2025	
Assessment of advancements for on platform communications systems	1	2025	3	2025	

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives	
	Start		End	
Events	Quarter	Year	Quarter	Year
Assessment of advancements for on platform navigation	1	2025	3	2025
Assessment of advancements for on platform system processing	1	2025	3	2025
Prototype propulsion, communication, navigation, and system processing components	2	2025	1	2026
Evaluate component performance and interoperability	4	2025	2	2026
Protoyte advanced systems Common Electronics for Unmanned Aircraft Systems of Army tactical platforms	2	2026	2	2027
Evaluation of advanced systems for Common Electronics for Unmanned Aircraft Systems	2	2027	4	2027
Electronic Warfare (EW) / Counter-Unmanned Aircraft Systems (C-UAS)	1	2026	4	2027
Scalable family of Systems and Components for Electronic Warfare (EW)/Counter-Unmanned Aircraft Systems (C-UAS)	1	2026	4	2027
Assessment of hardware, algorithms, and threat	1	2026	2	2026
Evaluation component performance and interoperability	2	2026	2	2027
Prototype platform/long-range system	1	2027	4	2027
Prototype small form factor EW system	1	2027	4	2027
Evaluation of scaleable EW prototype systems	4	2027	4	2027
Networks, Command, Control, Communications, and Position Navigation and Timing	1	2026	4	2027
Command and Control (C2) for Terrain Shaping Effects	1	2026	4	2027
Validate and Test Two Waveforms	1	2026	3	2026
Integrate Prototype with Mission Command System	3	2026	2	2027
Test Integrated Prototype	1	2027	4	2027
Evaluation of Final Prototype	4	2027	4	2027
Air and Ground Platforms	1	2026	4	2026
Autonomous offroad driving	1	2026	4	2026
Evaluation of component performance	1	2026	2	2026
Maturation of offroad autonomous driving prototype	2	2026	3	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604115A / <i>Technology Maturation Initiatives</i>		Project (Number/Name) AX3 / <i>Technology Maturation Initiatives</i>	
		Start		End	
Events	Quarter	Year	Quarter	Year	
Evaluation of prototype system	4	2026	4	2026	
Soldier System and Expeditionary Support	1	2026	4	2028	
Advanced Laser Protection for Direct View Optics (DVO)	1	2026	2	2027	
Downselection, specification of requirements for CW and pulsed laser protection technologies	1	2026	1	2026	
Prepare, configure, and execute threat table testing of components	2	2026	2	2027	
Update optical designs via M&S incorporating T&E performance metrics	3	2026	2	2027	
Develop system engineering interfacing and tolerance criteria for prototyping	1	2027	2	2027	
Create integration process for the XM157 fire control	2	2026	2	2027	
Manufacturing preparation and implementation of integration process with the XM157	2	2026	2	2027	
Fabricate and evaluate laser protected prototypes of the XM157	2	2027	2	2027	
Rapid improved Mobile Chemical Agent Detector (R-iMCAD)	1	2026	4	2028	
Design and Build R-iMCAD Prototype	1	2026	4	2026	
Test R-iMCAD Prototype	1	2027	4	2027	
Finalize R-iMCAD Prototype	1	2028	4	2028	
Evaluation and Transition of R-iMCAD Prototype	4	2028	4	2028	
Tactical Microgrid (AMMPS)	1	2026	2	2028	
Hardware Design	1	2026	4	2026	
Hardware Build	3	2026	2	2027	
Software Development	1	2026	4	2026	
Testing	4	2026	4	2027	
User Demonstration and Evaluation	4	2027	4	2027	
Transition to AMMPS PoR	2	2028	2	2028	
Operational Single Cell for Accessory Readiness (OSCAR) for FWS-I	1	2026	4	2027	
Evaluation of baseline performance	1	2026	2	2026	
Fabrication and maturation of Battery Prototype	2	2026	3	2027	

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives		Project (Number/Name) AX3 / Technology Maturation Initiatives	
	Start		End	
Events	Quarter	Year	Quarter	Year
Prototype battery adapters to interoperate with Advance Battery Charger (ABC) and Universal Battery Charger	3	2026	4	2027
User Evaluation of prototype battery system	4	2027	4	2027
Arctic BB-2590	1	2026	4	2027
Evaluation of battery component performance	1	2026	2	2026
Perform laboratory testing	2	2026	3	2026
Maturation of Battery Prototype	4	2026	4	2027
Evaluation of prototype battery system	4	2027	4	2027
Weapons and Fires	1	2026	4	2027
Small Unit Attack and Counter Drone (SMAC'D)	1	2026	4	2027
Proximity Module	1	2026	3	2026
Fuze Power	1	2026	3	2026
Cartridge Integration	3	2026	1	2027
Radar Upgrades	1	2026	3	2026
360 Degree Slip Ring	1	2026	3	2026
Software Upgrades	1	2026	3	2026
CROWS-B Integration	3	2026	3	2027
System Integration	4	2026	3	2027
Integrated System Test and Evaluation	4	2027	4	2027
Enhanced Seeker for PrSM	1	2026	4	2028
Algorithm and Seeker Integration	1	2026	4	2028
Missile, Seeker Hardware Procurement	1	2026	4	2027
Build, Integration, and Test	1	2028	4	2028
Missile Flight Test	4	2028	4	2028
Intelligence and Sensing	1	2026	4	2028
Mulit-spectral Sensing for Intelligence	1	2026	4	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604115A / Technology Maturation Initiatives	Project (Number/Name) AX3 / Technology Maturation Initiatives		
	Start		End	
Events	Quarter	Year	Quarter	Year
Assessment of sensor hardware, algorithms, and threat	1	2026	3	2026
Evaluation sensor component performance and interoperability	2	2026	2	2027
Prototype sensor system	1	2027	3	2028
Evaluation of prototype systems	4	2028	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)							
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	-	290.256	274.542	238.247	-	238.247	-	-	-	-	-	-
CR9: <i>Directed Energy M-SHORAD / M-SHORAD Inc 2</i>	-	125.870	63.250	74.835	-	74.835	-	-	-	-	-	-
CS1: <i>M-SHORAD Inc 3</i>	-	154.570	188.880	152.677	-	152.677	-	-	-	-	-	-
FI4: <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	-	9.816	22.412	10.735	-	10.735	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

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

The FY 2026 request for M-SHORAD Increment 3 includes 152,677 thousand of discretionary and 60,120 thousand of mandatory (reconciliation) for a total of 212,797 thousand. The mandatory funds each competing vendor up to the approved cost position for the engineering and delivery of developmental test missiles. Further information for this reconciliation request is provided in Section 20004 (Munitions and Supply Chain) of the Reconciliation Exhibit.

The Maneuver-Short Range Air Defense (M-SHORAD) capability provides air protection to the maneuvering forces by defeating, destroying, or neutralizing Rotary-Wing (RW), Fixed-Wing (FW), Unmanned Aircraft Systems (UAS), and Rockets, Artillery and Mortar (RAM) threats. This capability will be provided through a multi-phase, Family of Systems (FoS) approach, to include the rapidly fielded SGT STOUT (formerly known as Maneuver Short Range Air Defense - M SHORAD Inc. 1) and follow-on M-SHORAD Increments Inc. 2 and Inc. 3, as well as consideration for light and heavy platform variants. The M-SHORAD increments will develop additional capability and support Army demonstration and test initiatives to increase integrated offensive and defensive capability across warfighter functions and multiple domains.

Project FI4: SGT STOUT is an Air Defense weapon system consisting of multiple ground-to-air missile launchers, sensors, and a gun integrated on a Stryker Combat Vehicle. The SGT STOUT system provides the Army improved capabilities for defense of maneuver formations and other tactical echelons from low altitude air attack and surveillance. The system is in response to an adaptive suite of airborne threat capabilities, supported by an integrated mix of surface-to-air and surface-to-surface shooters that threaten the ability of maneuver forces to conduct operations. Specifically, maneuver formations require the SGT STOUT air defense identification and defeat capabilities to counter FW, RW, and UAS threats.

Project CR9: Inc. 2 will integrate a High Energy Laser (HEL) capability onto a tactical platform to provide an air defense capability to defeat RW, UAS, RAM, and Intelligence, Surveillance, and Reconnaissance (ISR) threats to the maneuvering forces and to inform transition of future enduring DE capabilities.

Project CS1: Inc. 3 will provide a Next Generation Short Range Interceptor (NGSRI) to replace the existing Stinger missile. The new interceptor with support equipment will improve targeting capabilities to acquire targets with increased lethality and range, providing increased protection to the maneuver formations. Additionally, the

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025			
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604117A I Maneuver - Short Range Air Defense (M-SHORAD)				
NGSRI will be compatible with the existing SGT STOUT platform and will provide a Soldier Portable Capability to meet the need for dismounted Air Defense. Inc. 3 will integrate the SGT STOUT platform with the NGSRI and the new 30mm Multi-Mode Proximity Airburst (MMPA) ammunition.						
The FY 2026 cost of the M-SHORAD Inc. 3 Middle Tier of Acquisition effort is \$170.8 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.						
M-SHORAD is part of the Army Transformation Initiative.						
The FY 2026 request for Maneuver - Short Range Air Defense (M-SHORAD) includes \$238,247 thousand of discretionary and \$60,120 thousand of mandatory (reconciliation) for a total of \$298,247 thousand.						
The mandatory funds each competing vendor up to the approved cost position for the engineering and delivery of developmental test missiles. Further information for this reconciliation request is provided in Section 20004 (Munitions and Supply Chain) of the Reconciliation Exhibit.						
The FY 2026 request was reduced by \$4.239 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		281.239	315.772	245.380	-	245.380
Current President's Budget		290.256	274.542	238.247	-	238.247
Total Adjustments		9.017	-41.230	-7.133	-	-7.133
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-7.245	-31.230			
• Congressional Rescissions		-	-			
• Congressional Adds		26.263	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-10.001	-			
• Adjustments to Budget Years		-	-10.000	-7.133	-	-7.133
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: CR9: Directed Energy M-SHORAD / M-SHORAD Inc 2					FY 2024	FY 2025
Congressional Add: C-UAS Enhancements						
					26.263	-
Congressional Add Subtotals for Project: CR9					26.263	-
Congressional Add Totals for all Projects					26.263	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)
<p><u>Change Summary Explanation</u></p> <p>Decrease in FY2026 funding from previous PB to current PB is due to 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" as well as completion of M-SHORAD Inc 3 SGT STOUT IOT in FY 2025.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CR9 / Directed Energy M-SHORAD / M-SHORAD Inc 2			
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
CR9: Directed Energy M-SHORAD / M-SHORAD Inc 2	-	125.870	63.250	74.835	-	74.835	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

M-SHORAD Inc 2/DE M-SHORAD Prototypes 1-4 are a 50kW class laser weapon system integrated onto a Stryker combat vehicle in support of air defense units of action. These systems will provide air defense capability to defeat Rotary Wing (RW), Groups 1-3 Unmanned Aerial Systems (UAS), Rocket Artillery Mortar (RAM) and Intelligence, Surveillance and Reconnaissance (ISR) threats to a unit of action. The Army Rapid Capabilities and Critical Technologies Office (RCCTO) developed the prototype system known as DE M-SHORAD. RCCTO utilized an Other Transaction Authority (OTA) contract to complete the development of additional prototypes that will support the enduring Directed Energy (DE) campaign. As a result of enduring DE Integrated System Test, the Army will determine the best lethality and affordability across DE platforms for future acquisition activities.

In addition, Enduring High Energy Laser (E-HEL) will begin development, test and evaluation, systems engineering and program management as well as the continuation of DE enhancements (i.e. subsystem development) to support modular, palletized and maneuverable capabilities.

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

	FY 2024	FY 2025	FY 2026
Title: DE M-SHORAD RCCTO Prototype Efforts	96.009	60.020	71.537
FY 2025 Plans: FY 2025 funds will support completion of additional prototypes. Activities include prototype integration, acceptance testing, evaluation, demonstration and assessment for deliveries in FY 2025 to support the Directed Energy Integrated Test Campaign and continue CONUS/OCONUS CLS.			
FY 2026 Plans: FY 2026 funds support continuing the enduring DE campaign of prototype systems design and engineering to inform enduring DE capabilities and enhancements of prototype manufacturing and integration efforts. The E-HEL prototype system design, development, integration and systems engineering will conclude; and the program will begin integrated system testing, user training, and continuous soldier integration.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	Project (Number/Name) CR9 / <i>Directed Energy M-SHORAD / M-SHORAD Inc 2</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 funding increased to support continued DE Enhancements (i.e. subsystem development), as well as E-HEL design, development, testing and software development.			
Title: M-SHORAD Inc. 2 PEO MS Transition Efforts		3.598	3.230
FY 2025 Plans: The M-SHORAD Product Office will use the FY 2025 funds to support future acquisition activities, hardware evaluation, CLS support, testing and program management and continue the development of acquisition and contract documents as part of the Directed Energy Integrated Test Campaign at the Rapid Capabilities and Critical Technologies Office (RCCTO).			
FY 2026 Plans: FY 2026 funds support acquisition activities, hardware evaluation, testing and program management and continue the development of acquisition and contract documents as part of the enduring Directed Energy integrated system test at the Rapid Capabilities and Critical Technologies Office (RCCTO).			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to costs associated with revised economic assumptions.			
Accomplishments/Planned Programs Subtotals		99.607	63.250
		FY 2024	FY 2025
Congressional Add: C-UAS Enhancements		26.263	-
FY 2024 Accomplishments: FY 2024 funds (\$26.263 million) support the prototype development and integration of the Enduring DE system and continue Contractor Logistic Support (CLS) for C-UAS enhanced systems employed CONUS/OCONUS.			
Congressional Adds Subtotals		26.263	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The RCCTO utilized an OTA contract to complete the development of additional prototypes under the DE M-SHORAD effort and additional DE capabilities that will support the Enduring DE Integrated System Test. The Army will use this to inform an enduring solution that will maximize available hardware and software open interface standards to achieve lethality, interoperability, sustainability and affordability across DE platforms for future acquisition activities. The plan is to transition E-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	Project (Number/Name) CR9 / <i>Directed Energy M-SHORAD / M-SHORAD Inc 2</i>
HEL enduring capability to PEO Missiles and Space in FY 2027 capitalizing on the RCCTO efforts. In addition, RCCTO will continue DE enhancements (i.e., subsystem development) to support modular, palletized and maneuverable capabilities.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CR9 / Directed Energy M-SHORAD / M-SHORAD Inc 2					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Management	Various	Various : Huntsville, AL	14.752	17.272	Dec 2023	18.445	Dec 2024	22.771	Dec 2025	-		22.771	Continuing	Continuing	-
Facilities, IT/Supplies, Travel, Training, Shipping	TBD	Various : Various	-	2.900		0.860		0.660		-		0.660	Continuing	Continuing	-
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		2.309		-		-		-	0.000	2.309	-
Subtotal			14.752	20.172		21.614		23.431		-		23.431	Continuing	Continuing	N/A
Remarks															
Inc. 2 captures RCCTO and PEO M&S management in Management Services. These costs include both government and contractor support.															
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DE M-SHORAD: Systems Development, Prototypes and Integration Inc. 2	C/CPFF	Kord Technologies : Huntsville, AL	78.785	8.385	May 2024	13.412	Dec 2024	7.412	Dec 2025	-		7.412	0.000	107.994	-
DE M-SHORAD: Software Support	MIPR	various : various	1.355	1.374	Sep 2024	1.959	Nov 2024	-		-		-	0.000	4.688	-
AMP-HEL: Software Support	MIPR	Various : Various	-	0.225	Sep 2024	-		-		-		-	0.000	0.225	-
DE M-SHORAD: XALLY Radar Enhancements	MIPR	Eikon : Huntsville, AL	-	1.541	Sep 2024	-		-		-		-	0.000	1.541	-
E-HEL: Software Integration and Support	MIPR	Various : Various	-	-		0.239	Nov 2024	2.590	Nov 2025	-		2.590	0.000	2.829	-
E-HEL: System Design, Development, Integration and Systems Engineering	C/FFP	Huntington Ingalls Industries : Huntsville AL	-	14.813	Feb 2025	1.615		-		-		-	0.000	16.428	-
C-UAS Enhancements: Enduring DE Prototype Development / Integration	C/FFP	Huntington Ingalls Industries : Huntsville, AL	-	15.000	Feb 2025	-		-		-		-	0.000	15.000	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CR9 / Directed Energy M-SHORAD / M-SHORAD Inc 2					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-UAS Enhancements: XALLY Radar Enhancements	MIPR	Eikon : Huntsville, AL	-	0.555	Sep 2024	-		-		-		-	0.000	0.555	-
GFE	Various	Buy GFE : Various	-	0.072	May 2024	-		3.657	Dec 2025	-		3.657	0.000	3.729	-
C-UAS Enhancements: Software	MIPR	Various : Various	-	0.776	Sep 2024	-		-		-		-	0.000	0.776	-
C-UAS Enhancements: Direct Diode	MIPR	Various : Various	-	1.320	Mar 2025	-		-		-		-	0.000	1.320	-
DE Enhancements Software Development A2ST Aimpoint Tracker	MIPR	SMDC : Huntsville, AL	-	-		0.882	Apr 2025	2.250	Jan 2026	-		2.250	Continuing	Continuing	-
E-HEL: Prototype AIT	C/FFP	Huntington Ingalls Industries : Huntsville, AL	-	-		-		8.539	Nov 2025	-		8.539	0.000	8.539	-
DE Enhancements: Lethality and Development	TBD	TBD : TBD	-	-		-		11.623	Jun 2026	-		11.623	Continuing	Continuing	-
Subtotal			80.140	44.061		18.107		36.071		-		36.071	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DE MSHORAD P1-P4 Contractor Logistics Support (CLS) (CONUS)	C/CPFF	Kord Technologies : Huntsville, AL	21.131	24.119	Nov 2023	3.000	May 2025	-		-		-	Continuing	Continuing	-
DE MSHORAD P5 Contractor Logistics Support (CLS) (CONUS)	C/CPFF	Kord Technologies : Huntsville, AL	-	14.607	May 2024	-		-		-		-	0.000	14.607	-
AMP-HEL Contractor Logistics Support (CLS)	Various	Various : Various	-	3.207	May 2025	1.311	May 2025	-		-		-	0.000	4.518	-
E-HEL Training	Various	Various : Various	-	-		-		1.752	Nov 2025	-		1.752	0.000	1.752	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>						Project (Number/Name) CR9 / <i>Directed Energy M-SHORAD / M-SHORAD Inc 2</i>			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DE M-SHORAD Logistics Support	Various	Various : Huntsville, AL	-	0.136		0.421		-		-		-	0.000	0.557	-
C-UAS Enhancements: P-HEL Contractor Logistics Support (CLS)	Various	Various : Various	-	8.491	May 2025	-		-		-		-	0.000	8.491	-
DE M SHORAD Demil	MIPR	DLA : Huntsville, AL	-	-		-		0.178	Nov 2025	-		0.178	0.000	0.178	-
Subtotal			21.131	50.560		4.732		1.930		-		1.930	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
E-HEL: Test Support, Planning, Analysis & Execution	Various	Various : Various	-	-		4.306		6.235		-		6.235	0.000	10.541	-
E-HEL: System Test and Continuous Soldier Integration	Various	Various : Various	-	-		-		0.533	Nov 2025	-		0.533	0.000	0.533	-
DE M-SHORAD Targets	Various	Various : Various	-	3.048	Jan 2024	-		-		-		-	0.000	3.048	-
E-HEL Targets	Various	Various : Various	-	-		1.898	Feb 2025	-		-		-	0.000	1.898	-
C-UAS Enhancements: KuRFS Test Support	MIPR	IFRCO : Huntsville, AL	-	0.120	Apr 2025	-		-		-		-	0.000	0.120	-
KuRFS Test Support	MIPR	IFRCO : Huntsville, AL	-	0.122	Apr 2025	-		-		-		-	0.000	0.122	-
RADA Radar Test Support	MIPR	RTC : Huntsville, AL	-	0.406	Feb 2025	-		-		-		-	0.000	0.406	-
Test and Evaluation Support	Various	Various : Various	-	7.381		12.593		6.635		-		6.635	0.000	26.609	-
Subtotal			-	11.077		18.797		13.403		-		13.403	0.000	43.277	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)					Project (Number/Name) CR9 / Directed Energy M-SHORAD / M-SHORAD Inc 2				
	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	116.023	125.870		63.250		74.835		-		74.835	Continuing	Continuing	N/A	

Remarks

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)

Project (Number/Name)

CR9 / Directed Energy M-SHORAD / M-SHORAD Inc 2

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
M-SHORAD Inc. 2 Prototyping (P1-6) (RCCTO)																												
M-SHORAD Inc. 2 Contractor Logistics Support (CLS) (P1-6)...																												
M-SHORAD Inc. 2 ATEC Controlled Assessment OCONUS (P1-4)...																												
M-SHORAD Inc. 2 Acceptance Testing (P5-6) (RCCTO)																												
M-SHORAD Inc. 2 Prototype Deliveries (P5-6) (RCCTO)																												
M-SHORAD Inc. 2 Enduring HEL OTA Award																												
M-SHORAD Inc. 2 RCCTO Enduring HEL Prototyping																												
M-SHORAD Inc. 2 Enduring HEL Lab Demonstration																												
M-SHORAD Inc. 2 Enduring HEL Sensor Test																												
M-SHORAD Inc. 2 Enduring HEL Integrated Systems Test (RC...																												
M-SHORAD Inc. 2 Enduring HEL Environmental Testing																												
M-SHORAD Inc. 2 Transition/Future Acquisition Activities...																												
M-SHORAD Inc. 2 DE Subsystem Enhancements																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	Project (Number/Name) CR9 / <i>Directed Energy M-SHORAD / M-SHORAD Inc 2</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
M-SHORAD Inc. 2 Other Transaction Agreement (OTA) Award (RCCTO)	3	2023	3	2023
M-SHORAD Inc. 2 Prototyping (P1-6) (RCCTO)	3	2023	4	2025
M-SHORAD Inc. 2 Contractor Logistics Support (CLS) (P1-6) RCCTO	3	2023	2	2026
M-SHORAD Inc. 2 ATEC Controlled Assessment OCONUS (P1-4) (RCCTO)	3	2024	3	2024
M-SHORAD Inc. 2 Acceptance Testing (P5-6) (RCCTO)	4	2025	4	2025
M-SHORAD Inc. 2 Prototype Deliveries (P5-6) (RCCTO)	4	2025	4	2025
M-SHORAD Inc. 2 Enduring HEL OTA Award	2	2025	2	2025
M-SHORAD Inc. 2 RCCTO Enduring HEL Prototyping	2	2025	3	2026
M-SHORAD Inc. 2 Enduring HEL Lab Demonstration	1	2026	1	2026
M-SHORAD Inc. 2 Enduring HEL Sensor Test	1	2026	1	2026
M-SHORAD Inc. 2 Enduring HEL Integrated Systems Test (RCCTO/PEO MS)	1	2026	1	2026
M-SHORAD Inc. 2 Enduring HEL Environmental Testing	4	2026	4	2027
M-SHORAD Inc. 2 Transition/Future Acquisition Activities (PEO MS)	1	2025	3	2031
M-SHORAD Inc. 2 DE Subsystem Enhancements	3	2026	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CS1 / 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
CS1: M-SHORAD Inc 3	-	154.570	188.880	152.677	-	152.677	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This funding line is directly aligned to the Army Air and Missile Defense Modernization Priority.												
The FY 2026 request for M-SHORAD Increment 3 includes 152,677 thousand of discretionary and 60,120 thousand of mandatory (reconciliation) for a total of 212,797 thousand. The mandatory funds each competing vendor up to the approved cost position for the engineering and delivery of developmental test missiles. Further information for this reconciliation request is provided in Section 20004 (Munitions and Supply Chain) of the Reconciliation Exhibit.												
Inc. 3 will provide a Next Generation Short Range Interceptor (NGSRI) to replace the existing Stinger missile. The new interceptor with support equipment will improve targeting capabilities to acquire targets with increased lethality and range, providing increased protection to the maneuver formations at a reduced cost. Additionally, the NGSRI will be compatible with the existing SGT STOUT platform, formerly known as M-SHORAD Inc. 1, and will provide a Soldier Portable Capability to meet the need for dismounted Air Defense. Inc. 3 will integrate the SGT STOUT platform with the NGSRI and the new 30mm Multi-Mode Proximity Airburst (MMPA) ammunition.												
FY 2026 funding supports Inc. 3 prototype and development effort. The FY 2026 funding also includes Test and Evaluation, initiates the NGSRI and 30mm MMPA integration effort with the SGT STOUT platform and provides Program Management support.												
The FY 2026 cost of the M-SHORAD Inc. 3 Middle Tier of Acquisition effort is \$170.8 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: M-SHORAD Inc. 3 Materiel Development/Integration									154.570	188.280	147.177	
FY 2025 Plans: Complete subsystem and system-level technology demonstrations, development contractors perform component qualification, and long-lead item purchases to support United States Government (USG) Developmental Testing												
FY 2026 Plans: Continue building system prototypes and begin USG Developmental Testing, including Safety and Performance testing. Prepare for Operational Assessment.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CS1 / M-SHORAD Inc 3			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
FY 2026 funding decrease is due to mandatory (reconciliation) not included in the funding line. Including the mandatory funds, there is an overall increase.											
Title: Integration of NGSRI and 30mm MMPA ammunition with M-SHORAD Inc. 1									-	0.600	5.500
Description: This integration effort initiates the SGT STOUT software upgrades and prototype hardware for integration with NGSRI and 30mm MMPA. It also purchases prototype integration hardware and interface specifications.											
FY 2025 Plans: Funding initiates the integration effort with the SGT STOUT Original Equipment Manufacturer that will enable the full capability of the NGSRI and 30mm MMPA. The program will provide funds to develop hardware required to support integration of the 30mm ammunition onto the SGT STOUT platform.											
FY 2026 Plans: Continue integration efforts. Funding purchases the interface specifications, initiates development of SGT STOUT software upgrades and initiates building of the prototype platform integration hardware.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increase due to the ramp-up of the integration effort.											
Accomplishments/Planned Programs Subtotals									154.570	188.880	152.677
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
• DC9: 30mm MMPA M-SHORAD INC 3	20.245	11.303	17.797	-	17.797	-	-	-	-	-	-
• C26311: M-SHORAD INC 3 INTERCEPTORS	-	-	-	-	-	-	-	-	-		
• F98811: 30 MM MMPA	-	-	-	-	-	-	-	-	-		
Remarks											
0604802A/DC9 develops the 30mm MMPA ammunition and MMPA fuze setter hardware.											
C26311 procures the NGSRI, NGSRI Command Launch Assemblies (CLAs), SGT STOUT integration kits and NGSRI Training Aids, Devices, Simulators and Simulations.											
F98811 procures the 30mm MMPA ammunition.											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	Project (Number/Name) CS1 / <i>M-SHORAD Inc 3</i>
<p><u>D. Acquisition Strategy</u></p> <p>The capability document for this effort is the Abbreviated - Capability Development Document (A-CDD) for Maneuver Short Range Air Defense (M-SHORAD) Increment 3 - Future Kinetic Effectors, M-SHORAD Inc. 3. The A-CDD calls for a new Stinger missile replacement, improved launcher optics and the 30mm MMPA. PM Maneuver Ammunition Systems (MAS) is responsible for the development and procurement of the 30mm MMPA ammunition and fuze setter. PM Short and Intermediate Effectors for Layered Defense (SHIELD) is responsible for the development and procurement of the NGSRI that replaces the Stinger missile and the NGSRI Command and Launch Assembly (CLA) that provides the Soldier Portable launcher with improved optics. In addition, PM SHIELD is responsible for developmental integration activities on the SGT STOUT platform to accommodate both the NGSRI and 30mm MMPA components and will procure the hardware integration components.</p> <p>The Inc. 3 NGSRI will replace the current Stinger missile with a new Short Range Air Defense missile that is both Soldier-portable and compatible with existing platforms, including SGT STOUT. FY 2023 was program initiation. The NGSRI and the NGSRI CLA are developed through the Middle Tier of Acquisition Rapid Prototyping pathway using the Aviation and Missile Technology Consortium Other Transaction Authority (OTA) awarded to two suppliers. The integration effort (SGT STOUT) will be performed using a separate task order to the SGT STOUT Federal Acquisition Regulation contract. The program anticipates transition to Major Capabilities Acquisition following the Operational Assessment and final down-select to one vendor prior to Milestone C which is in 2Q FY 2028.</p> <p>Sensor/Weapon Component Effort: The M-SHORAD Inc. 3 system is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.</p>		











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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CS1 / M-SHORAD Inc 3					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Management Inc. 3	C/LH	Delta Solutions : Huntsville, AL	1.392	2.888	Oct 2023	3.913	Oct 2024	3.223	Oct 2025	-		3.223	Continuing	Continuing	-
SBIR/STTR	TBD	Various : Huntsville, AL	-	-		6.894		-		-		-	0.000	6.894	-
Technical Support	MIPR	Combat Capabilities Development Command: Aviation Missile Center : Redstone Arsenal, AL	5.368	2.657	Oct 2023	1.617	Oct 2024	3.940	Oct 2025	-		3.940	Continuing	Continuing	-
Subtotal			6.760	5.545		12.424		7.163		-		7.163	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Development and Integration	C/CPFF	Raytheon and Lockheed Martin : Tuscon, AZ and Grand Prairie, TX	52.768	146.700	Dec 2023	170.308	Dec 2024	125.347	Dec 2025	-		125.347	Continuing	Continuing	-
Integration of SGT STOUT with NGSRI and 30mm MMPA	Various	Combat Capabilities Development Command Armaments Center and Northrop Grumman : Picatinny Arsenal, New Jersey and Mesa, Arizona	0.800	-		0.601	Dec 2024	5.500	Dec 2025	-		5.500	Continuing	Continuing	-
Subtotal			53.568	146.700		170.909		130.847		-		130.847	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) CS1 / M-SHORAD Inc 3					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Demonstration Support	MIPR	Army Test and Evaluation Center : Redstone Arsenal, Alabama	0.303	0.750	Oct 2023	2.882	Jan 2025	0.500		-		0.500	Continuing	Continuing	-
Modeling and Simulation Development	MIPR	Combat Capabilities Development Command: Aviation Missile Center : Redstone Arsenal, AL	6.177	0.250	Oct 2023	1.829	Dec 2024	4.766	Dec 2025	-		4.766	Continuing	Continuing	-
Continuous Soldier Feedback	MIPR	DEVCOM Analysis Center (DAC) : Aberdeen Proving Ground, MD	0.125	-		0.035	Jan 2025	-		-		-	Continuing	Continuing	-
Developmental Testing and Test Support	MIPR	Army Test and Evaluation Center and Combat Capabilities Development Command: Aviation Missile Center : White Sands Missile Rng, NM; Redstone Arsenal, AL	-	1.325		0.801		9.401	Mar 2026	-		9.401	Continuing	Continuing	-
Subtotal			6.605	2.325		5.547		14.667		-		14.667	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			66.933	154.570		188.880		152.677		-		152.677	Continuing	Continuing	N/A
Remarks															
Integration efforts are planned to ramp up in FY26 for SGT STOUT with NGSRI and 30mm MMPA. Developmental Testing and Support begins in FY26 with associated RTC and WSMR support, Modeling and Simulation support, Model Based Systems Engineering Lab support, and Cyber Assessment.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025												
Appropriation/Budget Activity 2040 / 4								R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)								Project (Number/Name) CS1 / M-SHORAD Inc 3												
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Design, Development and Prototype Build, MTA-RP																												
Design, Development and Prototype Build																												
Technology Demonstrations (TD)																												
Platform Integration																												
Developmental Testing (DT)																												
Operational Assessment																												
Milestone C																												
Low Rate Initial Production (LRIP) Award																												
LRIP 1																												
Live Fire Test and Evaluation (LFT&E)																												

Note
MTA-RP: Middle Tier of Acquisition - Rapid Prototyping

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / <i>Maneuver - Short Range Air Defense (M-SHORAD)</i>	Project (Number/Name) CS1 / <i>M-SHORAD Inc 3</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Design, Development and Prototype Build, MTA-RP	4	2023	2	2028
Technology Demonstrations (TD)	4	2024	1	2026
Platform Integration	3	2025	4	2027
Developmental Testing (DT)	3	2026	4	2027
Operational Assessment	3	2027	2	2028
Milestone C	2	2028	2	2028
Low Rate Initial Production (LRIP) Award	3	2028	3	2028
LRIP 1	3	2028	3	2030
Live Fire Test and Evaluation (LFT&E)	3	2029	4	2030

Note

MTA-RP: Middle Tier of Acquisition - Rapid Prototyping

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) FI4 / Maneuver - Short Range Air Defense (M-SHORAD)			
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
FI4: Maneuver - Short Range Air Defense (M-SHORAD)	-	9.816	22.412	10.735	-	10.735	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

The Maneuver Short Range Air Defense (M-SHORAD) SGT STOUT systems add commensurate mobility and survivability to the maneuvering forces through protection against enemy air threats. The system consists of existing capabilities integrated onto a Stryker A1 Double-V Hull (DVH) Infantry Carrier Vehicle (ICV). The Reconfigurable Integrated-weapons Platform (RIWP) and Mission Equipment Package (MEP) house multiple missile and gun effectors integrated onto the Stryker A1 DVH vehicle.

FY 2026 funding supports development of upgrades and product improvements for SGT STOUT systems through individual material changes to address operational lessons-learned and other system performance improvements/enhancements providing capability overmatch against emerging threats.

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

	FY 2024	FY 2025	FY 2026
Title: Initial M-SHORAD Materiel Development/Integration	9.816	22.412	10.735
Description: Funding is in support of development, integration, and testing of the SGT STOUT capability.			
FY 2025 Plans: Conduct Systems IOT and continue Engineering & Technical Support for support of future MSHORAD Inc. 1 technology insertions, upgrades through individual materiel changes to address operational lessons learned, and other system performance improvements/enhancements to provide overmatch capability against emerging threats.			
FY 2026 Plans: Continued development and testing of new functionalities, as well as regression and integration testing for software upgrades of the system will be conducted in FY26 to enhance SGT STOUT following the Initial Operational Testing (IOT) in FY 2025.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to conclusion of FY 2025 IOT.			
Accomplishments/Planned Programs Subtotals	9.816	22.412	10.735

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)					Project (Number/Name) F14 / Maneuver - Short Range Air Defense (M-SHORAD)					
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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
• C14301: Maneuver - Short Range Air Defense (M-SHORAD)	892.497	69.091	679.114	-	679.114	-	-	-	-	-	-

Remarks

44 SGT STOUT systems are procured in FY26 with additional systems being procured through increased funding for production until FY 2028.

D. Acquisition Strategy

The Army has an active Indefinite Delivery / Indefinite Quantity (IDIQ) contract with General Dynamic Land Systems (GDLS) for the procurement and fielding of systems, spares, engineering services and logistics support.

The program transitioned from a Directed Requirement to the Middle Tier Acquisition - Rapid Fielding (MTA-RF) Acquisition Pathway 1 March 2024. System Initial Operational Test (IOT) in FY 2025 supports Milestone C Decision and transition to the Major Capabilities Acquisition (MCA) Pathway in FY 2026.

Recurring RDT&E in FY 2026 and beyond will develop upgrades of the SGT STOUT systems through material changes and upgrades, addressing operational lessons-learned and other system performance improvements/enhancements to provide overmatch capability against emerging threats in addition to testing that includes regression testing to ensure new functionalities, integration testing, and user acceptance.

Sensor/Weapon Component Effort: The SGT STOUT program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) F14 / Maneuver - Short Range Air Defense (M-SHORAD)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Management Inc. 1	Various	Delta Solutions : Huntsville, Alabama	8.361	2.283	Oct 2023	1.178	Oct 2024	1.271	Oct 2025	-		1.271	Continuing	Continuing	-
SBIR/STTR Transfer	Various	Various : Huntsville, Alabama	-	-		0.818		-		-		-	0.000	0.818	-
Subtotal			8.361	2.283		1.996		1.271		-		1.271	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Improvements - SGT STOUT	SS/CPFF	GDLS : Sterling, MI	9.180	1.445	Oct 2023	7.816	Oct 2024	7.964	Oct 2025	-		7.964	Continuing	Continuing	-
Subtotal			9.180	1.445		7.816		7.964		-		7.964	Continuing	Continuing	N/A
Remarks Increase in product Improvements funding covers required system improvements, including design changes or enhancements based on feedback from the Initial Operational Testing & Evaluation (IOT&E) in FY 2025.															
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Testing SGT STOUT	MIPR	Redstone Test Center (RTC) and White Sands Missile Range (WSMR) : Redstone, AL and WSMR, NM	13.030	4.355	Oct 2023	0.919	Oct 2024	1.075	Oct 2025	-		1.075	0.000	19.379	-
Test Support SGT STOUT	MIPR	RTC, WSMR, Target Management Office and others : Redstone, AL and WSMR, NM	16.655	0.845	Oct 2023	0.333	Oct 2024	0.310	Oct 2025	-		0.310	0.000	18.143	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)				Project (Number/Name) FI4 / Maneuver - Short Range Air Defense (M-SHORAD)					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering & Technical Support SGT STOUT	MIPR	Aviation Missile Center : Redstone Arsenal, AL	5.580	0.888	Oct 2023	1.388	Oct 2024	0.115	Oct 2025	-		0.115	Continuing	Continuing	-
IOT Testing SGT STOUT	MIPR	RTC, WSMR, others : Redstone, AL and WSMR, NM	-	-		9.960	Mar 2025	-		-		-	0.000	9.960	-
Subtotal			35.265	6.088		12.600		1.500		-		1.500	Continuing	Continuing	N/A
Remarks															
Testing includes regression testing to ensure new functionalities do not affect existing features, integration testing for system compatibility, and acceptability testing to confirm the product meets the user needs.															
			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			52.806	9.816		22.412		10.735		-		10.735	Continuing	Continuing	N/A
Remarks															
FY 2026 testing includes regression testing to ensure new functionalities do not affect existing features, integration testing for system compatibility, and acceptability testing to confirm the product meets the user needs.															
Developmental Testing: Funding for evaluating system's design, functionality, and performance to ensure SGT STOUT meets its requirements against emerging threats.															
Test Support: Ensures proper personnel and resources are available for SGT STOUT testing.															
Engineering and Technical Support: Handles system design, troubleshooting, and operational issues.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)		Project (Number/Name) F14 / Maneuver - Short Range Air Defense (M-SHORAD)

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Engineering and Technical Support / Emerging Threat Analysis	Eng and Tech Support / Emerging Threat Analysis																											
Operational Utility Assessment (OUA)	Operational Utility Assessment (OUA)																											
Developmental Testing (DT)/Test Support	DT/Test Support																											
Initial Operational Test (IOT)	IOT																											
MS C									1 Milestone C																			
Product Improvement									Product Improvement																			
TADSS													TADSS															
AMD Survivability																									AMD Survivability			

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604117A / Maneuver - Short Range Air Defense (M-SHORAD)	Project (Number/Name) F14 / Maneuver - Short Range Air Defense (M-SHORAD)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Engineering and Technical Support / Emerging Threat Analysis	1	2022	4	2026
Operational Utility Assessment (OUA)	3	2024	3	2024
Developmental Testing (DT)/Test Support	2	2024	2	2026
Initial Operational Test (IOT)	3	2025	4	2025
MS C	3	2026	3	2026
Product Improvement	1	2026	3	2030
TADSS	1	2027	3	2029
AMD Survivability	1	2030	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604119A / Army Advanced Component Development & 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
Total Program Element	-	204.914	-	-	-	0.000	-	-	-	-	-	-
BR2: Advanced Component Development & Prototyping	-	204.914	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Advance Component Development & Prototype budget line includes multiple efforts across the Army's Battlefield Operational Systems necessary to evaluate integrated technologies in the most high fidelity and realistic operating environment as possible to assess the performance or cost reduction potential of advanced technology.

Projects focus on proving component and subsystem maturity prior to integration in major and complex systems and may involve risk reduction initiatives. Efforts also includes advanced technology demonstrations to expedite technology transition from the laboratory to operational use, with the goal of transitioning systems into the acquisition process within the FYDP.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	204.914	0.000	0.000	-	0.000
Current President's Budget	204.914	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604120A I Assured Positioning, Navigation and Timing (PNT)							
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	-	39.223	24.168	8.686	-	8.686	-	-	-	-	-	-
BV4: Area Protection and Alt Nav Technology Development	-	12.489	-	-	-	-	-	-	-	-	-	-
ED5: Assured Positioning, Navigation and Timing (PNT)	-	2.903	14.133	8.686	-	8.686	-	-	-	-	-	-
EH8: DISMOUNTED	-	10.498	10.035	-	-	-	-	-	-	-	-	-
EJ2: MOUNTED	-	13.333	-	-	-	-	-	-	-	-	-	-
A. Mission Description and Budget Item Justification												
This funding line is directly aligned to the Army Assured Positioning, Navigation and Timing modernization priority.												
The Assured Positioning, Navigation and Timing (APNT) capability provides Army ground maneuver forces access to M-Code and assured PNT in accordance with National Defense Authorization Act guidance under conditions where Global Positioning Systems (GPS) may be limited or denied (jammed and spoofed). APNT products are ruggedized tactical systems that enable Army forces the ability to shoot, move, communicate, thereby allowing forces to maneuver from operational and strategic distances to close with, destroy, and exploit the enemy with sufficient combat power, tempo, and momentum. APNT addresses two critical capability gaps: Access and Integrity. Access is the ability to retrieve accurate PNT information in a contested Electronic Warfare/Cyber environment. Integrity is the ability to trust the PNT information. PNT is a critical enabler of many Army Maneuver, Fires, Intelligence, Mission Command and communications that are dependent on accurate Position and Timing, and a foundational Multi-Domain Battle capability to support: calibrated force posture (position and maneuver across strategic distances); multi-domain formations (operate in contested spaces against near-peer adversaries); convergence (continuous integration of capabilities in all domains). APNT capabilities provide critical support to the execution of the Army's Deliberate Transformation as well as Transformation in Contact and the Next Generation Command and Control (NGC2) environment.												
Approved Requirements: The Army Requirements Oversight Council (AROC) approved the Alternative Navigation (ALTNAV) Abbreviated Capabilities Development Document (A-CDD) in 29 August 2022. The Joint Requirements Oversight Council (JROC) approved the Dismounted APNT System (DAPS) Capabilities Development Document (CDD) on 28 January 2022. The Army Requirements Oversight Council (AROC) approved the Mounted APNT System (MAPS) CDD on 12 September 2020. MAPS and DAPS are implementing Congressional and OSD guidance to develop and field Military Code (M-Code) Global Positioning System (GPS) Ground user Equipment. The AROC approved the Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) Abbreviated Capabilities Development Document (A-CDD) on 04 January 2021. In support of House Report 116-442, 2020, the program will prototype modular cards and software according to the Modular Open System Approach (MOSA) standards, for future modernization and new weapons systems. Joint Requirements Oversight Council Memo (JROCM) 049-10, dated 05 April 2010, approved the PNT Assurance Initial Capabilities Document and designated the Army as the Lead Component for Assured PNT.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)	
<p>(BV4) - PE 0604120/BV4 has no Base funds requested in FY 2026. The Area Protection and Alternative Navigation project line funded the Alternative Navigation (ALTNAV) Ground Control Segment (GCS) development effort. The ALTNAV GCS is a global navigation solution providing warfighters with an alternative source of positioning and timing information. In accordance with National Defense Authorization Act (NDAA) Guidance (2021 NDAA: Section 1611), ALTNAV GCS is a complementary capability to Global Positioning System. ALTNAV GCS may be used as contingency in the PNT PACE (Primary, Alternative, Contingency, Emergency) Plan that facilitates continued operations as GPS is degraded or denied. ALTNAV GCS effort formally became a Middle Tier of Acquisition - Rapid Fielding (MTA-RF) program in FY24. The total cost of the ALTNAV Middle Tier of Acquisition effort is \$106.1M procurement from FY24-FY27 and is a single global alternative PNT system. The \$106.1M ALTNAV requirement is fully funded across the Future Years Defense Program.</p> <p>(ED5) - The Assured Positioning Navigation Timing project develops APNT Modernization prototypes that will develop the next generation of PNT solutions for clients and vehicular platforms. It will fully implement a Modular Open Systems Approach (MOSA), incorporate Military GPS User Equipment (MGUE) Increment 2, and improve complimentary PNT capability that provides accurate positioning and timing in the absence of GPS for extended missions. The Assured Positioning Navigation Timing is also developing developed a Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS) Mounted Form Factor (CMFF) APNT Card. These two efforts will enable the transition of incremental and disruptive technologies to fieldable PNT solutions to pace or overmatch current and evolving threats in accordance with National Defense Authorization Act (NDAA) Guidance (2021 NDAA: Section 1611).</p> <p>Starting in FY 2026 the CMFF APNT Card effort was realigned (\$5.365M) to Budget Activity-5 (BA-5) DL9 Project Code APNT Cards C5ISR Mounted Form Factor (CMFF) within PE 0604805A Command, Control, Communications Systems - Eng Dev.</p> <p>(EH8) - PE 0604120/EH8 has no Base funds requested in FY 2026. The Dismounted APNT System (DAPS) meets congressional (10 USC 2281) and Department of Defense guidance to provide resilient and survivable M-Code Global Positioning System (GPS) capable Ground User Equipment (MGUE) receivers and Alternative Navigation (ALTNAV). The DAPS provides Soldiers Assured PNT (APNT) information utilizing various sources of PNT data to address multiple threats and ensure mission success where Global Positioning System (GPS) may be limited or denied. DAPS delivers APNT in an optimized form factor that supports mission profiles in denied environments.</p> <p>(EJ2) - PE 0604120/EJ2 has no Base funds requested in FY 2026. The Mounted APNT System (MAPS) meets congressional (10 USC 2281) and Department of Defense guidance to provide resilient and survivable M-Code GPS capable MGUE receivers and ALTNAV. The MAPS will deliver systems that provide the Army's combat forces access to assured PNT information under conditions where space-based GPS may be limited or denied to enable Army forces the ability to move, shoot, communicate, and provide situational awareness.</p> <p>The FY 2026 request was reduced by \$0.27 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604120A I Assured Positioning, Navigation and Timing (PNT)			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	40.930	24.168	28.170	-	28.170
Current President's Budget	39.223	24.168	8.686	-	8.686
Total Adjustments	-1.707	0.000	-19.484	-	-19.484
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.486	-			
• Adjustments to Budget Years	-	-	-19.484	-	-19.484
• FFRDC Transfer	-0.221	-	-	-	-
<u>Change Summary Explanation</u>					
A \$14.119 Million decrease reflects changes in Army priorities for the Assured Positioning, Navigation, and Timing (APNT) Portfolio.					
\$5.365 Million was realigned to Budget Activity-5 (BA-5), PE 0604805A Command, Control, Communications Systems- Eng Dev, Project Code DL9 APNT Cards C5ISR Mounted Form Factor (CMFF). 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) APNT Card.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) BV4 / Area Protection and Alt Nav Technology 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
BV4: Area Protection and Alt Nav Technology Development	-	12.489	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

There are no Base funds for project Area Protection and ALTNAV Technology Development (BV4) in Fiscal Year (FY) 2026.

Alternative Navigation Ground Control Segment (ALTNAV GCS) is a global navigation solution providing warfighters with an alternative source of positioning and timing information. ALTNAV GCS is a complementary capability to Global Positioning System and may be used as contingency in the PNT PACE (Primary, Alternative, Contingency, Emergency) Plan that facilitates continued operations as GPS is degraded or denied in accordance with National Defense Authorization Act (NDAA) Guidance (2021 NDAA: Section 1611).

The Area Protection and ALTNAV Technology Development project supports the ALTNAV capability and complementary PNT technologies. ALTNAV provides radio frequency (RF) and source diversity that enables Army users access to accurate and assured position and time information in GPS denied environments. ALTNAV Abbreviated Capabilities Development Document (A-CDD) was Army Requirements Oversight Council (AROC) Approved, 29 August 2022.

The program received Middle Tier of Acquisition Rapid Fielding (MTA-RF) approval in May 2024. The total cost of the ALTNAV MTA-RF effort is \$106.1M procurement from FY24-FY27 as a single global alternative PNT system. The \$106.1M ALTNAV requirement is fully funded across the Future Years Defense Program.

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

	FY 2024	FY 2025	FY 2026
Title: Area Protection & Alt Nav Technology Development	12.489	-	-
Description: This effort supports Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Modular Open Suite of Standards (CMOSS), PNT software frameworks and Alternative Navigation (ALTNAV) PNT capabilities.			
Accomplishments/Planned Programs Subtotals	12.489	-	-

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
• K49020: <i>Dismounted Hub</i>	41.533	60.305	72.899	-	72.899	-	-	-	-	-	-
• K49030: <i>Mounted Hub A-PNT</i>	153.517	129.835	104.740	-	104.740	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) BV4 / Area Protection and Alt Nav Technology Development			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• K49041: ALTERNATE NAVIGATION (ALT NAV)	4.962	39.977	34.830	-	34.830	-	-	-	-	-	-
• OMA - 432126000: DCS Long Haul Communications	2.872	3.301	-	-	-	-	-	-	-	-	-
Remarks											
Linked to: K49020 / Dismounted Hub is an OPA subset of Line Item Number 9897K49000 / Assured Positioning, Navigation and Timing K49030 / Mounted Hub A-PNT is an OPA subset of Line Item Number 9897K49000 / Assured Positioning, Navigation and Timing K49041 / Alternative Navigation (ALTNAV) is an OPA subset of Line Item Number 9897K49000 / Assured Positioning, Navigation and Timing 432126000 / DCS Long Haul Communications funds commercial satellite airtime for ALTNAV											
D. Acquisition Strategy											
The Alternative Navigation Ground Control Segment (ALTNAV GCS) utilizes a mix of Federal Acquisition Regulation contracts. The program received Middle Tier of Acquisition Rapid Fielding (MTA-RF) approval in May 2024. The MTA-RF program will span FY24-FY27. This will provide incremental capability to use and inform future Alternative PNT capabilities along with Mounted and Dismounted Assured Positioning, Navigation, and Timing requirements.											
Requirement documents include: - ALTNAV Abbreviated Capabilities Development Document (A-CDD), Army Requirements Oversight Council (AROC) Approved, 29 August 2022. - DAPS Capabilities Development Document (CDD), Joint Requirements Oversight Council (JROC) Approved, 28 January 2022. - MAPS Capabilities Development Document (CDD), Army Requirements Oversight Council (AROC) Approved, 12 September 2020. - Alternative Navigation (ALTNAV) DR, 10 August 2019.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)						Project (Number/Name) BV4 / Area Protection and Alt Nav Technology Development			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	Various : Various	2.803	0.449	Dec 2023	-		-		-		-	0.000	3.252	-
Subtotal			2.803	0.449		-		-		-		-	0.000	3.252	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ALTNAV Ground Control Segment Development	Various	Various : Various	15.131	6.987	Nov 2023	-		-		-		-	0.000	22.118	-
Subtotal			15.131	6.987		-		-		-		-	0.000	22.118	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Services - Government	IA	C5ISR : Various	0.839	0.390	Nov 2023	-		-		-		-	0.000	1.229	-
Engineering and Technical Services - Contractor	Various	DCS Corporation / MITRE / QED Corporation : APG, MD	9.444	2.627	Dec 2023	-		-		-		-	0.000	12.071	-
Subtotal			10.283	3.017		-		-		-		-	0.000	13.300	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation support	IA	Various : Various	7.065	0.820	Nov 2023	-		-		-		-	0.000	7.885	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)						Project (Number/Name) BV4 / Area Protection and Alt Nav Technology Development			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ALTNAV Performance Verification Testing	Various	Various : Various	-	0.562	Feb 2024	-		-		-		-	0.000	0.562	-
ALTNAV Cyber Vulnerability	Various	Various : Various	-	0.654	Dec 2023	-		-		-		-	0.000	0.654	-
Subtotal			7.065	2.036		-		-		-		-	0.000	9.101	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			35.282	12.489		-		-		-		-	0.000	47.771	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)		Project (Number/Name) BV4 / Area Protection and Alt Nav Technology Development	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ALTNAV Ground Control Segment (GCS) Dev																												
ALTNAV GCS Performance Verification Testing																												
ALTNAV GCS Program Initiation																												
ALTNAV GCS Installation & Fielding (OPA Funded)																												
ALTNAV GCS Follow-On Contract Award (OPA Funded)																												
ALTNAV GCS Operations Sustainment and Airtime (OMA funded)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)	Project (Number/Name) BV4 / Area Protection and Alt Nav Technology Development	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ALTNAV Ground Control Segment (GCS) Dev	2	2019	3	2024
ALTNAV GCS Performance Verification Testing	1	2024	2	2024
ALTNAV GCS Program Initiation	3	2024	3	2024
ALTNAV GCS Installation & Fielding (OPA Funded)	3	2024	4	2027
ALTNAV GCS Follow-On Contract Award (OPA Funded)	4	2025	4	2025
ALTNAV GCS Operations Sustainment and Airtime (OMA funded)	1	2028	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) ED5 / Assured Positioning, Navigation and Timing (PNT)			
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
ED5: Assured Positioning, Navigation and Timing (PNT)	-	2.903	14.133	8.686	-	8.686	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In Fiscal Year 2026, 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 was realigned to Budget Activity-5 (BA-5) to PE 0604805A Command, Control, Communications Systems- Eng Dev, Project Code DL9 APNT Cards. This effort continues the development of the CMFF APNT Cards.

A. Mission Description and Budget Item Justification

APNT Modernization development prototypes for a layered/tiered PNT solutions on clients and vehicular platforms. APNT Modernization will fully implement a Modular Open Systems Approach (MOSA), support future integration of Military GPS User Equipment (MGUE) Increment 2, and improve complimentary PNT capability that provides a layered, accurate position and time in the absence of GPS for extended missions. This enables the Science & Technology transitions of incremental and disruptive technologies to fieldable Positioning, Navigation and Timing (PNT) solutions to pace or overmatch current and evolving threats and in accordance with National Defense Authorization Act (NDAA) Guidance (2021 NDAA: Section 1611).

Fiscal Year (FY) 2026 Base funds in the amount of \$8.686 million continues prototype hardware/software development, systems engineering, and program management for the APNT Modernization efforts.

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

	FY 2024	FY 2025	FY 2026
Title: CMFF APNT Cards	2.903	4.008	-
Description: CMFF APNT Cards development.			
FY 2025 Plans: Fiscal Year (FY) 2025 Base funds in the amount of \$4.008 Million continues CMFF APNT Card prototype integration engineering support to the Mounted Common Infrastructure Chassis and initiate prototyping hardware and software.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding transitioned to PE 0604805A Command, Control, Communications Systems - Eng Dev in FY26.			
Title: APNT Modernization	-	10.125	8.686

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Navigation and Timing (PNT)</i>	Project (Number/Name) ED5 / <i>Assured Positioning, Navigation and Timing (PNT)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p>Description: Development will provide a layered/tiered PNT solutions for clients and vehicular platforms, with a fully Modular Open Approach (MOSA), support future integration of Military GPS User Equipment (MGUE) Increment 2, and improve complementary non radio frequency (RF) alternative PNT capabilities.</p> <p>FY 2025 Plans: Fiscal Year (FY) 2025 Base funds in the amount of \$10.125 million supports prototype hardware/software development, systems engineering, and program management efforts.</p> <p>FY 2026 Plans: Fiscal Year (FY) 2026 Base funds in the amount of \$8.686 million continues prototype hardware/software development, systems engineering, and program management for the APNT Modernization efforts.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased from \$10.125 million in Fiscal Year (FY) 2025 to \$8.686 million in FY 2026 due to a change in Army priorities.</p>			
Accomplishments/Planned Programs Subtotals	2.903	14.133	8.686

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
• AW6: <i>Modular GPS Independent Sensors Advanced Tech</i>	8.298	11.282	4.923	-	4.923	-	-	-	-	-	-
• AV8: <i>Navigation Warfare (NAVWAR) Advanced Technology</i>	5.900	3.988	-	-	-	-	-	-	-	-	-
• K49020: <i>Dismounted Hub</i>	41.533	60.305	72.899	-	72.899	-	-	-	-	-	-
• K49030: <i>Mounted Hub A-PNT</i>	153.517	129.835	104.740	-	104.740	-	-	-	-	-	-

Remarks

0603463A AW6 Modular GPS Independent Sensors Advanced Tech and AV8 Navigation Warfare (NAVWAR) Advanced Technology will transition Science & Technology (S&T) work for modular open systems approach (MOSA) compliance to Assured Positioning, Navigation and Timing (APNT).

APNT will transition PNT Modernization/complementary PNT capabilities to the Mounted Hub A-PNT and Dismounted Hub programs.

D. Acquisition Strategy

The acquisition strategy for the APNT Modernization effort is informed by Industry Market Research and analysis from the All Domain Sensing (ADS) Cross Functional Team (CFT). This ADS CFT analysis identified a more affordable layered/tiered capability approach to APNT modernization. Market Research results indicates

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)	Project (Number/Name) ED5 / Assured Positioning, Navigation and Timing (PNT)
<p>multiple industry partners have varying levels of mature capabilities and can support a prototype demonstration (Bid Sample) prior to contract award that will inform acquisition strategy. The effort will utilize a multi-vendor approach using a competitive Other Transaction Authority (OTA) contract to conduct prototyping, engineering and manufacturing activities.</p> <p>Requirement documents include:</p> <ul style="list-style-type: none">- Capability Development Document, Mounted Assured PNT System, 12 September 2020		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navig ation and Timing (PNT)				Project (Number/Name) ED5 / Assured Positioning, Navigation and Timing (PNT)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	Various : Various	5.843	0.673	Nov 2023	2.398	Nov 2024	0.821	Nov 2025	-		0.821	0.000	9.735	Continuing
Subtotal			5.843	0.673		2.398		0.821		-		0.821	0.000	9.735	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CMFF APNT Cards	Various	Various : Various	-	1.073	Dec 2023	2.201	Dec 2024	-		-		-	0.000	3.274	-
APNT Modernization	Various	Various : Various	-	-		6.037	Feb 2025	7.294	May 2026	-		7.294	0.000	13.331	Continuing
Subtotal			-	1.073		8.238		7.294		-		7.294	0.000	16.605	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Contracting Services	C/FFP	Various : APG, MD	11.924	0.848	Nov 2023	2.489	Nov 2024	0.571	Nov 2025	-		0.571	0.000	15.832	Continuing
Subtotal			11.924	0.848		2.489		0.571		-		0.571	0.000	15.832	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluations	Various	Various : Various	-	0.309	Nov 2023	1.008	Jan 2025	-		-		-	0.000	1.317	Continuing
Subtotal			-	0.309		1.008		-		-		-	0.000	1.317	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			17.767	2.903		14.133		8.686		-		8.686	0.000	43.489	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army							Date: June 2025			
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)			Project (Number/Name) ED5 / Assured Positioning, Navigation and Timing (PNT)				
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)		Project (Number/Name) ED5 / Assured Positioning, Navigation and Timing (PNT)

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CMFF APNT Card Development																												
CMFF APNT Card Developmental Testing																												
APNT Modernization Request for Prototype Proposal (RPP)																												
Technical evaluation and prototype demonstration																												
APNT Modernization Contract Award																												
APNT Modernization Contract																												
APNT Modernization Prototype Dev & User Assessment																												
APNT Modernization FAR Production Contract																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Navigation and Timing (PNT)</i>	Project (Number/Name) ED5 / <i>Assured Positioning, Navigation and Timing (PNT)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CMFF APNT Card Development	1	2022	4	2025
CMFF APNT Card Developmental Testing	4	2023	4	2025
APNT Modernization Request for Prototype Proposal (RPP)	1	2026	1	2026
Technical evaluation and prototype demonstration	2	2025	3	2026
APNT Modernization Contract Award	3	2026	3	2026
APNT Modernization Contract	3	2026	1	2030
APNT Modernization Prototype Dev & User Assessment	1	2027	4	2029
APNT Modernization FAR Production Contract	1	2030	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) EH8 / DISMOUNTED			
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
EH8: DISMOUNTED	-	10.498	10.035	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
There are no Base funds for project Dismounted (EH8) in Fiscal Year (FY) 2026.												
Dismounted Assured PNT (APNT) System (DAPS) meets congressional (10 USC 2281) and Department of Defense guidance to provide resilient, survivable, M-Code Global Positioning System (GPS) capable Ground User Equipment (MGUE) receivers and Alternative Navigation (ALTNAV). The DAPS will provide Soldiers Assured PNT (APNT) information utilizing various sources of PNT data to address multiple threats and ensure mission success where Global Positioning System (GPS) may be limited or denied. DAPS will deliver APNT in an optimized form factor that supports dismounted mission profiles in denied environments.												
- DAPS GEN II is leveraging the QRC and lessons learned. Initial Operational Capability completed 07 February 2025.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Dismounted APNT System (DAPS)									10.498	10.035	-	
Description: This effort supports the DAPS hardware and software development, system engineering and client integration, developmental and operational testing, and program management efforts.												
FY 2025 Plans:												
Fiscal Year (FY) 2025 Base funds in the amount of \$10.035 million will support the completion of an Operational Assessment (OA) to determine the operational effectiveness and suitability of an integrated Anti-Jam (AJ) Antenna capability with the DAPS GEN II for future configurations (vehicular, maritime and aviation).												
FY 2025 to FY 2026 Increase/Decrease Statement:												
Funding decreased from \$10.035 Million in Fiscal Year (FY) 2025 to \$0.000 Million in Fiscal Year (FY) 2026. FY 2025 Base funds completes the Operational Assessment of the Anti-Jam (AJ) Antenna capability with DAPS GEN II.												
Accomplishments/Planned Programs Subtotals									10.498	10.035	-	
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	
• K49020: Dismounted Hub	41.533	60.305	72.899	-	72.899	-	-	-	-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) EH8 / DISMOUNTED			
C. Other Program Funding Summary (\$ in Millions)											
	<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOC</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u> <u>Total Cost</u>
<u>Remarks</u>											
K49020 / Dismounted Hub is an OPA subset of Line Item Number 9897K49000 / Assured Positioning, Navigation and Timing.											
D. Acquisition Strategy											
The Dismounted Assured PNT (APNT) System (DAPS) acquisition strategy consists of an iterative development security operations (DevSecOps) methodology for the development, testing, production and fielding of a material solution that implements Congressional guidance for M-Code capability (10 USC 2281), Modular Open Systems Approach (Reference House Report 116-442, 2020), and the DAPS Capability Development Document (CDD) (signed 28 January 2022) performance requirements. The DAPS strategy leverages competitive Other Transaction Authority (OTA) agreements and Small Business Innovative Research (SBIR) contracts to assess industry capabilities, develop prototypes, and mature technology upgrades. Developmental test and operational assessment results informed a best value decision in November 2021 for the selected material solution for final engineering development, production and manufacturing readiness, and Limited User Test (LUT). LUT results informed a major capabilities acquisition program Milestone C decision March 2023. Following the successful Milestone C decision, a sole source, hybrid indefinite Delivery/Indefinite Quantity (ID/IQ) SBIR Phase III production contract was awarded in March 2023. The DAPS program conducted production qualification testing and an Initial Operational Test and Evaluation (IOT&E) in 1Q FY 2024 to support a Full Rate Production Decision in 4Q FY 2024.											
Much like its predecessor the Defense Advanced Global Positioning System Receiver (DAGR), the DAPS must operate in a vehicular, maritime, and aviation environments. The DAPS offers design flexibility that may be leveraged as a multi-role device. Future roles for DAPS may include vehicular, maritime and aviation PNT capability provider. The DAPS program will evaluate and execute an engineering change proposal for integration of an Anti-Jam (AJ) Antenna capability.											
DAPS requirement documents include:											
DAPS GEN II: The Joint Requirements Oversight Council (JROC) approved the Dismounted APNT System (DAPS) Capabilities Development Document (CDD) on 28 January 2022.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Naviga tion and Timing (PNT)</i>						Project (Number/Name) EH8 / <i>DISMOUNTED</i>			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	Various	Various : Various	0.903	0.261	Mar 2024	0.253	Dec 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			0.903	0.261		0.253		-		-		-	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DAPS Prototyping & Engineering Development, Production & Manufacturing Readiness	MIPR	Various : Various	16.456	4.334	Jan 2024	3.393	Jan 2025	-		-		-	Continuing	Continuing	Continuing
Engineering and Technical Product Development	MIPR	C5ISR : APG, MD	3.080	0.959	Nov 2023	0.451	Nov 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			19.536	5.293		3.844		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Services - Government	Various	C5ISR : Various	0.857	0.465	Dec 2023	0.383	Nov 2024	-		-		-	Continuing	Continuing	Continuing
Engineering and Technical Services - Contractor	C/CPFF	Various : Various	1.462	1.067	Dec 2023	0.857	Dec 2024	-		-		-	Continuing	Continuing	Continuing
Subtotal			2.319	1.532		1.240		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025					
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)						Project (Number/Name) EH8 / DISMOUNTED					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Test and Evaluations		MIPR	Various : Various	14.398	3.412	Dec 2023	4.698	Nov 2024	-		-		-	Continuing	Continuing	Continuing	
Subtotal			14.398	3.412		4.698		-		-		-	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			37.156	10.498		10.035		-		-		-	Continuing	Continuing	N/A		
Remarks																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)		Project (Number/Name) EH8 / DISMOUNTED	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DAPS Engineering Change Proposal Dev/ Test																												
DAPS Engineering Change Proposal Operational Demo (OD)																												
Low Rate Initial Production (LRIP)																												
Production Qualification Test (PQT)Initial Operational T...																												
Full Rate Production (FRP) Decision																												
Initial Operational Capability (IOC)																												
Production & Fielding																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Navigation and Timing (PNT)</i>	Project (Number/Name) EH8 / <i>DISMOUNTED</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
QRC Testing and Analyses	2	2021	1	2022
QRC Production & Equipping	3	2021	2	2023
Capability Development Document (CDD)	2	2022	2	2022
Program of Record (POR) Engineering Development for Production	1	2022	2	2023
Developmental Test (POR)	4	2022	1	2023
Limited User Test (LUT)	4	2022	1	2023
Milestone C Production Decision	2	2023	2	2023
DAPS Engineering Change Proposal Dev/ Test	3	2023	2	2026
DAPS Engineering Change Proposal Operational Demo (OD)	2	2026	2	2026
Low Rate Initial Production (LRIP)	2	2023	3	2025
Production Qualification Test (PQT)Initial Operational Test & Evaluation (IOT&E)	4	2023	1	2024
Full Rate Production (FRP) Decision	4	2024	4	2024
Initial Operational Capability (IOC)	2	2025	2	2025
Production & Fielding	3	2025	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) EJ2 / MOUNTED			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
EJ2: MOUNTED	-	13.333	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

There are no Base funds for project Mounted (EJ2) in Fiscal Year (FY) 2026.

The Mounted Assured Positioning, Navigation and Timing System (MAPS) meets congressional (10 USC 2281) and Department of Defense guidance to provide resilient and survivable, M-Code Global Positioning System (GPS) capable Ground User Equipment (MGUE) receivers and Alternative Navigation (ALTNAV). The MAPS delivers systems that provide the Army's combat forces access to assured PNT information under conditions where space-based GPS may be limited or denied, enabling Army forces the ability to move, shoot, communicate, and provide situational awareness. MAPS addresses two critical capability gaps: Access and Integrity. Access is the ability to retrieve PNT information in a contested Electronic Warfare/Cyber environment. Integrity is the ability to trust the PNT information. PNT is a critical enabler of many Army Maneuver, Fire and Command and Control systems that are dependent on accurate Position and Timing. The MAPS will provide PNT when GPS is degraded or denied through military code (M-Code) GPS, Alternative Navigation (ALTNAV) signals, timing, sensor fusion, anti-jam antenna, and beam steering. This capability will deliver distributed assured PNT capabilities to Armored, Stryker and Infantry Brigade Combat Team (BCT) platforms in an iterative and affordable manner that allows for future modernization.

- MAPS GEN II completed Milestone C in July 2022.

- MAPS GEN II completed Initial Operational Test & Evaluation (IOT&E) in February 2024 and Full Rate Production authorized March 2025.

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

	FY 2024	FY 2025	FY 2026
Title: Mounted APNT System (MAPS)	13.333	-	-
Description: Funding supports MAPS hardware and software development, systems engineering, platform and client system integration, development and operational testing, and program management efforts.			
Accomplishments/Planned Programs Subtotals	13.333	-	-

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• K49030: <i>Mounted Hub A-PNT</i>	153.517	129.835	104.740	-	104.740	-	-	-	-	-	-
• ED5: <i>Assured Positioning, Navigation and Timing (PNT)</i>	2.903	14.133	8.686	-	8.686	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025	
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Navigation and Timing (PNT)</i>				Project (Number/Name) EJ2 / <i>MOUNTED</i>			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2026</u>	<u>FY 2026</u>	<u>FY 2026</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Base</u>	<u>OOO</u>	<u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Complete</u>	<u>Total Cost</u>
Remarks											
K49030 / Mounted Hub APNT is an OPA subset of Line Item Number 9897K49000 / Assured Positioning, Navigation and Timing.											
0604120A ED5 Assured Positioning, Navigation and Timing will transition PNT Modernization/complementary PNT capabilities to the MAPS.											
D. Acquisition Strategy											
The Mounted Assured Positioning, Navigation and Timing System (MAPS) acquisition strategy consists of an iterative development operations methodology for the development, testing, production and fielding of a material solution that implements Congressional guidance for M-Code capability (10 USC 2281), modular open systems approach (Reference House Report 116-442, 2020), and the MAPS Capability Development Document (approved 12 September 2020) performance requirements. The MAPS strategy leveraged competitive Other Transaction Authority (OTA) agreements to assess industry capabilities, develop prototypes, and mature technology upgrades. Developmental test and operational assessment results informed a best value decision in September 2020 of the selected material solution for final engineering development, production and manufacturing readiness, and Limited User Test (LUT). LUT results informed a major capabilities acquisition program Milestone C decision in July 2022. A follow-on hybrid fixed priced indefinite delivery indefinite quantity FAR production contract was awarded providing production test articles for Initial Operational Test and Evaluation (IOT&E), demonstrate ramp up to full rate production (FRP) capacity and fielding. The IOT&E demonstrated capability for fielding to Stryker Brigade Combat Teams (SBCTs) and informed the FRP decision in March 2025.											
Acquisition of the hardware and software components for the Modular Open Systems Approach form factor will be performed using Broad Agency Announcements and OTAs to assess industry capabilities, develop prototypes, and mature technology upgrades.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)				Project (Number/Name) EJ2 / MOUNTED					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Support	C/CPFF	Various : Various	4.026	1.345	Jan 2024	-		-		-		-	0.000	5.371	-
Subtotal			4.026	1.345		-		-		-		-	0.000	5.371	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MAPS MOSA component Hardware and Software development	Various	Various : Various	-	4.714	Jan 2024	-		-		-		-	0.000	4.714	-
Subtotal			-	4.714		-		-		-		-	0.000	4.714	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Services - Government	Various	C5ISR : Various	3.810	1.185	Nov 2023	-		-		-		-	0.000	4.995	-
Engineering and Technical Services - Contractor	C/CPFF	Various : Various	11.739	1.137	Jan 2024	-		-		-		-	0.000	12.876	-
Subtotal			15.549	2.322		-		-		-		-	0.000	17.871	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Initial Operational Test & Evaluation (IOT&E)	Various	Various : Various	6.028	4.952	Jan 2024	-		-		-		-	0.000	10.980	-
Subtotal			6.028	4.952		-		-		-		-	0.000	10.980	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604120A / Assured Positioning, Navigation and Timing (PNT)					Project (Number/Name) EJ2 / MOUNTED				
		Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		25.603	13.333		-		-		-		-	0.000	38.936	N/A

Remarks

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0604120A / Assured Positioning, Navigation and Timing (PNT)

Project (Number/Name)

EJ2 / MOUNTED

[illegible]

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604120A / <i>Assured Positioning, Navigation and Timing (PNT)</i>	Project (Number/Name) EJ2 / <i>MOUNTED</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Client and Platform Integration (RDT&E)	3	2019	4	2023
Mounted APNT Prototyping and Testing - Phase 1	1	2019	4	2019
Mounted APNT Prototyping and Testing - Phase 2	4	2019	4	2020
Operational Tech Demonstration	4	2020	4	2020
Direct Requirement Decision Selected Material Solution	4	2020	4	2020
Production Maturation - Phase 3	4	2020	4	2022
Development Test	3	2021	4	2022
Limited User Test	4	2021	4	2021
Milestone C Low Rate Initial Production (LRIP) Decision	4	2022	4	2022
MAPS MOSA Component Hardware & Software Development	1	2024	3	2025
Production Contract Award	4	2022	4	2022
LRIP / Full Rate Production (FRP) and Fielding (OPA)	4	2022	4	2030
Initial Operational Test & Evaluation	4	2023	2	2024
Client and Platform Integration (OPA)	2	2022	4	2026
Full Rate Production Decision	2	2025	2	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604121A I Synthetic Training Environment Refinement & 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
Total Program Element	-	115.519	115.140	240.899	-	240.899	-	-	-	-	-	-
CR2: STE Information Systems (TSS, TMT)	-	57.615	37.955	136.339	-	136.339	-	-	-	-	-	-
CR3: STE Live	-	22.969	34.115	61.181	-	61.181	-	-	-	-	-	-
CR4: STE One World Terrain (OWT)	-	12.710	11.350	39.075	-	39.075	-	-	-	-	-	-
CR5: STE Reconfigurable Virtual Trainer (RVCT)	-	14.724	5.434	1.362	-	1.362	-	-	-	-	-	-
CR7: STE Soldier Virtual Trainer (SVT)	-	7.501	26.286	2.942	-	2.942	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

STE-Software (STE-SW) was previously referred to as STE-Information System (STE-IS).

These funding lines are directly aligned to the Army Synthetic Training Environment (STE) Modernization Priority. STE continues to support the SECARMY and CSA's guidance on the Army's continuous transformation to become more lethal in the live, virtual and constructive training environments enabling Commanders to prioritize time and resources towards building lethality and cohesive teams. STE continues to develop and deliver capabilities that enable Soldiers to shoot, move, communicate, and be experts in their craft through tough, realistic squad to brigade level individual/collective training tasks.

The Synthetic Training Environment (STE) is the next generation holistic combined arms collective training capability that will enable leaders, Soldiers, and units from Squad through Army Service Component Command to train where they will fight, with the partners they will fight with, and in complex operational environments in support of Multi-Domain Operations (MDO). STE will revolutionize Army training by providing the repetition necessary at the Point of Need (PoN) for improved proficiency prior to live training or operations- improving Soldier lethality and survivability. The STE program has multiple Other Transaction Authority (OTA) contracts awarded and will implement an incremental fielding approach leveraging the Software Acquisition pathway (SWP) and the Middle Tier of Acquisition (MTA) pathway. The STE will be available where training occurs (home station, combat training centers, armories, institutions, and deployed locations).

The STE is comprised of five main signature efforts: 1) STE-Software (STE-SW); 2) Reconfigurable Virtual Collective Trainers (RVCT); 3) Squad Immersive Virtual Trainer (SiVT), in partnership with Soldier Lethality's Integrated Visual Augmentation System (IVAS) program); 4) STE Live; and 5) Soldier Virtual Trainer. STE-SW is comprised of Synthetic Training Environment training capability consisting of One World Terrain (OWT), Training Simulation Software (TSS), Training Management Tools (TMT), and Next Generation Constructive (NGC). The RVCT will allow units to collectively train, using proponent developed Combined Arms Training Strategies (CATS), on a simulated, fully interactive, real-time battlefield. Squad Immersive Virtual Trainer (SiVT) is the immersive training capability delivered as part of the IVAS for the close combat Squads that enables IVAS to be a fight, rehearse, and training platform. STE Live focuses on the development of twelve engagement types and

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604121A I Synthetic Training Environment Refinement & Prototyping				
five instrumentation enablers. The twelve engagement types are direct fire, counter-defilade fire, indirect fire, dropped objects, placed objects, thrown objects, guided weapons, autonomous weapons, cyber, directed energy, radiant energy, and plume; the five instrumentation enablers are calculations, networks, sensors, terrains, and transmitters. SVT will provide training to Soldiers Army wide by providing Weapons Skills Development (WSD) and Joint Fires Trainer (JFT).						
The FY 2026 cost of the Synthetic Training Environment-Live Training System (STE-LTS) Middle Tier of Acquisition (MTA) effort is \$44.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.						
The FY 2026 cost of the Reconfigurable Virtual Collective Trainer (RVCT) Middle Tier Acquisition (MTA) effort is \$7.4 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.						
The FY 2026 cost of the Soldier Virtual Trainer (SVT) Middle Tier of Acquisition (MTA) effort is \$37.4 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.						
Synthetic Training Environment Refinement & Prototyping is part of the Army Transformation Initiative.						
The FY 2026 request was reduced by \$1.165 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		109.714	136.029	87.618	-	87.618
Current President's Budget		115.519	115.140	240.899	-	240.899
Total Adjustments		5.805	-20.889	153.281	-	153.281
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-20.889			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		9.810	-			
• SBIR/STTR Transfer		-4.005	-			
• Adjustments to Budget Years		-	-	153.281	-	153.281
Change Summary Explanation						
Increase in FY 2026 funding from the previous PB to the current PB due to Next Generation Constructive addition; additional funds realigned from OMA to RDTE for Training Simulation Software (TSS)/Training Management Tools (TMT); and additional funds for STE Live, and STE One World Terrain (OWT).						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>				Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CR2: <i>STE Information Systems (TSS, TMT)</i>	-	57.615	37.955	136.339	-	136.339	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

STE-Software (STE-SW) was previously referred to as STE-Information System (STE-IS).

The Training Simulation Software/Training Management Tools (TSS/TMT) provides two of the three core functions for the Synthetic Training Environment - Software (STE-SW). TSS/TMT converges our current live, virtual, gaming and constructive environments to provide a single, unified training & management environment from Soldier/Squad to Army Service Component Command (ASCC). TSS/TMT provides the ability to train in a single or multiple live, virtual, gaming and constructive environment simultaneously.

The Training Simulation Software (TSS), the core STE simulation engine, provides the physical and behavior models necessary to replicate the operational environment to enable collective training from Soldier/Squad through ASCC. The TSS provides entity, aggregate, and common services, as well as adjudicates interactions at the entity level (e.g., Computer-Generated Forces (CGF), and synthetic equipment). The Training Management Tool (TMT) enables units to quickly plan, prepare, execute, monitor, and assess collective training events for readiness. TMT provides an easy-to-use interface, combined with an Intelligent tutor to reduce help-desk support, time, and manpower currently required. TMT leverages training management (data) services and authoritative data sources to enable training on demand regardless of geographic location.

In FY 2021, TSS/TMT entered the execution phase of the Software Acquisition Pathway. TSS/TMT facilitates rapid and iterative delivery of its capabilities through a Development, Security, and Operations (DevSecOps) process to support Soldier/Squad (Sq) to Brigade (BDE) level training which began fielding 3QFY2024. The STE-SW ICD was validated 1QFY2025 identifying the CSA's guidance to accelerate the NGC capability requirement beginning in FY 2026 that TSS/TMT will support.

Next Generation Constructive (NGC) provides the constructive training environment to sufficiently train large scale combat operations (LSCO) in multi-domain operations, to include, joint, land, air cyber, space, and maritime. NGC enables collective training to be conducted for Army Service Component Command (ASCC) and below, while increasing efficiency in planning, preparing, and executing training events. NGC will provide the Army the ability to train and educate commanders and their staff across multiple domains (land, air, cyber, space, and maritime). NGC will enable joint and multinational forces to defeat a near-peer threats contesting the Joint Force across all domains.

FY 2026 RDTE dollars for CR2 supports the following efforts:

STE-SW (NGC and TSS/TMT) requirements reflected in the validated STE-SW Initial Capability Document (ICD) 1QFY2025 to address development, modeling, integration, architecture, infrastructure, and cloud migration for acceleration of initial NGC Capability Requirements (CRs) beginning in FY2025. STE-SW provides the

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>
<p>ability for the U.S. Army to conduct Joint and Multinational Operations and ability to model Multidomain Operations (MDO) to train against a hybrid threat contesting joint force objectives in all five domains. It also provides Core Services enabling all elements of live, virtual, and constructive capabilities.</p> <p>FY2026, RDT&E funds will focus on the Chief of Staff of the Army's (CSA) acceleration directive to provide Minimum Viable Product (MVP) of NGC Corps capability in FY 2026. Supports development of NGC capability to enable Corps commanders to conduct Command Post Exercises (CPX) in support of Warfighter Exercises with sufficient fidelity, accuracy, and Command and Control (C2) stimulation meeting training objectives, while minimizing overhead.</p> <p>STE-SW (NGC and TSS/TMT) will iteratively develop, test, and deliver capability through agile software development. Areas of planned focus will be MDO effects, Soldier/Squad to ASCC level scalability, and cloud-based home-station availability of accelerated Corps capabilities. Provides software factory and STE core services in support of constructive software development and integration. Additionally, STE-SW will continue to maintain concurrency with Reconfigurable Virtual Collective Trainer (RVCT) and integration of Avionics Software Emulation (AvSE). Funds continue to support software releases across STE lines of efforts [NGC, RVCT, Soldier Virtual Trainer (SVT), Live Training System (Live)]. All STE-SW development efforts are supported by Technical Assessments, Soldier Touch Points (STPs), test planning events, and value assessments.</p>		
B. Accomplishments/Planned Programs (\$ in Millions)		
Title: Engineering, Support, Test & Evaluation for STE-IS		FY 2024
Description: Direct engineering development, support and test of STE-Information System (STE-IS).		FY 2025
Title: Engineering, Support, Test & Evaluation for STE-SW		FY 2026
Description: Direct engineering development, support and test of Synthetic Training Environment - Software (STE-SW).		
FY 2025 Plans: Funding supports the TSS/TMT continued development of iterative incremental capability, testing and capability releases to enhance live and virtual training and build core services in support of Next Generation Constructive (NGC) acceleration. Continued development and testing will focus in the following areas: -- Architecture: continue with the development of a scalable/flexible Modular Open System Approach (MOSA) architecture and Platform Development Kit (PDK). Continue development of open/common interface to support technology insertion and interoperability with STE programs. Development and support of the core architecture and services to support the SVT and LTS use cases. -- TMT: continue with the development of the user interfaces that will enable Commanders and Leaders at the Soldier/Squad through ASCC echelons to Plan, Prepare, Execute and Assess (PPEA) training exercises/scenarios. Integrate new Authoritative Data Sources (ADS) and initiate development of intelligent tutoring system to simplify and streamline the PPEA process. Continue development of the enterprise management capability to enable equipment and software health monitoring, remote software patching, remote Risk Management Framework compliance audits.		
		47.805
		-
		9.810
		37.955
		136.339

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>		Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>-- TSS: continue development of STE core- services to enable all elements of live, virtual, and constructive to execute PPEA from Soldier/Squad (sq) to ASCC.</p> <p>-- Integration: Continue the integration of TSS, TMT, OWT, RVCT-Air, RVCT-Ground, RVCT-Soldier, Avionics Software Emulation (AvSE), Mission Command Information Systems (MCIS), and Live, Virtual, Constructive - Integration Architecture (LVC-IA) programs. Continues integration of LTS and SVT core services into the STE-SW core.</p> <p>-- Test/Evaluation: Conduct evaluation of the STE-SW capability releases through technical assessments, Soldier Touch Points, test planning events, and Operational Assessments/Demonstration.</p> <p>-- Continue the implementation of the Development, Security, and Operations (DevSecOps) process and the Continuous Integration/Continuous Delivery (CI/CD) software production pipeline. Extend the DevSecOps environment to the other STE programs.</p> <p>-- Continue development and integration of AvSE with STE software baseline to ensure that the RVCT-Air capability is concurrent with Aviation platform systems.</p> <p>-- Continue development and integration of Common Software Libraries (CSL) with the STE software baseline to ensure that the RVCT-Ground capability is concurrent with Ground platform systems.</p> <p>-- Continue enhancing the STE software baseline based on Soldier feedback collected at Soldier Touch Points, Operational Assessments/Demonstrations, and other test events.</p> <p>--TSS/TMT Core Services: initiate development of core services to enable all elements of live, virtual, and constructive to execute PPEA from Soldier/Squad to ASCC as compared to domain unique methods requirements in support of CSA directed acceleration of NGC Corps capabilities.</p> <p>-- NGC Capabilities: begin development of capability requirements in support of CSA directed acceleration of NGC Corps WFX 27-1</p> <p>--NGC Cloud Services: initiate directed CSA NGC cloud-based solution with Enterprise Cloud Management Agency (ECMA) to reduce hardware footprint and enable future cross-domain solution for security classification.</p> <p>--NGC initiate the development of the Cyber domain to support Multi-Domain Operations (MDO)</p> <p>FY 2026 Plans:</p> <p>FY 2026 STE-SW (TSS/TMT and NGC) funding will focus on the U.S. Army's priorities for acceleration of NGC Corps capability to include continuous improvements and development of initial constructive capability in FY26 per CSA directive. Funding supports STE-SW development of iterative incremental capability, testing and capability releases to accelerate NGC Corps capabilities. Continued development and testing will focus on the following areas:</p> <p>-- NGC Cloud services: supports the Army's cloud strategy to eliminate hardware, supports enterprise cross-domain solution, home-station availability and distributed collective training to the point of need.</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>-- NGC Software Development: Initiate development of constructive capabilities to train against a hybrid threat contesting joint force in all five domains of space, cyber, land, air, and maritime. Initiate Combined Arms Movement and Maneuver exercises for leaders, staffs, and units to integrate the employment of combined arms capabilities from across the Warfighting Functions (WfFs) against hybrid threat contesting US dominance in all domains. Provide intuitive tools for user creation and editing of constructive models (to include run-time editing). Create a process for rapid and cost-effective addition of emergent capabilities.</p> <p>-- NGC Integration: integrate service/agency specific simulations and Mission Command Information Systems (MCIS) enabling sharing data as required to establish a common operating picture and meet joint training objectives. Integrate and ingest authoritative data sources for force structure, parametric information, associated behaviors, and space effects from Joint simulations.</p> <p>-- NGC Modeling: initiate modeling of Navy, Air Force, Marines, and Space Force Multinational assets to support MDO training and enable use of military departments modeling services as required for more extensive representation. Begin development of modeling in all five domains and multidomain effects to stimulate training audience, with additional capacity to incorporate higher fidelity models as required. Model kinetic and non-kinetic means on all factions across all dimensions to stimulate training audience. Ensures actors from all factions are adaptive to dynamic situations and react to stimuli from all three dimensions. Model the Sustainment WfF with sufficient detail to drive staff sustainment planning processes. Model military space effects (e.g., comms sat, PNT, and other space sensors-offensive and defensive). Model, or ingest external models to depict sensors and emitters, and the linkages between them (e.g., Radar w/ Missile Systems) as well as kinetic & non-kinetic disruption/interference to those complex systems. Model all factions use of physical and technical means of deception, including thermal, radar, EM scattering effects, and decoys. Model the operational variables across dimensions to support training objectives. Develops Operational Environment (OE) with requisite Political, Military, Economic, Social, Information, Infrastructure-Physical Environment Time (PMESII-PT) variables consistent with the training objectives and echelon(s).</p> <p>-- NGC Semi-autonomous forces: initiates development of semi-autonomous intelligent Opposing Forces (OPFOR) capable of training Large Scale Combat Operations in support of training Offensive, Defensive and Stability Operations. Develops appropriate threat doctrine at scenario specific levels of proficiency, adapting to BLUFOR behaviors, and reducing exercise overhead in comparison to human run OPFOR. Develop simulation capable of depicting current and anticipated threat methods implementing threat methods to drive decisions, adaptations, and training effect for units.</p> <p>-- Architecture: continue with the development of a scalable/flexible Modular Open System Approach (MOSA) architecture and Platform Development Kit (PDK). Continue development of open/common interface to support technology insertion and interoperability with STE programs. Development and support of the core architecture and services to support the live, virtual and constructive use cases.</p> <p>-- TMT: continue development of exercise design and execution tool for all echelons of collective training that supports Army Operations Process. Continue to provide intuitive, Soldier-centric capability to design scenarios to meet unit training objectives with minimal support personnel. Automate access of Authoritative Data Sources for exercise design without requiring a manual database build process. Continue low overhead operations to sustain constructive capabilities sufficient to stimulate staff</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>training processes and mission command systems when limited by cloud and/or austere environments. Continue development of intelligent tutoring system to simplify and streamline the Plan, Prepare, Execute and Assess (PPEA) process. Continue development of terrain editing tools to enable training exercises within the simulations (e.g., construction of earthworks, traffic control points, tunnelling, or bridging).</p> <p>-- TSS: continue development of STE core services to enable all elements of live, virtual, and constructive to execute PPEA from Soldier/Squad to ASCC. Continue development and integration of core gaming capabilities for NGC. Continues development of the enterprise management capability to enable equipment and software health monitoring, remote software patching, remote Risk Management Framework compliance audits. Continue fair fight adjudication across all training domains and training devices. Continue development of static terrain models, battlefield objects, relocatable terrain models, moving models, 3D simulation object library in support of expanded NGC capabilities.</p> <p>-- TSS/TMT Integration: Continue integration of NGC to be managed over the Enterprise Network, and exchange data in a secure manner to enhance effectiveness of training. Integrate Joint and Multination partners during Joint Event Life Cycle process (JELC) enabling sharing of data to facilitate common exercise objectives. Integrate Bi-directional MCIS communication with Army and Joint MCIS to enable MDO training. Initiate STE-SW (NGC) integration with Next Generation Command and Control (NGC2) platform to enable embedded training on future Army MCIS platform. Maintain STE-SW baseline via continuous integration of NGC, OWT, RVCT, LTS, and SVT programs.</p> <p>-- Test & Evaluation: Conduct evaluation of STE-SW (TSS/TMT and NGC) releases through technical assessments, Soldier Touch Points, and Operational Assessments/Demonstration. Utilize Soldier feedback for product improvements and enhancements of STE-SW capabilities.</p> <p>-- Agile Software Development: Continue the Development, Security, and Operations (DevSecOps) process and the Continuous Integration/Continuous Delivery (CI/CD) software production pipeline.</p> <p>-- Infrastructure: Maintain infrastructure for software factory, common software services and frameworks to support consistency and security of agile software development environment. Supports migration to the cloud services when integrating, modifying and enhancing software in development.</p> <p>--Establish enterprise level business processes and services enabling TSS/TMT to efficiently develop, operate and secure capabilities in accordance with OSD Digital Engineering and Army Digital Transformations Strategies. Efforts will promote synergies between the training and testing enablers to improve product development, integration, and cyber activities, and to promote re-use of common assets and services to Army Modernization priorities.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i></p> <p>FY 2026 funding increase due to the accelerated development of NGC for the modernization of the U.S. Army's constructive simulation toolkit used to train Corps Commanders and their staffs. This includes development, modeling, integration, architecture, infrastructure, and cloud migration to support NGC Capability Requirements (CRs) to conduct Joint and Multinational Operations</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
and Multidomain Operations (MDO), the ability to model MDO, and STE Core Services, in addition a zero-sum gain from OMA funds moved to RDTE. Note: The Army has directed software program managers to realign OMA to focus on enabling modern software practices. The change recognizes that software is not developed, tested, procured, operated, and sustained sequentially. Rather, modern software development requires adoption of a Continuous Integration/Continuous Delivery (CI/CD) model where software is continuously and iteratively developed and upgraded throughout the acquisition lifecycle.			
Accomplishments/Planned Programs Subtotals	57.615	37.955	136.339

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
• NA2016: <i>STE INFO SYSTEMS (TSS/TMT)</i>	9.648	24.499	34.892	-	34.892	-	-	-	-	-	-

Remarks

Procurement dollars for Training Simulation Software/Training Management Tools (TSS/TMT) provides Interim Contractor Support to conduct software updates, modifications, Risk Management Framework (RMF) concurrency, Problem Troubleshoot Reports (PTRs), and help desk support for fielded TSS/TMT capability.

Procurement dollars for Next Generation Constructive (NGC) procures scalable infrastructure in order to support the Army Service Component Command (ASCC) level capability.

D. Acquisition Strategy

The Training Simulation Software/Training Management Tools (TSS/TMT) uses the Software Acquisition Pathway. To ensure speed and agility to deliver and modernize STE, a modular open systems architecture (MOSA) is also used to enable the Army to exploit rapid advancements in cutting-edge commercial technologies. Other acquisition elements such as testing, contracting, and technology transition will consider any and all means available to innovate and incorporate complementary support to add momentum in this approach.

The TSS/TMT requirements are codified in the Abbreviated Capabilities Development Document (A-CDD) version 2, approved 2 June 2020, and validated STE-SW ICD, 1QFY2025. TSS/TMT was one of five (5) Other Transaction Authority (OTAs) awarded in FY 2019 in support of the STE prototype initiatives which include: TSS/TMT, One World Terrain (OWT), Reconfigurable Virtual Collective Trainer (RVCT), Live Training Systems (market research only), and Soldier Virtual Trainer (SVT) Weapons Optimization (market research only). Prime(s) and Sub-vendors will execute the STE agreement(s) through an Agile development process with established success criteria and their Development, Security, and Operations (DevSecOps) processes. Vendors will continually include the Government and all stakeholders (Internal and external) in the Agile development process. This process will ensure all parties have transparency and early input into the modular design effort to support success of the product(s) being developed for the STE.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>
<p>STE Increment 1 IOC implements TSS and TMT delivered two of the three foundational capabilities of the STE beginning 3QFY2024 and was defined as the first fielding and acceptance of the capability at installations identified in accordance with the distribution plan. Increment 1 fielded STE systems will deliver software in support of RVCT Soldier, Ground and Air platforms and meet Risk Management Framework (RMF) requirements, and the ability to provide initial sustainment via Interim Contractor Support (ICS). TSS/TMT will continue to implement capability enhancement via follow-on STE Increments.</p> <p>The Programs continue to exercise three Other Transactional Authorities (OTAs) in support of the TSS/TMT and OWT capabilities. The programs are executing development and production OTAs in support of prototyping and fielding efforts. The TSS/TMT prototyping OTA awarded in June 2021 continues with prototype development and evaluation of minimum viable products (MVPs) through the conduct of Technical Assessments, Soldier Touch Points (STPs), and test planning events to provide Squad (Sq) to Army Service Component Command (ASCC) collective training and MDO capability. Development OTAs continues to support semi-annual release of STE software delivering and enhancing collective Squad to ASCC capability. Additionally, FY 2025 begins development of the MDO effects and STE Core Services in support of NGC. TSS/TMT production OTA, awarded in September 2023, continues to support RVCT synchronized fielding's in FY 2025/2026. A STE-SW (NGC and TSS/TMT) development contract will be awarded 4QFY2025 in support of accelerated NGC Corps capabilities in FY 2026.</p> <p>The programs are in the execution phase of the SWP, that is tailored for software intensive systems. STE-SW will facilitate rapid and iterative delivery of the TSS/TMT, OWT and NGC capabilities to support initial MVP Corps capabilities by 4QFY2026. The programs continue to integrate foundational core services with RVCT, SVT, and LTS and field capability throughout the lifecycle of the STE family of programs. These efforts reflect the validated STE-SW Initial Capability Document (ICD) to address integration and infrastructure for the acceleration of initial NGC Capability Requirements (CRs) to conduct Joint and Multinational Operations (MDO), the ability to model MDO, and STE Core Services.</p> <p>The NGC program utilizes an agile software acquisition strategy through executing best-of-breed vendor contracting strategy, adopting an Agile "Continue Integration/Continuous Delivery" development process, and incorporating persistent Soldier touchpoints and user feedback sessions to deliver operationally informed capabilities. Other Transactional Authority (OTA) contracts will be utilized to integrate best-of-breed capability development and advanced prototyping. NGC will align Corps capability development with enduring Soldier touchpoints enabling persistent feedback achieving NGC relevancy, quality, and value while delivering the established constructive simulation requirements.</p>		

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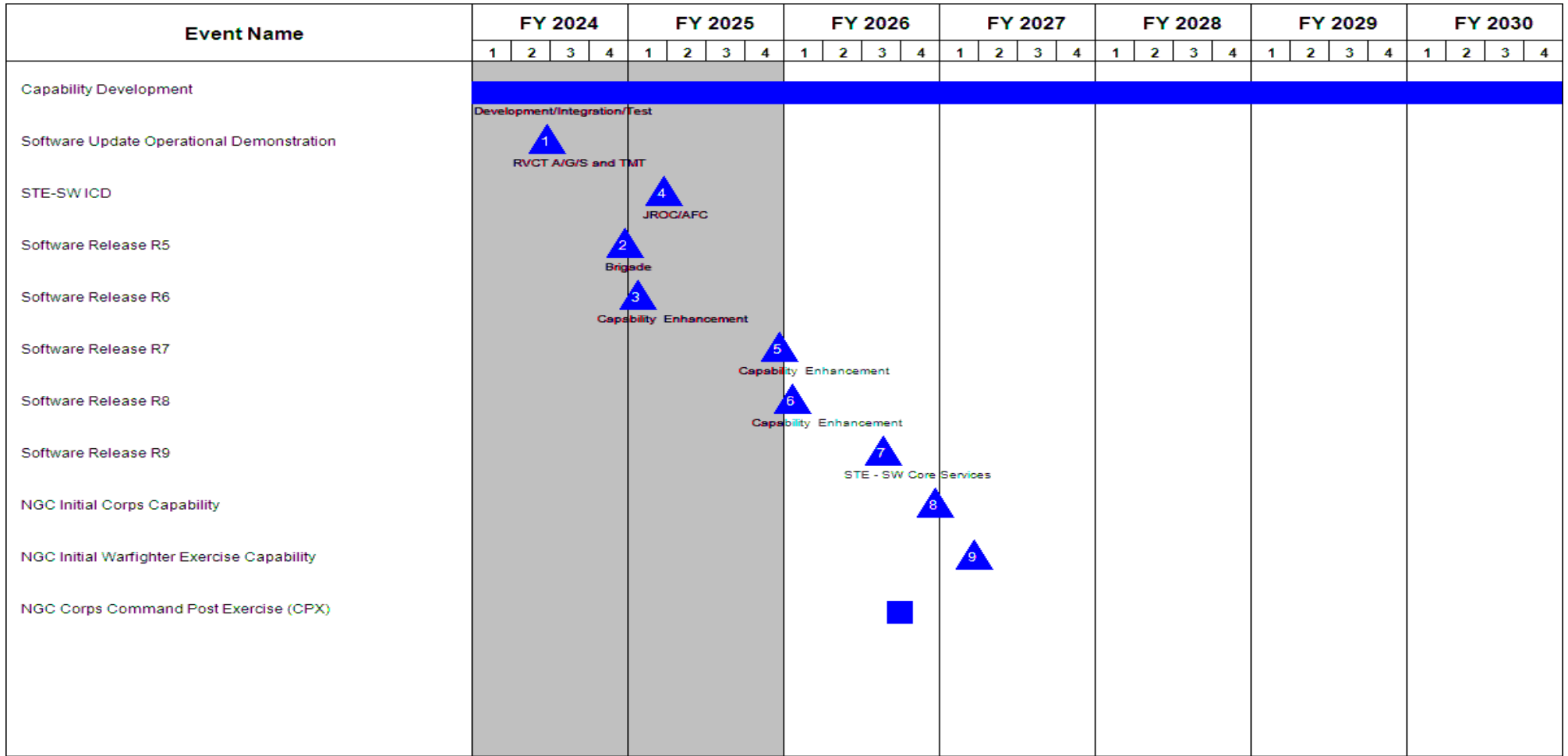
Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>						Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
STE-SW Program Management	Various	PEO STRI : Orlando, FL	-	-		4.389	Oct 2024	4.139	Oct 2025	-		4.139	0.000	8.528	-
STE-SW (NGC) Program Management	Various	PEO STRI : Orlando, FL	-	1.381	Nov 2024	-		-		-		-	0.000	1.381	-
Subtotal			-	1.381		4.389		4.139		-		4.139	0.000	9.909	N/A
Remarks STE- SW Program Management - FY2026 Base RDTE will provide program management, engineering and technical oversight, and travel for the TSS/TMT and NGC Program.															
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AvSE Development/ Integration	Various	CCDC AvMC/ PEO Aviation : Redstone Arsenal, AL	13.906	-		4.036	Jan 2025	7.191	Jan 2026	-		7.191	0.000	25.133	Continuing
STE-SW (TSS/TMT) Software Development*	Option/ FFP	Cole Engineering Services : Orlando, FL	185.906	45.747	Oct 2023	27.703	Oct 2024	35.552	Oct 2025	-		35.552	Continuing	Continuing	Continuing
STE-SW (NGC) Software Development	TBD	TBD : TBD	-	-		-		86.870	Oct 2025	-		86.870	Continuing	Continuing	Continuing
NGC Behavior Modeling and Simulation	Option/ CPFF	Lockheed Martin : Orlando, FL	-	4.046	Nov 2024	-		-		-		-	0.000	4.046	-
NGC Sustainment Modeling and Simulation	Option/ CPFF	Phoenix Logistics, Inc. : Orlando, FL	-	4.383	Oct 2024	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			199.812	54.176		31.739		129.613		-		129.613	Continuing	Continuing	N/A
Remarks Software Development: FY2026, RDTE dollars supports STE-SW (NGC and TSS/TMT) development, modeling, integration, architecture, infrastructure, and cloud migration of accelerated NGC Corps capabilities. Additionally, TSS/TMT concurrency/enhancements to current software capabilities that supports constructive and collective training. AVSE Development: FY2026 RDTE funding continues concurrency of existing air platforms and integration efforts of Apache v6.0 and Unmanned Aerial Systems (UAS).															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR2 / STE Information Systems (TSS, TMT)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
*Note: Current TSS/TMT OTA development contract has increased contract ceiling from \$250M to \$350M and extended PoP thru 4QFY2026 to support integration and infrastructure of STE Core services for accelerated NGC capability. New STE-SW (NGC & TSS/TMT) OTA development contract in support of accelerated NGC Corps capabilities pending 4QFY2025 award. Cost Category items will be refined to reflect the new competitive OTA efforts.															
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MVP SW Releases	Various	Multiple : Orlando, FL	3.642	1.226	Jan 2024	0.982	Jul 2025	1.552	Jul 2026	-		1.552	Continuing	Continuing	Continuing
STE-SW Test Support	Various	ATEC : Orlando, FL	1.937	0.832	Nov 2023	0.845	Nov 2024	1.035	Nov 2025	-		1.035	Continuing	Continuing	Continuing
Subtotal			5.579	2.058		1.827		2.587		-		2.587	Continuing	Continuing	N/A
Remarks TSS/TMT MVCR updates are in the form of software updates. MVCR Updates has been changed to reflect minimum viable product (MVP) software (SW) releases.															
			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			205.391	57.615		37.955		136.339		-		136.339	Continuing	Continuing	N/A
Remarks Increase in FY 2026 funding from the previous PB to the current PB due to the addition of Next Generation Constructive capability that requires development, modeling, integration, architecture, infrastructure, and cloud migration to meet accelerated timeline directed by CSA. Below Threshold Reprogramming (BTR): FY2024 Below Threshold Reprogramming (BTR) \$9M approved for acceleration of NGC capabilities.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping		Project (Number/Name) CR2 / STE Information Systems (TSS, TMT)



Note
STE-SW continues to conduct user touchpoints and assessment events with Soldiers and units that coincide with semi-annual and annual software releases identified on the schedule.

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 4	PE 0604121A / Synthetic Training Environment Refinement & Prototyping	CR2 / STE Information Systems (TSS, TMT)
Adjusted STE-SW ICD validation/approval to 1QFY25.		

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR2 / <i>STE Information Systems (TSS, TMT)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Revised A-CDD (19 Jun 20)	3	2020	3	2020
Capability Development	3	2019	4	2030
MVCR	4	2021	4	2021
Software Release R1	2	2022	2	2022
Software Release R2	4	2022	4	2022
Software Release R3	2	2023	2	2023
Software Release R4	4	2023	4	2023
Software Update Operational Demonstration	2	2024	2	2024
STE-SW ICD	1	2025	1	2025
Software Release R5	4	2024	4	2024
Software Release R6	1	2025	1	2025
Software Release R7	4	2025	4	2025
Software Release R8	1	2026	1	2026
Software Release R9	3	2026	3	2026
NGC Initial Corps Capability	4	2026	4	2026
NGC Initial Warfighter Exercise Capability	1	2027	1	2027
NGC Corps Command Post Exercise (CPX)	3	2026	4	2026

Note

STE-SW continues to conduct user touchpoints and assessment events with Soldiers and units that coincide with semi-annual and annual software releases identified on the schedule.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>				Project (Number/Name) CR3 / <i>STE Live</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CR3: <i>STE Live</i>	-	22.969	34.115	61.181	-	61.181	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Synthetic Training Environment (STE) Live program develops live training systems in concert with the Cross Functional Team STE initiatives. The STE Live program converges live training with the STE, providing units the necessary training components to accelerate and sustain combined arms maneuver proficiency in support of Multi-Domain Operations (MDO). The STE Live program focuses on the development of a next generation live training architecture that leverages innovative technologies and standards to enable the realistic exercise of unit combat weapons up to brigade level in Multi Domain Operation Environments. The challenge today is the Army cannot train as it fights since 40% of Brigade Combat Team (BCT) platforms weapons effects are currently not simulated by today's live training system, Multiple Integrated Laser Engagement System (MILES). STE Live next generation systems will replicate the following new engagement types, improve sensory feedback, increase realism of direct fire engagement, increase realism of battle damage assessments, improve after action reviews and improve instrumentation at the Combat Training Centers and Home Stations: Indirect Fire, Counter-Defilade (M320, MK-19), Place Object (Mines), Thrown Objects (Grenades), Dropped Objects (Bombs), Guided Weapon (Missiles), Autonomous Weapon (Missiles, Smart Munitions), Direct Energy (laser), Radiant Energy (Sonic, Microwave), Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Plumes and Cyber.

FY 2026 RDTE funds will continue to revolutionize Soldier Simulation and Training systems to include a Synthetic Training Environment for 12 engagement types: Direct Fire, Counter-Defilade Fire, Indirect Fire, Dropped Objects, Placed Objects, Thrown Objects, Guided Weapons, Autonomous Weapons, Cyber, Directed Energy, Radiant Energy, and Plume. The 5 instrumentation enablers are Calculations, Networks, Sensors, Terrains, and Transmitters.

The FY 2026 cost of the Synthetic Training Environment-Live Training System (STE-LTS) Middle Tier of Acquisition (MTA) effort is \$44.7 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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

	FY 2024	FY 2025	FY 2026
Title: Engineering, Support, Test & Evaluation for STE Live	22.969	34.115	61.181
Description: Direct engineering development, support and test of the STE Live program through awarded OTA vehicles.			
FY 2025 Plans: FY 2025 Base RDTE dollars in the amount of \$34.115 million furthers the development and hardening of STE Live Inc 1 TESS and continues the development of Inc 2 TESS, including Small Arms Direct Fire, Counter Defilade, and Ground Combat Vehicles.			
FY 2026 Plans: FY 2026 Base RDTE dollars in the amount of \$61.181 million furthers development of STE Live Increment 2 prototypes for the Shoulder Launched Munitions (SLM) variations such as the Individual Assault Munition (IAM) and Multi-role Anti-Armor Anti-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environ ment Refinement & Prototyping</i>	Project (Number/Name) CR3 / <i>STE Live</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p>personnel Weapon System (MAAWS), direct fire, counter defilade, and ground combat vehicles prototype. This is in addition to hardening, environmental testing, and a series of record test to exit prototyping and enter production and fielding. The base dollars will also modify the Combat Training Center networks, enabling these networks to support STS/LTS Inc 1 and Inc 2 products. Additionally, base funding will establish enterprise level business processes and services enabling STE Live program to efficiently develop, operate, and secure capabilities in accordance with OSD Digital Engineering and Army Digital Transformations Strategies. Efforts will promote synergies between the training and testing enablers to improve product development, integration, and cyber activities, and to promote re-use of common assets and services to Army modernization priorities.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 funding increase due to continued development of the Inc 1 Soldier Launched Munition and artillery variations and Inc 2 rapid prototype development efforts.</p>			
Accomplishments/Planned Programs Subtotals	22.969	34.115	61.181

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
• NA2012: <i>STE LIVE TRAINING SYSTEM</i>	26.840	63.375	60.485	-	60.485	-	-	-	-	-	-

Remarks
Procurement dollars for STE Live will procure Force on Force engagement types, updates to the live training infrastructure, and Contractor Logistics Support that will support the integration and fielding of STE Live capabilities to the Combat Training Centers.

D. Acquisition Strategy
To accelerate the live training modernization program, a STE Live Force on Force Modular Open System Approach compliant architecture will be developed addressing training gaps for direct fire, indirect fire, placed objects, thrown objects, and counter-defilade force on force engagement systems to include modernized instrumentation enablers. STE Live will leverage innovative technologies in areas of integrated internet of things, intelligent sensors, augmented reality and haptics to realize these capabilities. STE Live will be acquired using rapid prototyping with objective to achieve production ready solutions within 2 to 3 years after award. STE Live Other Transaction Authority is pursuing Increment 1 Initial Operational Capability in FY 2026 through a follow-on Rapid Fielding OTA. The follow-on development and production for Full Operational Capability will be completed through a Major Capability Acquisition (MCA) contract award.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR3 / STE Live					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
STE Live Prototype Development	C/TBD	TBD : Various/ Various	-	-		34.115	Jul 2025	55.602	Feb 2026	-		55.602	0.000	89.717	-
STE Live Prototype Development	Option/ FFP	General Dynamics Mission Systems, Inc : Orlando, FL	3.650	3.061	Jun 2024	-		-		-		-	0.000	6.711	-
STE Live Prototype Development	Option/ FP	Advanced Technology International : Summerville, SC	27.469	1.450	Jul 2024	-		-		-		-	0.000	28.919	-
STE Live Prototype Development	Option/ CPFF	Scientific Research Corporation : Atlanta, GA	0.457	1.161	Mar 2024	-		-		-		-	0.000	1.618	-
STE Live Prototype Development	Option/ FFP	National Security Technology Accelerator : Crane, IN	53.011	15.310	Jun 2024	-		-		-		-	0.000	68.321	-
STE Live Development Instrumentation	TBD	TBD : Various/ Various	-	-		-		4.719	Feb 2026	-		4.719	0.000	4.719	-
Subtotal			84.587	20.982		34.115		60.321		-		60.321	0.000	200.005	N/A
Remarks															
FY 2026 Prototype Development includes STE Live Increment 1 prototypes for the guided weapons variations such as the Individual Assault Munition (IAM) and Multi-role Anti-Armor Anti-personnel Weapon System (MAAWS), Increment 2 direct fire, counter defilade, and ground combat vehicles prototype.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CBRN Training Support	MIPR	DEVCOM AvMC : Redstone Arsenal, AL	0.300	0.024		-		-		-		-	0.000	0.324	-
Program Support	Various	Various : Various	9.558	0.887	Nov 2024	-		0.860	Jan 2026	-		0.860	0.000	11.305	-
Subtotal			9.858	0.911		-		0.860		-		0.860	0.000	11.629	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping						Project (Number/Name) CR3 / STE Live			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Eval Operational Assessment	MIPR	Army Operational Test Command (USAOTC) : Fort Cavazos, TX	1.211	1.076		-		-		-		-	0.000	2.287	-
Subtotal			1.211	1.076		-		-		-		-	0.000	2.287	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			95.656	22.969		34.115		61.181		-		61.181	0.000	213.921	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping		Project (Number/Name) CR3 / STE Live	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STE Live OTA 21 (DF Small Arms,)																												
STE Live OTA 21 (IDF)																												
STE Live OTA 21 (CDF)																												
STE Live OTA 22 (Mine, Grenade)																												
STE Live OTA 23 (DF Ground Vehicles, Cyber/EW, Plume)																												
STE Live OTA 24 (DF Ground Vehicles, Guided & Autonomous..																												
STE Live OTA 25 (DE, RE, Next Gen Squad Weapon)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping	Project (Number/Name) CR3 / STE Live	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
STE Live OTA 21 (DF Small Arms,)	4	2021	4	2027
STE Live OTA 21 (IDF)	4	2021	4	2024
STE Live OTA 21 (CDF)	4	2021	4	2026
STE Live OTA 22 (Mine, Grenade)	3	2022	4	2024
STE Live OTA 23 (DF Ground Vehicles, Cyber/EW, Plume)	2	2023	4	2025
STE Live OTA 24 (DF Ground Vehicles, Guided & Autonomous Munitions)	2	2024	2	2025
STE Live OTA 25 (DE, RE, Next Gen Squad Weapon)	2	2026	1	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR4 / STE One World Terrain (OWT)			
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
CR4: STE One World Terrain (OWT)	-	12.710	11.350	39.075	-	39.075	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

One World Terrain (OWT) supports the current National Security Strategy (NSS), National Defense Strategy, and National Military Strategy (NMS) as one of the Army's modernization efforts, and one of three core functions of the Synthetic Training Environment - Software (STE-SW). OWT provides a 3D global terrain capability and associated information services that support virtual replication of the physical Earth to reflect the complexities of the operational environment in support of Multi-Domain Operations (MDO) for use in training. OWT enables leaders, Soldiers, and units to train in simulated complex operational environments across the globe replicating dense urban, woodland, jungle, desert, and subterranean areas before the first fight begins.

OWT modernizes the Army's terrain generation capability by automatically processing raw geospatial data into a format that is editable and consumable by standard commercial tools and technologies. It provides the tools to incorporate approved geospatial information updates and local terrain surveys into the OWT foundational repository and will be used by the Synthetic Training Environment (STE) to represent the terrain in a virtual environment.

In FY 2021, OWT entered the Software Acquisition Pathway.

As part of the STE family of programs, OWT provides rapid and iterative delivery of its capabilities to the Training Support System/Training Management Tool (TSS/TMT) for integration into the STE-SW that supports the Reconfigurable Virtual Collective Trainer (RVCT), Next Generation Constructive (NGC), and future STE training systems.

FY 2026 OWT RDTE funds will continue the development of capabilities that automatically process geospatial data into simulation ready 3D terrain for training use; provide geospatial data and models that are editable by standard commercial tools and technologies; and incorporate approved geospatial data updates and user-generated terrain captures into the OWT repository. FY 2026 RDTE funds will also address the OWT requirements codified in the STE-SW ICD, validated 1QFY2025, for One World Terrain (OWT) to accommodate the increased ingestion of terrain, common models, interoperability standards for the acceleration of initial NGC Capability Requirements (CRs) to conduct Joint and Multinational Operations (MDO), the ability to model MDO, and STE Core Services. This is critical to the modernization of the US Army's constructive simulation toolkit used to train Commanders and their staffs at echelon. OWT Program Office costs transitioned from OMA to RDTE based on utilization of the Software Acquisition Pathway.

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

	FY 2024	FY 2025	FY 2026
Title: Engineering, Support, Test & Evaluation for OWT	12.710	11.350	39.075

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>		Project (Number/Name) CR4 / <i>STE One World Terrain (OWT)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: Direct engineering development, support and test of continued automation of One World Terrain (OWT), including the integration and testing of larger data sets in support of higher echelon training</p> <p>FY 2025 Plans: Funding will support the continued automation of OWT feature extraction and attribution as well as program management costs. In addition, OWT will begin to develop advanced capabilities that allow user-generated terrain captures to be incorporated into the OWT repository and standard commercial tools and technologies to be used for geospatial data editing. Also, base funding will continue efforts to improve OWT 3D terrain data integration into the Synthetic Training Environment (STE) family of programs.</p> <p>FY 2026 Plans: Funding will support the continued automation of OWT feature extraction and attribution as well as program management costs. OWT will provide updated terrain data to Mapping and Cartographic Information Systems (MCIS) for map correlation to reflect pre-exercise ground conditions. In addition, OWT will begin to develop advanced capabilities that allow user-generated terrain captures to be incorporated into the OWT repository and standard commercial tools and technologies to be used for geospatial data editing. Also, base funding will continue efforts to improve OWT 3D terrain data integration into the Synthetic Training Environment (STE) family of program and STE Core Service in support of NGC development in accordance with validated STE-SW ICD 1QFY2025. Core Services are the set of common capabilities provided by One World Terrain (OWT). Core Services include ingestion and scaling of authoritative data sources, common models, select joint data and interoperability standards, and system architecture. Funding will establish enterprise level business processes and services enabling OWT to efficiently develop, operate, and secure capabilities in accordance with OSD Digital Engineering and Army Digital Transformations Strategies. Efforts will promote synergies between the training and testing enablers to improve product development, integration, and cyber activities, and to promote re-use of common assets and services to Army modernization priorities.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2025 to FY 2026 funding increase is due to prioritization by Army leadership to accelerate the development, integration, and fielding of Next Generation Constructive (NGC) as defined by Synthetic Training Environment (STE) Software (SW) requirements. As a result, OWT will provide a significant expansion of terrain datasets, increased integration and testing, and the development of additional models to support training at higher echelons in support of the STE Family of Programs.</p>					
Accomplishments/Planned Programs Subtotals			12.710	11.350	39.075

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army									Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR4 / STE One World Terrain (OWT)		
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
• NA2015: STE ONE WORLD TERRAIN	-	-	14.941	-	14.941	-	-	-	-	-	-
Remarks											
Procurement dollars for One World Terrain (OWT) procures terrain data and tech refresh.											
D. Acquisition Strategy											
<p>The OWT requirements are codified in the abbreviated Capabilities Development Document (A-CDD) version 2, approved 2 June 2020 and STE-SW Initial Capabilities Document (ICD), validated 1QFY2025. OWT was one of five (5) Other Transaction Authorities (OTAs) awarded in FY 2019 in support of the STE prototype initiatives which included: STE-SW (Training Simulation Software/Training Management Tool (TSS/TMT) and One World Terrain (OWT)), Reconfigurable Virtual Collective Trainer (RVCT), Live Training Systems (market research only), and Soldier Virtual Trainer (SVT) weapons optimization (market research only). The Prime(s) and Sub-vendors execute the STE agreement(s) through Development, Security, and Operations (DevSecOps) processes. Vendors continually include the Government and stakeholders in the development process. This process ensures all stakeholders have early input into modular design efforts to support accelerated integration of STE family of programs.</p> <p>In June 2021, OWT was designated as a software intensive program and entered the Software Acquisition Pathway as a component of the STE-SW Family of Programs. OWT continues to develop prototype capabilities using the OTA awarded in FY2019 and conduct evaluations of the capability and terrain data products through technical assessments, Soldier Touch Points, test events, and Operational Assessments/Demonstrations held in concert with TSS/TMT. OWT products will be integrated with the TSS/TMT as the core information system for the STE Family of Programs.</p> <p>OWT geospatial data delivered as part of the integrated STE-SW capability, will be in accordance with the STE distribution plan and will meet Information Assurance and Risk Management Framework requirements. Interim Contractor Support is aligned to support the STE fielding, that began in FY 2024. FY 2026 plans reflect validated STE-SW Initial Capability Document (ICD) to address the ingestion of terrain, common models, interoperability stands for the acceleration of initial NGC Capability Requirements (CRs) to conduct Joint and Multinational Operations (MDO), the ability to model MDO, and STE Core Services. The current OWT Development OTA contract will be extended to continue development activities through Dec 2025. OWT will award a Follow-On OTA Contract with MAXAR in Jan 2026.</p>											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR4 / STE One World Terrain (OWT)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OWT Program Management	Various	PEO STRI : Orlando, FL	-	1.271	Feb 2024	1.135	Oct 2024	2.037	Oct 2025	-		2.037	0.000	4.443	-
Subtotal			-	1.271		1.135		2.037		-		2.037	0.000	4.443	N/A
Remarks															
OWT Program Management - FY 2026 base RDTE will provide engineering and technical oversight, SETA Contractor support, and travel for the OWT Program.															
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OWT Capability Development	Option/ FFP	Maxar Technologies : Westminster, CO	27.206	10.985	Dec 2023	9.747	Dec 2024	35.409	Jan 2026	-		35.409	Continuing	Continuing	Continuing
Subtotal			27.206	10.985		9.747		35.409		-		35.409	Continuing	Continuing	N/A
Remarks															
OWT Capability Development: OWT awarded its OTA in June 2019. FY 2024-2026 Base RDTE funding will support the continuation of prototyping activities for the current OWT OTA. The current OWT OTA contract will be extended to continue development activities through Dec 2025. OWT will award a Follow-On OTA Contract with MAXAR in Jan 2026.															
Note: VRICON was acquired by Maxar Technologies on 1 July 2020.															
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OWT Assessment	Various	Various : Orlando, FL	0.904	0.454	Mar 2024	0.468	Mar 2025	1.629	Mar 2026	-		1.629	Continuing	Continuing	Continuing
Subtotal			0.904	0.454		0.468		1.629		-		1.629	Continuing	Continuing	N/A
Remarks															
OWT Assessment - Conducts the evaluation of OWT products through Soldier Touch Points, test events, and Operational Assessments in conjunction with TSS/TMT.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping				Project (Number/Name) CR4 / STE One World Terrain (OWT)				
	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	28.110	12.710		11.350		39.075		-		39.075	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping		Project (Number/Name) CR4 / STE One World Terrain (OWT)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OWT OTA	Current OTA																											
OWT OTA (Extension)					Extension to Current OTA																							
OWT Capability Development	Capability Development																											
OWT Follow-On Production OTA																												
Prototyping OTA																												
OWT Interim Contractor Support (ICS)					Interim Contractor Support (ICS)																							
Operational Demonstration	1 OD																											
STE - SW ICD	2 AROC																											
Software Release 5 (STE-SW)	3 Brigade																											
Software Release 6 (STE-SW)	4																											
Software Release 7 (STE-SW)					5																							
Software Release 8 (STE-SW)									6																			
Software Release 9 (STE-SW)													7															

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR4 / <i>STE One World Terrain (OWT)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
OWT OTA	3	2019	4	2024
OWT OTA (Extension)	1	2025	1	2026
OWT Capability Development	3	2019	1	2032
OWT Follow-On Production OTA	2	2026	1	2032
Prototyping OTA	4	2026	1	2032
OWT Interim Contractor Support (ICS)	4	2024	1	2032
Software Release 3 (STE-SW)	2	2023	2	2023
Software Release 4 (STE-SW)	4	2023	4	2023
Operational Demonstration	2	2024	2	2024
STE - SW ICD	3	2024	3	2024
Software Release 5 (STE-SW)	4	2024	4	2024
Software Release 6 (STE-SW)	1	2025	1	2025
Software Release 7 (STE-SW)	3	2025	3	2025
Software Release 8 (STE-SW)	1	2026	1	2026
Software Release 9 (STE-SW)	3	2026	3	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR5 / STE Reconfigurable Virtual Trainer (RVCT)			
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
CR5: STE Reconfigurable Virtual Trainer (RVCT)	-	14.724	5.434	1.362	-	1.362	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Synthetic Training Environment-Software (STE-SW) and Reconfigurable Virtual Collective Trainer (RVCT) requirements, directly support the Army Collective Training Environment - Initial Capabilities Document (ACTE-ICD) as the Army's cornerstone for replicating the Operational Environment (OE) during training events enabling the Army to train as it fights. Separate, but interoperable, RVCT systems are required for both air and ground collective training. The Air RVCT will represent the U.S. Army, Army National Guard, and Army Reserves fleet of rotary wing aircraft. The Ground RVCT will represent ground track and wheeled vehicles from the U.S. Army and Army National Guard.

The Reconfigurable Virtual Collective Trainer (RVCT) is the Army's next generation Virtual Training System for conducting collective maneuver training, collective gunnery training, mission rehearsal, and pre-deployment training; that will prepare units for Multi-Domain Operations (MDO). The RVCT includes aviation platforms (RVCT-A), ground platforms (RVCT-G), and dismounted infantry devices. The RVCT is transportable to the Point of Need (PoN) allowing units to train anywhere in the world. The RVCT will be enabled using the STE-SW, which provides a fully interactive, real time simulated battlefield.

FY 2026 RDTE funds will provide new variant first article development, integration of lab assets and provide cybersecurity support for RVCT.

The FY 2026 cost of the Reconfigurable Virtual Collective Trainer (RVCT) Middle Tier Acquisition (MTA) effort is \$7.4 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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

	FY 2024	FY 2025	FY 2026
Title: Engineering, Support, Test & Evaluation for RVCT	14.724	5.434	1.362
Description: Direct engineering development, support and test of the Reconfigurable Virtual Collective Trainer (RVCT) program through awarded OTA vehicles.			
FY 2025 Plans: FY2025 Base RDTE dollars in the amount of \$5.434 million for RVCT is to continue development on RVCT future variant kits and the purchase of Avionics Software Emulation (AvSE) and Cole Engineering Services, Inc. integration lab assets.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping				Project (Number/Name) CR5 / STE Reconfigurable Virtual Trainer (RVCT)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Continue development on the RVCT future variant kits, cybersecurity support and complete the purchase of the Lab Integration assets.												
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease is due to balancing the STE portfolio in accordance with Army Senior Leader guidance.												
Accomplishments/Planned Programs Subtotals										14.724	5.434	1.362
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	
• NA2014: STE-RVCT	185.998	96.075	32.627	-	32.627	-	-	-	-	-	-	
Remarks												
Procurement dollars for RVCT will procure STE RVCT devices and Interim Contractor Support to fielded locations.												
D. Acquisition Strategy												
The United States Army has identified requirements for a training capability that provides a Synthetic Training Environment (STE), which includes immersive air and ground Reconfigurable Virtual Collective Trainers (RVCT), and a semi-immersive training capability for dismounted soldiers. The RVCT contributes significantly to the mitigation of four critical capability gaps identified in the Army's Capabilities Needs Analysis (CNA). As part of the STE family of Systems (SoS), the RVCT effort will deliver adaptable, low-overhead, software agnostic, training simulators that enable collective combined arms training in a realistic training environment that is a high-fidelity representation of current and future complex operational environments.												
This STE simplified acquisition management plan for a Rapid Fielding (RF) decision occurred 2QFY2023. A Rapid Fielding production contract was awarded 3QFY2023. The First Unit Equipped (FUE) occurred 4QFY2024. The 2QFY2023 Middle Tier Acquisition-Rapid Fielding (MTA-RF) decision date was driven by several contributing factors; the aging legacy Training Aids Devices Simulators, and Simulations (TADSS), the widening of their respective concurrency gaps, and advanced technology developments in the field of Modeling & Simulation (M&S), that now allow the US Army to realize a level of training realism that is not possible with the current generation of legacy TADSS.												
RVCT executed under the Middle Tier Acquisition-Rapid Prototyping (MTA-RP) authority as of 29 November 2021 in accordance with DoDi 5000.80, "Operation of Middle Tier of Acquisition (MTA), dtd 30 December 2019. Program Executive Officer for Simulation, Training, and Simulation (PEO STRI) is the Milestone Decision Authority for the approved MTA-RP. The MDA for the MTA-RF is the ASA (ALT) Acquisition Executive.												
The Phase 1 RVCT First Article (FA) prototyping phase conducted an iterative discovery and development process that included close collaboration between Soldier stakeholders, customers, industry, and the development engineering community. The RVCT FA prototyping phase provided users with multiple feedback points, using												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR5 / <i>STE Reconfigurable Virtual Trainer (RVCT)</i>
<p>pre-planned Synthetic Training Environment-Software (STE-SW) Minimum Viable Product (MVP) software capability drops to facilitate Soldier Centric Design principles. Throughout the FA prototyping phase, the RVCT PMO prioritized requirements as a trade-off for delivery, affordability, and risk reduction.</p> <p>The RVCT Phase 2 produced prototype GEN2 RVCT A/G systems for use at Fort Cavazos, Texas to support the OA in FY 2022, continued development of the STE-SW, and follow on STPs and the Operational Demonstration in FY2024.</p> <p>The Operational Assessment (OA) of the RVCT GEN2 prototypes were conducted 4QFY2022 at Fort Cavazos, Texas, and STP3 was conducted in 2QFY2023, also at Fort Cavazos, Texas. The OA helped senior leaders determine whether the RVCT systems were operationally effective, suitable, survivable, and safe for intended use to support a 2QFY2023 RVCT entry into MTA-RF. The RVCT OA was conducted on production representative RVCT hardware running the STE-SW Minimum Viable Capability Release (MVCR) Company level software capability.</p> <p>Current cost estimates are in line with a procurement funding request for a rapid fielding OTA production decision with a \$500M ceiling. Production of RVCT began 4QFY2023. The MTA-RF production decision occurred when the Acquisition Decision Memorandum (ADM) was signed 21 Mar 2023. The rapid fielding production contract was awarded 3QFY2023. RVCT successfully completed an Operational Demonstration at Fort Cavazos, TX in 2QFY2024. Production baseline began in 3QFY2024, and fielding began in 4QFY2024 and will continue thru FY 2027.</p> <p>RVCT procured production assets for the AvSE Integration Lab and is planning to procure additional Cole Engineering Services, Inc. integration lab assets in FY2025 and FY2026. RVCT plans to award an OTA modification for development of the Crows J and 30mm first articles in 4QFY2025..</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping						Project (Number/Name) CR5 / STE Reconfigurable Virtual Trainer (RVCT)			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Reconfigurable Virtual Collective Trainers	Option/FP	Cole Engineering Services, Inc : Orlando	14.228	14.324	Apr 2024	5.434	Apr 2025	1.362	Feb 2026	-		1.362	0.000	35.348	-
Subtotal			14.228	14.324		5.434		1.362		-		1.362	0.000	35.348	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Environmental Testing	MIPR	Aberdeen Test Center : Aberdeen MD	0.401	0.400		-		-		-		-	0.000	0.801	-
Subtotal			0.401	0.400		-		-		-		-	0.000	0.801	N/A
Remarks Environmental testing will be conducted at Aberdeen Test Center and funds will be sent via MIPR.															
			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			14.629	14.724		5.434		1.362		-		1.362	0.000	36.149	N/A
Remarks															

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

Date: June 2025

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2040 / 4

R-1 Program Element (Number/Name)

PE 0604121A / Synthetic Training Environ
ment Refinement & Prototyping

Project (Number/Name)	Start Date	End Date	Duration (Days)	Actual Cost	Budgeted Cost	Variance	Cost Index	Performance Index	Cost Variance	Cost Performance	Cost Variance	Cost Performance
101	10/1/2018	10/31/2018	31	100000	100000	0	1.00	1.00	0	1.00	0	1.00
102	11/1/2018	11/30/2018	30	120000	120000	0	1.00	1.00	0	1.00	0	1.00
103	12/1/2018	12/31/2018	31	150000	150000	0	1.00	1.00	0	1.00	0	1.00
104	1/1/2019	1/31/2019	31	180000	180000	0	1.00	1.00	0	1.00	0	1.00
105	2/1/2019	2/28/2019	28	200000	200000	0	1.00	1.00	0	1.00	0	1.00
106	3/1/2019	3/31/2019	31	220000	220000	0	1.00	1.00	0	1.00	0	1.00
107	4/1/2019	4/30/2019	30	250000	250000	0	1.00	1.00	0	1.00	0	1.00
108	5/1/2019	5/31/2019	31	280000	280000	0	1.00	1.00	0	1.00	0	1.00
109	6/1/2019	6/30/2019	30	300000	300000	0	1.00	1.00	0	1.00	0	1.00
110	7/1/2019	7/31/2019	31	320000	320000	0	1.00	1.00	0	1.00	0	1.00
111	8/1/2019	8/31/2019	31	350000	350000	0	1.00	1.00	0	1.00	0	1.00
112	9/1/2019	9/30/2019	30	380000	380000	0	1.00	1.00	0	1.00	0	1.00
113	10/1/2019	10/31/2019	31	400000	400000	0	1.00	1.00	0	1.00	0	1.00
114	11/1/2019	11/30/2019	30	420000	420000	0	1.00	1.00	0	1.00	0	1.00
115	12/1/2019	12/31/2019	31	450000	450000	0	1.00	1.00	0	1.00	0	1.00
116	1/1/2020	1/31/2020	31	480000	480000	0	1.00	1.00	0	1.00	0	1.00
117	2/1/2020	2/28/2020	28	500000	500000	0	1.00	1.00	0	1.00	0	1.00
118	3/1/2020	3/31/2020	31	520000	520000	0	1.00	1.00	0	1.00	0	1.00
119	4/1/2020	4/30/2020	30	550000	550000	0	1.00	1.00	0	1.00	0	1.00
120	5/1/2020	5/31/2020	31	580000	580000	0	1.00	1.00	0	1.00	0	1.00
121	6/1/2020	6/30/2020	30	600000	600000	0	1.00	1.00	0	1.00	0	1.00
122	7/1/2020	7/31/2020	31	620000	620000	0	1.00	1.00	0	1.00	0	1.00
123	8/1/2020	8/31/2020	31	650000	650000	0	1.00	1.00	0	1.00	0	1.00
124	9/1/2020	9/30/2020	30	680000	680000	0	1.00	1.00	0	1.00	0	1.00
125	10/1/2020	10/31/2020	31	700000	700000	0	1.00	1.00	0	1.00	0	1.00
126	11/1/2020	11/30/2020	30	720000	720000	0	1.00	1.00	0	1.00	0	1.00
127	12/1/2020	12/31/2020	31	750000	750000	0	1.00	1.00	0	1.00	0	1.00
128	1/1/2021	1/31/2021	31	780000	780000	0	1.00	1.00	0	1.00	0	1.00
129	2/1/2021	2/28/2021	28	800000	800000	0						

CR5 / STE Reconfigurable Virtual Trainer
(RVCT)

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping	Project (Number/Name) CR5 / STE Reconfigurable Virtual Trainer (RVCT)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
RVCT PH2, Complete Prototypes	3	2021	4	2022
RVCT FUI	4	2023	4	2023
RVCT MDD	1	2022	2	2023
RVCT Army Requirements Oversight Council	4	2022	2	2023
RVCT NET	4	2022	2	2023
RVCT OA	4	2022	4	2022
RVCT MTA Rapid Protoyping	1	2023	1	2028
RVCT MTA Rapid Fielding	3	2023	3	2028
RVCT Continued Development	1	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping				Project (Number/Name) CR7 / STE Soldier Virtual Trainer (SVT)			
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
CR7: STE Soldier Virtual Trainer (SVT)	-	7.501	26.286	2.942	-	2.942	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Soldier Virtual Trainer (SVT) is enabled by the Synthetic Training Environment (STE) and is a virtual immersive trainer that combines and integrates several individual Soldier training capabilities: Weapon Skills Development (WSD), Joint Fires Training (JFT), and Use of Force (UoF). (1) WSD provides immersive capability to meet individual/crew weapons training in support of Army integrated weapon training strategies. (2) JFT provides certification and qualification of Joint Fires Observers (JFO). This includes the training of types II and III close air support according to the JFO Memorandums of Agreement. SVT will take a phased acquisition approach in developing the three capabilities beginning with WSD, JFT, and UoF respectively. SVT's acquisition strategy implementation and award will reduce impact of replacing currently fielded sustained Program of Records (Engagement Skills Trainer II (EST II) and Call for Fire Trainer III (CFFT III)). EST and CFFT PoRs are currently in sustainment awaiting to be replaced by SVT.

FY 2026 RDTE funds for SVT furthers the development of prototype designs for SVT Core Integration, WSD - Increment 2, and JFT capabilities. The prototype designs will inform requirements, technology readiness level maturity, design of the SVT capabilities, and level of effort to integrate with STE Software.

The FY 2026 cost of the Soldier Virtual Trainer (SVT) Middle Tier of Acquisition (MTA) effort is \$37.4 million, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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

	FY 2024	FY 2025	FY 2026
Title: Engineering, Support, Test & Evaluation for SVT	7.501	26.286	2.942
Description: Direct engineering development, support and test of the Soldier Virtual Trainer (SVT) program through awarded OTA vehicles.			
FY 2025 Plans: FY 2025 Base RDTE dollars in the amount of \$26.286 million for SVT furthers the development of prototype designs for SVT Core Integration, WSD-Increment 2 and JFT capabilities. The prototype designs will inform requirements, technology readiness level maturity, design of the SVT capabilities, and level of effort to integrate with STE software.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army							Date: June 2025				
Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping			Project (Number/Name) CR7 / STE Soldier Virtual Trainer (SVT)				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
FY 2026 Base RDTE dollars in the amount of \$2.942 million for SVT furthers the development of prototype designs for SVT Core Integration, WSD-Increment 2, and JFT capabilities. The prototype designs will inform requirements, technology readiness level maturity, design of the SVT capabilities, and level of effort to integrate with STE Software.											
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decrease due to balancing the STE portfolio in accordance with Army Senior Leader guidance.											
Accomplishments/Planned Programs Subtotals							7.501	26.286	2.942		
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
• NA2013: STE-SOLDIER VIRTUAL TRAINER	7.711	10.060	23.457	-	23.457	-	-	-	-	-	-
Remarks Procurement dollars for SVT will procure STE SVT Core and Weapons Skill Development (WSD).											
D. Acquisition Strategy											
The SVT uses the Synthetic Training Environment (STE) modular open systems architecture via virtual interface and hardware standards. SVT optimizes training delivery through the employment of a combination of Operational Environment (OE) mixed reality visualization and Natural User Interface (NUI) technologies to maximize efficiencies for the integration of system capabilities. The SVT system trains individual Soldier capabilities, Weapon Skill Development (WSD) and Joint Fires Training (JFT) into a single capability that can be conducted simultaneously or individually and enable physical movement/exertion related to the execution of a Soldier individual and squad collective training tasks. The system is required to be person transportable and deployable worldwide. It delivers training at the Point of Need (PoN) supporting Army-wide formations such as artillery and weapons skills development.											
SVT entered the Middle Tier Acquisition Rapid Prototyping Pathway in 3QFY2022 and awarded two vendor OTAs in support of the development prototype design for the SVT Core and WSD Increment 1. In May 2023 SVT down selected to a single vendor and awarded the follow-on phase of SVT Core and WSD Increment 1 to continue prototype development and integrate STE Software. Multiple test events including Soldier Touch Points, and Operational Demonstrations will be conducted during the development phase to ensure Warfighter feedback is incorporated and facilitate acceptance in support of FY 2026 First Unit Issue (FUI). SVT will take a phased acquisition approach in developing the two capabilities: WSD and JFT. SVT OTA re-compete for WSD is projected for 4QFY25. JFT option award is projected for 2QFY2027.											
The SVT OTA's Prime(s) and Sub-vendors will execute the STE agreement(s) through an Agile development process with established success criteria and their DevSecOps processes and develop prototypes to prove out the two SVT capabilities: WSD and JFT. SVT vendors will continually include the Government and all											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / <i>Synthetic Training Environment Refinement & Prototyping</i>	Project (Number/Name) CR7 / <i>STE Soldier Virtual Trainer (SVT)</i>
<p>stakeholders (Internal and external) in the SVT Hardware prototype development and the STE-SW Agile development integration process. This process will ensure all parties have transparency and early input into the modular design effort in order to support success of the product(s) being developed for the SVT and interacting with the STE-SW. Other acquisition elements such as testing, contracting, and technology transition will consider any and all means available to innovate and incorporate complementary support to add momentum in this approach.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping						Project (Number/Name) CR7 / STE Soldier Virtual Trainer (SVT)			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Soldier Virtual Trainer (SVT) Development	C/TBD	TBD : Orlando, FL	16.231	5.500	Apr 2025	24.659	Aug 2025	2.242	May 2026	-		2.242	Continuing	Continuing	Continuing
Subtotal			16.231	5.500		24.659		2.242		-		2.242	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SVT - Engineering Support	MIPR	Various : Various	-	2.001	Nov 2023	1.627		0.700	Oct 2025	-		0.700	0.000	4.328	-
Subtotal			-	2.001		1.627		0.700		-		0.700	0.000	4.328	N/A
Remarks MIPRs sent for SVT Program Engineering Support.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			16.231	7.501		26.286		2.942		-		2.942	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025													
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environment Refinement & Prototyping										Project (Number/Name) CR7 / STE Soldier Virtual Trainer (SVT)									
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
SVT Development/STPs																													
SVT OD #1																													
SVT IOC																	1 IOC												
SVT OD #2																													
SVT Production																													

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604121A / Synthetic Training Environ ment Refinement & Prototyping	Project (Number/Name) CR7 / STE Soldier Virtual Trainer (SVT)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
SVT Development/STPs	3	2022	4	2029
SVT OD #1	1	2028	1	2028
SVT IOC	1	2028	1	2028
SVT OD #2	2	2029	2	2029
SVT Production	2	2027	4	2041

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0604134A / <i>Counter Improvised-Threat Demonstration, Prototype Development, and Testing</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	15.826	17.341	5.491	-	5.491	-	-	-	-	-	-
CD4: <i>Counter Improvised-Threat Demonstration</i>	-	15.826	17.341	5.491	-	5.491	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Program Element (PE) develops prototypes and demonstrates technology for detecting and defeating Improvised Explosive Devices (IED). The goal of this Project is to mature technology to increase the ability of deployed forces to positively identify IEDs with minimal false alarms and increase the rate of advance of route clearance missions. Additionally, the objective is to positively neutralize or mitigate the effects of IEDs with minimal collateral damage. Driven by the current threat facing deployed U.S. forces, this PE enables rapid development and delivery of capabilities that enable the detection, neutralization, and risk mitigation of IEDs and their effects. These technologies are intended to be matured and demonstrated for integration onto existing Department of Defense weapon systems.

This PE is coordinated with the Under Secretary of Defense for Research and Engineering (USD/R&E) and the Defense Threat Reduction Agency (DTRA).

Work in this Project is managed by Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) Center. Work is performed by Assistant Secretary of the Army for Acquisition, Logistics and Technology and the Army Research, Development, Test and Evaluation (RDT&E) Enterprise with oversight from Assistant Secretary of the Army for Acquisition, Logistics and Technology for Research and Technology (DASA R&T).

The FY 2026 request was reduced by \$1.797 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 \$0.038 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604134A I Counter Improvised-Threat Demonstration, Prototype Development, and Testing			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	16.426	17.341	10.346	-	10.346
Current President's Budget	15.826	17.341	5.491	-	5.491
Total Adjustments	-0.600	0.000	-4.855	-	-4.855
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-			
• SBIR/STTR Transfer	-0.599	-			
• Adjustments to Budget Years	-	-	-4.855	-	-4.855
<u>Change Summary Explanation</u>					
Funding decrease reflects the reduction of technologies to support maneuver operations in explosive hazard environments.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604134A / Counter Improvised-Threat Demonstration, Prototype Development, and Testing				Project (Number/Name) CD4 / Counter Improvised-Threat 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
CD4: Counter Improvised-Threat Demonstration	-	15.826	17.341	5.491	-	5.491	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project develops prototypes and demonstrates technology for detecting and defeating Improvised Explosive Devices (IED). The goal of this Project is to mature technology to increase the ability of deployed forces to positively identify IEDs with minimal false alarms and increase the rate of advance of maneuver forces. An additional goal is to positively neutralize IEDs with minimal collateral damage. Driven by the current threat facing deployed U.S. forces, this project enables rapid development and delivery of capabilities that enable the detection, neutralization, and mitigation of IEDs and their effects.

This Project is coordinated with the Under Secretary of Defense for Research and Engineering (USD/R&E) and the Defense Threat Reduction Agency (DTRA).

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

	FY 2024	FY 2025	FY 2026
Title: Anti-Armor IED Detection Technology Demonstration	2.750	-	-
Description: This effort demonstrates anti-armor IED detection using technologies to include high resolution electro-optical / infrared and other sensors to detect component characteristics to identify the location of IEDs prior to detonation.			
Title: Teamed IED Detection Technology Demonstration	3.206	3.925	0.931
Description: This effort demonstrates the teaming of small unmanned aerial and ground systems to cooperatively detect IED emplacements and indicators of IED emplacements. This effort optimizes unmanned system teaming to increase the confidence in IED detection using multiple platforms with multiple sensor modes, and integrating their information. This effort will conduct a demonstration in FY 2025 using multiple heterogeneous platforms to reduce false alarms for IED detection.			
FY 2025 Plans: Will demonstrate detection of IEDs utilizing teamed small, unmanned aerial and unmanned ground systems with improved detection performance and reduced false alarms in a relevant environment. Will evaluate potential data fusion techniques for improved detection performance and identify integration challenges and opportunities leveraging work in PE 0603134A.			
FY 2026 Plans: Will demonstrate standoff detection of IEDs utilizing teamed small, unmanned aerial and unmanned ground systems with improved detection performance and reduced false alarms in a cluttered environment. Will demonstrate potential data fusion			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604134A / Counter Improvised-Threat Demonstration, Prototype Development, and Testing	Project (Number/Name) CD4 / Counter Improvised-Threat Demonstration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
techniques for improved detection performance and identify integration challenges and opportunities leveraging work in PE 0603134A.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased based on the planned completion of teamed IED detection efforts within this effort.				
Title: IED Detection Evaluation in Varied Environments Description: This effort conducts characterization of mature IED detection system in in varying environments to ensure performance is known in various environmental conditions. Will conduct a series of annual assessments in varying environments, including hot, wet, and artic to ensure necessary performance. FY 2025 Plans: Will conduct evaluations of mature IED detection and neutralization systems in temperate and jungle environments to assess performance. Will evaluate multiple electro-optical, infrared, radio frequency, electromagnetic induction, and other sensing modalities at appropriate test facilities. Will assess detection performance against various IED components and emplacements. FY 2026 Plans: Will conduct evaluations of mature IED detection and neutralization systems in tropical environments to assess performance. Will evaluate multiple electro-optical, infrared, radio frequency, electromagnetic induction, and other sensing modalities at multiple sites. Will assess detection performance against operationally relevant IED components and emplacements. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased as the scope of the effort focused on a reduced number of technologies being evaluated in jungle environments.		2.018	6.455	2.168
Title: Radio Controlled IED Interoperability Evaluation Description: This effort conducts regular assessments of interoperability of Radio Control IED neutralization technologies in the presence of battlefield and commercial radio frequency signals to ensure performance is maintained. This will be conducted with foreign partners and hosted by different countries.		1.440	-	-
Title: Enhanced Personnel Borne IED Detection Prototyping Description: This effort evaluates the performance of prototype millimeter wave radar and imaging infrared sensors to detect concealed Personnel Borne IEDs (PBIEDs) while deployed. The focus will be on low size, weight and power with high		2.606	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604134A / Counter Improvised-Threat Demonstration, Prototype Development, and Testing	Project (Number/Name) CD4 / Counter Improvised-Threat Demonstration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
probability of detection and low false alarm rates. This effort will evaluate mature solutions for applicability to PBIED detection in environments with both combatant and non-combatant populations.				
<p>Title: Maneuver IED Detection and Mitigation Technology Demonstration</p> <p>Description: This effort focuses on the challenges of the force to detect and mitigate hidden IEDs in a battlefield environment. The detection is focused on anti-armor threats with mitigation through device neutralization or marking. The demonstration will employ detection capabilities on multiple platforms, manned and unmanned, to integrate mature technologies for detection and neutralization of IEDs.</p> <p>FY 2025 Plans: Will assess performance of IED detection sensors and radio controlled IED neutralization technologies in various scenarios. Will mature and evaluate emerging technologies for detection and mitigation of IED threats, including manipulation techniques, electromagnetic, optical, millimeter wave, nuclear quadrupole resonance, and harmonic sensors. Will assess performance of emerging technologies in complex electromagnetic environments.</p> <p>FY 2026 Plans: Will mature performance of standoff on-the-move IED detection sensors and radio controlled IED neutralization technologies in operationally relevant scenarios. Will demonstrate technologies for detection and mitigation of IED threats, including manipulation techniques, electromagnetic, optical, millimeter wave, nuclear quadrupole resonance, and harmonic sensors. Will assess performance of technologies in complex electromagnetic environments.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to a transition of technologies to support maneuver operations in explosive hazard environments.</p>		3.806	5.693	0.972
<p>Title: Neutralization and Mitigation Technology Evaluation in Varied Environments</p> <p>Description: This effort will develop, mature and automate technologies capable of neutralizing IEDs with complex emplacements and configurations. It will evaluate and optimize neutralization capabilities in varied environmental conditions.</p> <p>FY 2025 Plans: Will mature and evaluate electro-magnetic pre-triggering, kinetic devices, remotely operated manipulation, and precision placement technologies to neutralize IEDs with complex emplacements and configurations and/or within complex environmental conditions.</p> <p>FY 2026 Plans:</p>		-	1.268	1.420

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604134A / <i>Counter Improvised-Threat Demonstration, Prototype Development, and Testing</i>	Project (Number/Name) CD4 / <i>Counter Improvised-Threat Demonstration</i>		
B. Accomplishments/Planned Programs (\$ in Millions) Will demonstrate and assess electro-magnetic pre-triggering, kinetic devices, remotely operated manipulation, and precision placement technologies to neutralize and mitigate IEDs with complex emplacements and configurations and/or within complex environmental conditions and/or contested operational scenarios. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increased to support the planned lifecycle of this effort to conduct evaluation of neutralization technologies.		FY 2024	FY 2025	FY 2026
Accomplishments/Planned Programs Subtotals		15.826	17.341	5.491
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy The Army will coordinate plans with USD (R&E), DTRA, and other Services to prototype and demonstrate CIED technologies, with Army and Service Laboratories and/or industry performing the demonstration activities. The Army will use existing and new contracts to perform these efforts with selected industry partners based on solicitations issued. The Army will continue promising technology demonstrations started in FY20 by DTRA based on review with DTRA, USD (R&E) and other Services.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604134A / Counter Improvised-Threat Demonstration, Prototype Development, and Testing				Project (Number/Name) CD4 / Counter Improvised-Threat Demonstration					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Anti-Armor IED Detection Technology Demonstration	C/Various	DEVCOM C5ISR : Ft. Belvoir, VA	5.767	2.750	Feb 2024	-		-		-		-	0.000	8.517	-
Teamed IED Detection Technology Demonstration	C/Various	DEVCOM C5ISR : Ft. Belvoir, VA	1.536	3.206	Dec 2023	3.925	Dec 2023	0.931		-		0.931	0.000	9.598	-
IED Detection Evaluation in Varied Environments	C/Various	ARL : Adelphi, MD	-	2.018	Jan 2024	6.455	Jan 2024	2.168		-		2.168	0.000	10.641	-
Radio Controlled IED Interoperability Evaluation	C/TBD	PEO IEW&S : Aberdeen, MD	-	1.440	Dec 2023	-		-		-		-	0.000	1.440	-
Enhanced Personnel Borne IED Detection Prototyping	C/TBD	DEVCOM CBC : Edgewood, MD	-	2.606	Jan 2024	-		-		-		-	0.000	2.606	-
Maneuver IED Detection and Mitigation Technology Demonstration	C/Various	DEVCOM C5ISR : Ft. Belvoir, VA	-	3.806	Feb 2024	5.693	Feb 2024	0.972		-		0.972	0.000	10.471	-
Neutralization and Mitigation Technology Evaluation in Varied Environments	C/Various	Various : Various	-	-		1.268	Feb 2024	1.420		-		1.420	0.000	2.688	-
Subtotal			7.303	15.826		17.341		5.491		-		5.491	0.000	45.961	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			7.303	15.826		17.341		5.491		-		5.491	0.000	45.961	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604134A / <i>Counter Improvised-Threat Demonstration, Prototype Development, and Testing</i>		Project (Number/Name) CD4 / <i>Counter Improvised-Threat Demonstration</i>	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Anti-Armor Multi-Sensor IED Detection Technology Demonst...																												
Teamed IED Detection Technology Demonstration																												
Teamed IED Detection Demonstration																												
IED Detection Evaluation in Varied Environments																												
IED Detection Evaluation in Varied Environments Eval 1																												
IED Detection Evaluation in Varied Environments Eval 2																												
IED Detection Evaluation in Varied Environments Eval 3																												
Radio Controlled IED Interoperability Evaluation																												
Radio Controlled IED Interoperability Evaluation Event																												
Enhanced Personnel Borne IED Detection Prototyping																												
Maneuver IED Detection and Mitigation Technology Demonst...																												
Neutralization and Mitigation Technology Evaluation in V...																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604134A / <i>Counter Improvised-Threat Demonstration, Prototype Development, and Testing</i>	Project (Number/Name) CD4 / <i>Counter Improvised-Threat Demonstration</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Radio Controlled IED Detection Technology Demonstration	1	2021	4	2023
Radio Controlled IED Detection Phase 2 Demonstration	1	2022	4	2023
Anti-Armor Multi-Sensor IED Detection Technology Demonstration	2	2023	4	2025
Personnel Borne IED Detection Technology Demonstration	1	2021	4	2023
Personnel Borne IED Detection Demonstration	4	2023	4	2023
Off-Route IED Detection Technology Demonstration	1	2022	4	2023
Off-Route IED Demonstration	4	2023	4	2023
Water-Borne IED Detection Technology Demonstration	1	2022	4	2023
Teamed IED Detection Technology Demonstration	2	2023	4	2025
Unmanned System Teaming Integration	2	2023	4	2023
Teamed IED Detection Demonstration	1	2024	4	2025
IED Detection Evaluation in Varied Environments	1	2024	4	2026
IED Detection Evaluation in Varied Environments Eval 1	4	2024	4	2024
IED Detection Evaluation in Varied Environments Eval 2	2	2025	2	2025
IED Detection Evaluation in Varied Environments Eval 3	4	2026	4	2026
Radio Controlled IED Interoperability Evaluation	2	2024	3	2024
Radio Controlled IED Interoperability Evaluation Event	3	2024	3	2024
Enhanced Personnel Borne IED Detection Prototyping	1	2024	4	2024
Maneuver IED Detection and Mitigation Technology Demonstration	1	2024	4	2027
Neutralization and Mitigation Technology Evaluation in Varied Environments	1	2025	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604135A I Strategic Mid-Range Fires							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	25.342	-	231.401	-	231.401	-	-	-	-	-	-
MR3: Mid-Range Capability (MRC) Missiles	-	25.342	-	231.401	-	231.401	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program directly supports the Army's Long Range Precision Fires modernization priority by rapidly developing and fielding critical capabilities to address evolving threats, specifically advanced Anti-Access/Area Denial (A2/AD) systems employed by peer and near-peer adversaries. These threats include sophisticated integrated air defense systems, long-range precision strike capabilities, and advanced electronic warfare techniques.

The FY26 budget request supports the development and prototyping of the Common Autonomous Multi-Domain Launcher (CAML), a mobile, autonomous, and versatile fires platform capable of launching a diverse range of offensive and defensive munitions across multiple domains. CAML will significantly enhance the Army's ability to penetrate contested environments, neutralize high-value targets, and provide responsive fires support to Combatant Commanders. While MRC successfully demonstrated a ground-launched capability utilizing existing missile systems, CAML represents a next-generation approach focused on autonomy, increased payload flexibility, and broader mission applicability.

This funding will facilitate system design finalization, prototype material procurement (including tactical vehicles and munitions), hardware fabrication, software integration, and rigorous developmental and live fire testing. The program is transitioning from the MRC prototype to the CAML prototype, leveraging lessons learned to accelerate development and reduce risk.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	31.559	0.000	0.000	-	0.000
Current President's Budget	25.342	0.000	231.401	-	231.401
Total Adjustments	-6.217	0.000	231.401	-	231.401
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-5.065	-			
• SBIR/STTR Transfer	-1.152	-			
• Adjustments to Budget Years	-	-	231.401	-	231.401

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires	
<p>Change Summary Explanation</p> <p>The FY26 budget request of \$231.401M is essential to accelerate the design, fabrication, integration, and testing of the CAML prototypes, as outlined in the approved Abbreviated Capability Development Document (A-CDD). The increase reflects the necessary investment to procure prototype materials, including tactical vehicles and a variety of munitions, and to conduct comprehensive testing on USG ranges. This investment is critical to delivering a rapidly deployable, autonomous fires capability to the warfighter.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires				Project (Number/Name) MR3 / Mid-Range Capability (MRC) Missiles			
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
MR3: Mid-Range Capability (MRC) Missiles	-	25.342	-	231.401	-	231.401	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Common Autonomous Multi-Domain Launcher (CAML) mission is to provide elements across all echelons with a mobile, autonomous, optionally manned, versatile cross-domain (offensive and defensive) fires capability and capacity far greater than current formation launcher and resupply capabilities. CAML will support a wide range of munitions, including Tomahawk Land Attack Missiles (TLAM), Patriot Missile Segment Enhancement (MSE) interceptors, Multiple Launch Rocket System (MLRS) Family of Munitions (MFOM), and Indirect Fires Protection Capability (IFPC) interceptors.												
CAML reduces emplacement and displacement times, improves crew survivability, adds cross-country mobility, increases overall effectiveness, and allows commanders to mass lethal assets across multiple domains. The system is operated remotely via wireless communication or programmed for autonomous function.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Common Autonomous Multi-Domain Launcher (CAML)									25.342	-	231.401	
Description: Supports the development, prototype, test, and evaluation of CAML, addressing near-term and mid-term threats aligned with the Army's Long Range Precision Fires modernization priorities.												
FY 2026 Plans: FY26 efforts will finalize system design through technical reviews, procuring prototype materials (tactical vehicles and munitions), fabricating hardware, integrating hardware and fire control/autonomy software, and conducting developmental, safety, and live fire testing on USG ranges. Key milestones include initiating integration of the Tomahawk TLAM and PAC-3 MSE interceptors onto the CAML Heavy prototype.												
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$231.401M to support prototype material procurement, integration activities, and comprehensive testing at USG ranges.												
Accomplishments/Planned Programs Subtotals									25.342	-	231.401	
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires	Project (Number/Name) MR3 / Mid-Range Capability (MRC) Missiles
<p>D. Acquisition Strategy</p> <p>The program will utilize a Middle Tier of Acquisition for Rapid Prototyping (MTA-RP) pathway to rapidly demonstrate and mature a common fires platform capable of launching a variety of offensive and defensive munitions. This strategy leverages existing Army munitions, fire control systems, mobility platforms, and ongoing autonomy development efforts to accelerate capability delivery and minimize development costs.</p> <p>The program will pursue a fair and open competition with the intent of awarding Other Transaction Authority for Prototyping (OTAP) award(s) for rapid prototyping, contingent upon Congressional appropriation.</p> <p>The program will deliver the following prototypes:</p> <ul style="list-style-type: none">* 4 CAML Heavy (~15 ton chassis) prototypes firing the Tomahawk Land Attack Missile (TLAM) - 18 months* 1 CAML Heavy (~15 ton chassis) prototype firing the PAC3/MSE interceptor - 24 months* 2 CAML Medium (~7.5 ton chassis) prototypes, one firing MFOM and one firing IFPC - 18 and 24 months, respectively* 1 Autonomous Resupply Vehicle for CAML Medium - 36 months <p>Integrating existing Army systems presents inherent technical challenges. The program will employ rigorous systems engineering and testing to mitigate these risks and ensure successful integration. The program will consider manufacturability and potential production costs during the prototyping phase to inform future scaling decisions. The Autonomous Resupply Vehicle prototype requires a longer development timeline due to the complexity of autonomous systems integration.</p> <p>The CAML requirement document, an Abbreviated Capability Development Document (A-CDD), was approved at the Army Requirements Oversight Council (AROC) in May 2025, demonstrating alignment with Army priorities.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires				Project (Number/Name) MR3 / Mid-Range Capability (MRC) Missiles					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	TBD	Program Management Support : Various	-	2.200		-		10.770		-		10.770	Continuing	Continuing	Continuing
Subtotal			-	2.200		-		10.770		-		10.770	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Prototyping	TBD	Development : Various	-	23.142		-		220.631		-		220.631	Continuing	Continuing	Continuing
Subtotal			-	23.142		-		220.631		-		220.631	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			-	25.342	-		231.401	-		231.401	Continuing	Continuing	N/A		
Remarks															
Program Element (PE) 0604135A / Strategic Mid-Range Fires (RCCTO) in FY 2024 funds logistics support for First Unit Issue (FUI) and supports the transition from PE 0604135A to PE 0605235A / Strategic Mid-Range Capability (PEO MS) and PE 0204229A / Tomahawk (PEO MS).															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires		Project (Number/Name) MR3 / Mid-Range Capability (MRC) Missiles

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Program Management																												
Contract Award																												
Hardware Procurement																												
CAML Heavy Prototype Development Tomahawk																												
CAML Heavy Prototype Tomahawk Delivery																												
CAML Heavy Prototype Development PAC3 MSE																												
CAML Heavy Prototype PAC3 MSE Delivery																												
CAML Medium Prototype Development MLRS MFOM																												
CAML Medium Prototype MLRS MFOM Delivery																												
CAML Medium Prototype Development IFPC																												
CAML Medium Prototype IFPC Delivery																												
CAML Medium ARV Prototype Development																												
CAML Medium ARV Delivery																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604135A / Strategic Mid-Range Fires								Project (Number/Name) MR3 / Mid-Range Capability (MRC) Missiles														
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Contractor Logistics Support																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604135A / <i>Strategic Mid-Range Fires</i>	Project (Number/Name) MR3 / <i>Mid-Range Capability (MRC) Missiles</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Program Management	4	2025	2	2028
Contract Award	4	2025	4	2025
Hardware Procurement	4	2025	4	2025
CAML Heavy Prototype Development Tomahawk	4	2025	1	2027
CAML Heavy Prototype Tomahawk Delivery	2	2027	2	2027
CAML Heavy Prototype Development PAC3 MSE	4	2025	3	2027
CAML Heavy Prototype PAC3 MSE Delivery	3	2027	3	2027
CAML Medium Prototype Development MLRS MFOM	4	2025	1	2027
CAML Medium Prototype MLRS MFOM Delivery	2	2027	2	2027
CAML Medium Prototype Development IFPC	4	2025	3	2027
CAML Medium Prototype IFPC Delivery	3	2027	3	2027
CAML Medium ARV Prototype Development	4	2025	3	2028
CAML Medium ARV Delivery	3	2028	3	2028
Contractor Logistics Support	2	2027	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics							
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	-	201.193	-	25.000	-	25.000	-	-	-	-	-	-
HX3: All Up Round and Canister (AUR+C)	-	118.734	-	25.000	-	25.000	-	-	-	-	-	-
HX4: Common Hypersonic Glide Body (CHGB)	-	12.540	-	-	-	-	-	-	-	-	-	-
HX5: Ground Support Equipment (GSE)	-	34.310	-	-	-	-	-	-	-	-	-	-
HX6: Test and Evaluation	-	35.609	-	-	-	-	-	-	-	-	-	-
A. Mission Description and Budget Item Justification												
The work in this Program Element (PE) supports the research, development, prototype, test and evaluation of technology to rapidly and efficiently procure, transition, and/or field critical enabling technologies and capabilities that address near-term and mid-term threats and is directly aligned to the Army Long Range Precision Fires modernization priority.												
PE 0604182A Hypersonics funded the development and prototype fielding of a Long Range Hypersonic Weapon to suppress adversary Long Range Fires and engage other high payoff/time critical targets. This effort encompassed the growth, testing and transition of Long Range Fires technologies. Additionally, the Army will leverage advancements in technology, materials, and cost-effective production methods to provide superior capabilities through fast, iterative design cycles, flexible hardware development, and modern manufacturing practices.												
The work in this Program Element (PE) now supports development, system flight tests, software validation, and full integration into the High Mobility Artillery Rocket System (HIMARS) platform, which will significantly expand HIMARS lethality. The \$25.0 million requested in FY26 will fund continued prototype refinement, system flight testing, and key components for HIMARS integration, including the launcher pod and fire control system interface. Key milestones in FY26 include a Flight Termination System Trade Study (Q1) and an MVP Flight Test (Q4) demonstrating integration compatibility.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604182A / Hypersonics			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	43.435	0.000	0.000	-	0.000
Current President's Budget	201.193	0.000	25.000	-	25.000
Total Adjustments	157.758	0.000	25.000	-	25.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	159.343	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.585	-			
• Adjustments to Budget Years	-	-	25.000	-	25.000
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2024	FY 2025
Project: HX4: Common Hypersonic Glide Body (CHGB)					
Congressional Add: Near net shape materials				12.540	-
Congressional Add Subtotals for Project: HX4				12.540	-
Congressional Add Totals for all Projects				12.540	-
Change Summary Explanation					
FY 2026: +\$25.000 million Army requested in the FY26 President's Budget to complete funding on Phase 1 activities - Blackbeard Ground-Launch Development					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)			
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
HX3: All Up Round and Canister (AUR+C)	-	118.734	-	25.000	-	25.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Following the successful completion of key prototype and testing phases under Program Element 0604182A / Hypersonics, efforts are transitioning to Program Element 0605232A / Hypersonics EMD to continue development and fielding. This \$25.0 million in FY26 funding in Project HX3 / All Up Round and Canister (AUR+C) supports development, system flight tests, software validation, and full integration of the All Up Round and Canister (AUR+C) into the High Mobility Artillery Rocket System (HIMARS) platform. This integration will expand HIMARS lethality, providing a significant increase in range and firepower against critical targets.

A. Mission Description and Budget Item Justification

The mission of Blackbeard Ground Launch (GL) is to attack/neutralize/suppress/destroy using hypersonic missile delivered precision fires (seeker based) against time sensitive moving targets and hardened targets at a much-reduced cost per missile than currently exists in the Army inventory. Blackbeard Ground Launch (GL) is an affordable, mass-produced hypersonic weapon designed for mid-range precision. The Army will leverage advancements in technology, materials, and cost-effective production methods to provide superior capabilities through fast, iterative design cycles, flexible hardware development, and modern manufacturing practices. Blackbeard GL will offer a complementary but enhanced survivable hypersonic precision strike capability, utilizing existing Army launcher platforms.

Blackbeard GL is not a replacement to the Long Range Hypersonic Weapons (LRHW) as it will not reach similar velocities nor range. The goal of Blackbeard GL is to deliver approximately 80% of the Precision Strike Missile (PrSM) Increment 4 capability at a significantly reduced cost. Key features include integration into modified Multiple Launch Rocket Systems Family of Munitions (MFOM) pods and enhanced target discrimination capabilities. Funding will support development, system flight tests, software validation, and full integration into the High Mobility Artillery Rocket System (HIMARS) platform, which will expand HIMARS lethality.

Blackbeard GL is a companion development to the Army's Common Autonomous Multi-Domain Launcher (CAML) effort which holds the potential to replace the base HIMARS launcher platform amongst other launchers. While envisioned as a primary munition for CAML, Blackbeard GL is designed to be compatible with existing HIMARS platforms as an interim solution.

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

	FY 2024	FY 2025	FY 2026
Title: HIMARS Extended Range Demo (HERD)	118.734	-	25.000
Description: The work in this Program Element (PE) and Project supports development, system flight tests, software validation, and full integration into the High Mobility Artillery Rocket System (HIMARS) platform, expanding HIMARS lethality.			
FY 2026 Plans: 25.0 million in FY26 will fund a critical fixed-fin flight demonstration using a modified Government Furnished Property MFOM pod. This demonstration will validate key aerodynamic and control surface performance parameters, assess system stability, and			

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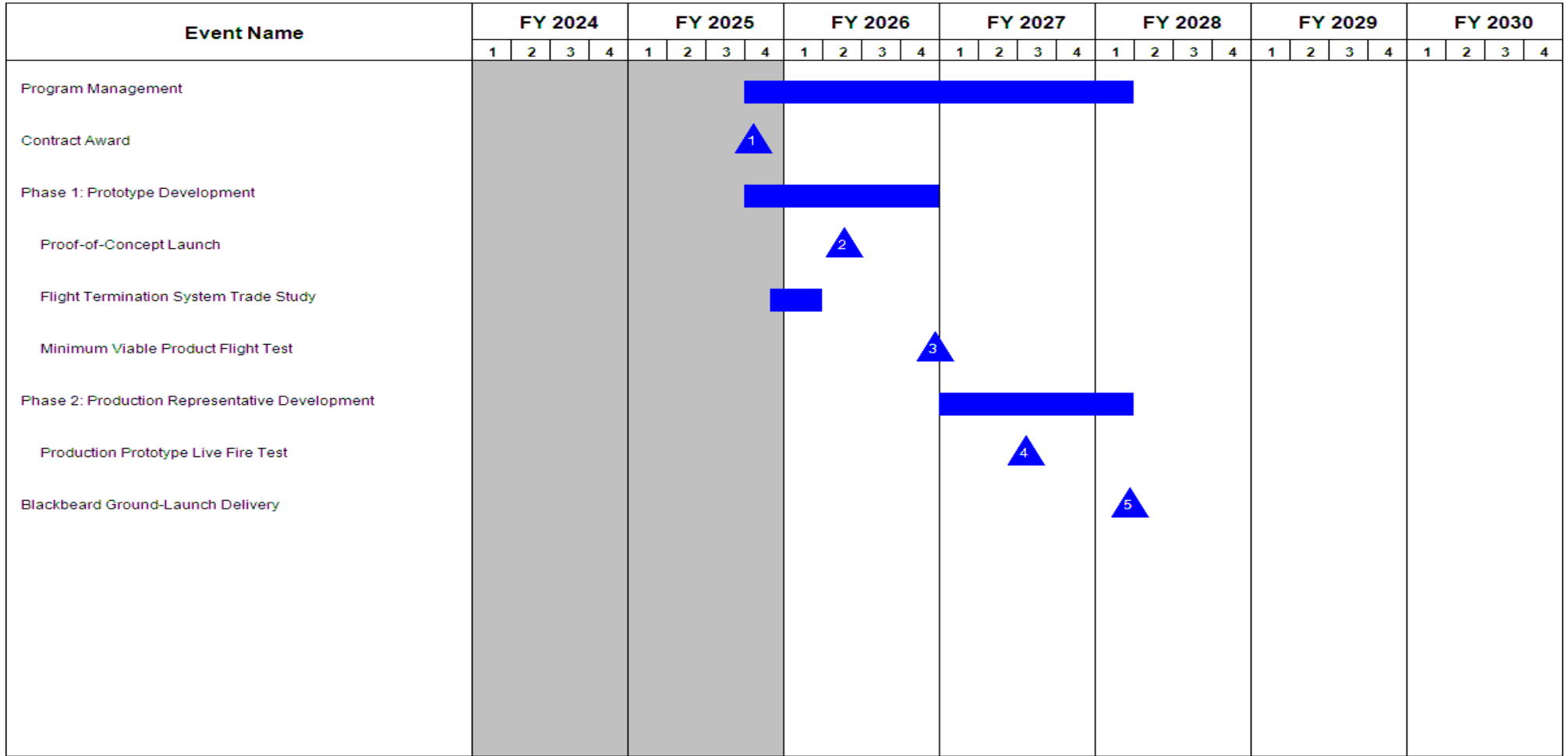
Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / <i>Hypersonics</i>	Project (Number/Name) HX3 / <i>All Up Round and Canister (AUR+C)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
collect data essential for refining the Blackbeard GL design. Furthermore, funding will support the build of Minimum Viable Product (MVP) prototypes to begin evaluating manufacturability and integration with HIMARS systems. Successful completion of these risk reduction activities enables a transition to more advanced prototype development in subsequent years.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY26 funding represents a significant increase to support critical testing and demonstration activities, including the fixed-fin flight demonstration and the construction of MVP prototypes. These activities are essential to validate the Blackbeard GL design, reduce technical risk, and accelerate the path towards a deployable hypersonic weapon system.			
Accomplishments/Planned Programs Subtotals		118.734	-
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy As of June 2025, the program office is pursuing a Middle Tier of Acquisition for Rapid Prototyping (MTA-RP) pathway, with the goal of transitioning the system to Program Executive Office Missile and Space if successful and deemed cost-effective. To accelerate development and leverage innovation, the program office is pursuing acquisition under a Fixed-Firm-Price (FFP) sole-source Other Transaction Authority for Prototyping (OTAP) with Castelion Corporation, a non-traditional defense contractor. Pending Congressional appropriation, the program office will award a contract with a phased scope designed to mitigate risk and provide clear decision points: * Phase 1 (Base): This phase will deliver a prototype proof-of-concept, including a fixed-fin flight demonstration of the existing air-launched, extended-range Blackbeard design from a modified Government Furnished Equipment (GFE) Multiple Launch Rocket System Family of Munitions (MFOM) pod. Following the demonstration, Blackbeard-GL Minimum Viable Product (MVP) prototypes will be fabricated alongside a custom Blackbeard-GL launcher pod, culminating in an MVP flight test launched from the M142 HIMARS Fire Control system. * Phase 2 (Option): If Phase 1 is successful, this option will be exercised to develop and demonstrate the full capability of a production-representative weapon. This includes delivering 10 missiles integrated into the M142 HIMARS launcher platform and fire control system, as well as integrating a Flight Termination System (FTS). This phased approach provides the Army with a clear "off-ramp" should the technology prove immature, ensuring responsible stewardship of taxpayer dollars. Army senior leadership has directed the RCCTO to pursue this capability, as evidenced by an Acquisition Decision Memorandum (ADM) signed in May 2025. The Common Autonomous Multi-Domain Launcher (CAML) Abbreviated Capability Development Document (A-CDD), approved in May 2025, will serve as the Blackbeard GL requirement. The MTA-RP will be initiated and the contract awarded only upon Congressional Appropriation.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Various	Program Management Support : Various	-	10.500		-		1.000		-		1.000	Continuing	Continuing	Continuing
Subtotal			-	10.500		-		1.000		-		1.000	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Blackbeard Ground-Launch Castelion Corporation	SS/FFP	Castelion Corporation : Various	-	108.234		-		24.000	Jul 2025	-		24.000	Continuing	Continuing	Continuing
Subtotal			-	108.234		-		24.000		-		24.000	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			-	118.734		-		25.000		-		25.000	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604182A / Hypersonics		Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)



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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX3 / All Up Round and Canister (AUR+C)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Program Management	4	2025	1	2028
Contract Award	4	2025	4	2025
Phase 1: Prototype Development	4	2025	4	2026
Proof-of-Concept Launch	2	2026	2	2026
Flight Termination System Trade Study	4	2025	1	2026
Minimum Viable Product Flight Test	4	2026	4	2026
Phase 2: Production Representative Development	1	2027	1	2028
Production Prototype Live Fire Test	3	2027	3	2027
Blackbeard Ground-Launch Delivery	1	2028	1	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX4 / Common Hypersonic Glide Body (CHGB)			
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
HX4: Common Hypersonic Glide Body (CHGB)	-	12.540	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
This funding will transition the Budget Activity (BA) 4 AUR+C activities to PE 0605232A / Hypersonics EMD.

A. Mission Description and Budget Item Justification
Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/ Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025
Congressional Add: Near net shape materials	12.540	-
FY 2024 Accomplishments: Near net shape materials.		
Congressional Adds Subtotals	12.540	-

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

Remarks

D. Acquisition Strategy
The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. The CHGB is currently embedded into this strategy as a project. Long lead procurement is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX4 / Common Hypersonic Glide Body (CHGB)
<p>ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.</p> <p>The detailed acquisition strategy specific to CHGB will be defined by PEO M&S to support the follow on CHGB requirements currently funded in PE 0605232A / Hypersonics Weapon (LRHW), Project HX2.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX4 / Common Hypersonic Glide Body (CHGB)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CHGB: Government Personnel and Operations Support	MIPR	Various : Various	-	1.200	Sep 2024	-		-		-		-	0.000	1.200	-
Subtotal			-	1.200		-		-		-		-	0.000	1.200	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CHGB: Dynetics Technical Solutions	C/CPFF	Dynetics Technical Solutions : Huntsville, AL	-	11.340	Sep 2024	-		-		-		-	0.000	11.340	-
Subtotal			-	11.340		-		-		-		-	0.000	11.340	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			-	12.540		-		-		-		-	0.000	12.540	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
2040 / 4					PE 0604182A / Hypersonics					HX4 / Common Hypersonic Glide Body (CHGB)			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CHGB Deliveries																												
JFC-2 Test																												
JFC-3 Test																												
LRHW FUI																												

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CHGB Deliveries																												
JFC-2 Test																												
JFC-3 Test																												
LRHW FUI																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX4 / Common Hypersonic Glide Body (CHGB)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CHGB Deliveries	1	2023	3	2023
JFC-2 Test	2	2023	2	2023
JFC-3 Test	4	2023	4	2023
LRHW FUI	4	2023	4	2023

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX5 / Ground Support Equipment (GSE)			
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
HX5: Ground Support Equipment (GSE)	-	34.310	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY2024 remaining funding for Program Element (PE) 0604182A / Hypersonics and efforts will transition the Budget Activity (BA) 4 GSE activities to PE 0605232A / Hypersonics EMD.												
A. Mission Description and Budget Item Justification Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/ Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Ground Support Equipment (GSE)									32.725	-	-	
Description: This funding is provided for planning, manufacturing and integration efforts for the Battery Operations Center (BOC), Transporter Erector Launcher (TEL), the Fielding and Transition efforts as well as the overall Systems Integration with the All Up Round and Canister (AUR+C) for the LRHW program.												
Title: SBIR/STTR Transfer									1.585	-	-	
Description: Funding transferred in accordance with Title 15 USC §638.												
Accomplishments/Planned Programs Subtotals									34.310	-	-	
C. Other Program Funding Summary (\$ in Millions) N/A												
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX5 / Ground Support Equipment (GSE)
<p>D. Acquisition Strategy</p> <p>The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. The GSE is currently embedded into this strategy as a project. Funding for long lead items is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure funding actions are initiated with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.</p> <p>The detailed acquisition strategy specific to GSE will be defined by PEO M&S to support the follow on GSE requirements currently funded in PE 0605232A / Hypersonics Weapon (LRHW), Project HX2.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX5 / Ground Support Equipment (GSE)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GSE: Government Personnel and Operations Support	Various	Project Office Support : Huntsville, AL	0.623	-		-		-		-		-	0.000	0.623	-
SBIR/STTR	Various	SBIR/STTR Transfer : SBIR/ STTR Transfer	-	1.585	May 2024	-		-		-		-	0.000	1.585	-
Subtotal			0.623	1.585		-		-		-		-	0.000	2.208	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GSE: Lockheed Martin	C/CPFF	Lockheed Martin: Various : Huntsville, AL	82.184	5.058	Apr 2024	-		-		-		-	0.000	87.242	-
GSE: Lockheed Martin	SS/CPFF	Lockheed Martin : Huntsville, AL	-	26.912	May 2024	-		-		-		-	0.000	26.912	-
GSE: Various	MIPR	Various : Various	-	0.755	May 2024	-		-		-		-	0.000	0.755	-
Subtotal			82.184	32.725		-		-		-		-	0.000	114.909	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			82.807	34.310		-		-		-		-	0.000	117.117	N/A
Remarks															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

[illegible]

PE 0604182A / Hypersonics

Project (Number/Name)	Start Date	End Date	Status	Manager	Budget (USD)	Actual Cost (USD)	Progress (%)	Risk Level	Notes
101/Alpha	2023-01-15	2023-03-31	Completed	J. Doe	150,000	148,500	100	Low	Exceeded budget by 1.5%
102/Beta	2023-02-01	2023-05-15	In Progress	A. Smith	220,000	180,000	82	Medium	Minor delays in procurement
103/Gamma	2023-03-10	2023-06-30	On Hold	M. Chen	90,000	0	0	High	Waiting for client approval
104/Delta	2023-04-01	2023-07-31	Planned	S. Kim	180,000	0	0	Medium	Initial planning phase
105/Epsilon	2023-05-01	2023-08-31	Not Started	L. Garcia	110,000	0	0	Low	Resource allocation pending

HX5 / Ground Support Equipment (GSE)

[illegible]

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX5 / Ground Support Equipment (GSE)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contractor Logistics Support (CLS)	1	2023	4	2024
JFC-2 Test	2	2023	2	2023
JFC-3 Test	4	2023	4	2023
Delta New Equipment Training	1	2023	1	2023
LRHW FUI	4	2023	4	2023

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX6 / Test 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
HX6: Test and Evaluation	-	35.609	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note This funding will transition the Budget Activity (BA) 4 Test and Evaluation activities to PE 0605232A / Hypersonics EMD.												
A. Mission Description and Budget Item Justification Funds the effort to field an experimental prototype Hypersonic Weapon System with residual combat capability at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations by the end of FY 2023. Initial fielding of all ground support equipment and training canisters, less live rounds, was completed in FY 2021. The Long Range Hypersonic Weapon (LRHW) system will provide the Army a prototype strategic attack weapon system to defeat Anti Access/ Area Denial (A2/AD) capabilities, suppress adversary Long Range Fires, and engage other high payoff/time critical targets. The Army is working closely with the Navy in the development of the LRHW. Common with the Navy, the LRHW system includes a Common Hypersonic Glide Body (CHGB) and common 34.5 inch booster. Additionally, the LRHW will use an existing Command and Control (C2) Network, the Advanced Field Artillery Tactical Data System (AFATDS).												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Flight Test Planning and Execution									35.609	-	-	
Description: Plan and execute LRHW test events.												
Accomplishments/Planned Programs Subtotals									35.609	-	-	
C. Other Program Funding Summary (\$ in Millions) N/A												
Remarks												
D. Acquisition Strategy The RCCTO has a program level acquisition strategy that will field an experimental prototype Hypersonic Weapons System with residual operational capability NLT FY 2023 at the Battery Level as part of the Long Range Fires Battalion in support of Multi-domain Operations. Contractor Logistics Support (CLS) will be provided for one year following the delivery of the first battery. RCCTO uses a combination of Other Transaction Authority's (OTA's) and the Navy Conventional Prompt Strike (CPS) contract with Lockheed Martin. Test is currently embedded into this strategy as a project. Long lead procurement is required 2 years prior to delivery resulting in a significant ramp up of funding in FY 2021 to meet the FY 2022 manufacturing and FY 2023 fielding requirement. Quick awards of the OTA and Navy CPS contracts ensure procurements are executed with adequate time to execute the funds and program requirements. A SETA contract provides support to the Government Project Office. The PEO M&S transition team is currently embedded within RCCTO to ensure an efficient transition in FY 2024 as a program of record.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604182A / Hypersonics				Project (Number/Name) HX6 / Test and Evaluation					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Test Planning and Execution	MIPR	Various : Various	-	35.609	May 2024	-		-		-		-	0.000	35.609	-
Subtotal			-	35.609		-		-		-		-	0.000	35.609	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			-	35.609		-		-		-		-	0.000	35.609	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army														Date: June 2025					
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
2040 / 4								PE 0604182A / Hypersonics								HX6 / Test and Evaluation			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JFC-2 Test																												
JFC-2 Post Flight Analysis																												
JFC-3 Test																												
LRHW FUI																												

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JFC-2 Test																												
JFC-2 Post Flight Analysis																												
JFC-3 Test																												
LRHW FUI																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604182A / Hypersonics	Project (Number/Name) HX6 / Test and Evaluation	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JFC-2 Test	2	2023	2	2023
JFC-2 Post Flight Analysis	2	2023	3	2023
JFC-3 Test	4	2023	4	2023
LRHW FUI	4	2023	4	2023

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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	-	10.651	-	-	0.000	-	-	-	-	-	-
CQ9: Biotechnology for Materials - Dem/Val	-	-	10.651	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This Project will create a pipeline to down-select promising biotechnology capabilities towards fielded novel solutions for warfighter needs by enabling prototyping at an efficiency and speed greater than is currently possible, through integration of "cutting-edge" instrumentation and robotics in laboratory and armament/warfare centers/depots testing & evaluation systems. T-BRSC will deliver biotechnology advanced evaluations that exhibit Defense supply chain resiliency by providing alternative means of sourcing critical materials (e.g. jet fuel precursors, energetic precursors, lubricants, epoxies, anti-fouling compounds, recovery of rare earth elements) for transition into service acquisition programs. T-BRSC's comprehensive DoD investment strategy will develop the necessary biotechnology pipeline from demonstration and prototyping to manufacture and fielding, to reduce the risk of technological overmatch by adversaries and enable U.S. military and national security objectives for the future. This will provide Supply Chain Resiliency to the U.S. military, while enabling U.S. industry to support military and national security objectives, as well as de-risking cross-cutting and dual-use technologies necessary to drive commercialization and promote the U.S. Bioeconomy to compete with adversaries.

Work in this Project complements PE 0603386A (Biotechnology for Materials - Advanced Research) / CP7 (Biotechnology Demonstration and Evaluation).

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by Assistant Secretary of the Army for Acquisition, Logistics and Technology and the Army Research, Development, Test and Evaluation (RDT&E) Enterprise.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	20.862	0.000	-	0.000
Current President's Budget	0.000	10.651	0.000	-	0.000
Total Adjustments	0.000	-10.211	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-10.211			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604386A / <i>Biotechnology for Materials - Dem/Val</i>				Project (Number/Name) CQ9 / <i>Biotechnology for Materials - Dem/Val</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
CQ9: <i>Biotechnology for Materials - Dem/Val</i>	-	-	10.651	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

For FY26, this program is complete.

A. Mission Description and Budget Item Justification

This Project will create a pipeline to down-select promising biotechnology capabilities towards fielded novel solutions for warfighter needs by enabling prototyping at an efficiency and speed greater than is currently possible, through integration of "cutting-edge" instrumentation and robotics in laboratory and armament/warfare centers/ depots testing & evaluation systems. T-BRSC will deliver biotechnology advanced evaluations that exhibit Defense supply chain resiliency by providing alternative means of sourcing critical materials (e.g. jet fuel precursors, energetic precursors, lubricants, epoxies, anti-fouling compounds, recovery of rare earth elements) for transition into service acquisition programs. T-BRSC's comprehensive DoD investment strategy will develop the necessary biotechnology pipeline from demonstration and prototyping to manufacture and fielding, to reduce the risk of technological overmatch by adversaries and enable U.S. military and national security objectives for the future. This will provide Supply Chain Resiliency to the U.S. military, while enabling U.S. industry to support military and national security objectives, as well as de-risking cross-cutting and dual-use technologies necessary to drive commercialization and promote the U.S. Bioeconomy to compete with adversaries.

Work in this Project complements PE 0603386A (Biotechnology for Materials - Advanced Research) / CP7 (Biotechnology Demonstration and Evaluation).

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by Army Research, Development, Test and Evaluation (RDT&E) Enterprise.

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

	FY 2024	FY 2025	FY 2026
Title: Title: Biotechnology for Materials - Dem/Val	-	10.651	-
Description: Description: This task evaluates the application of emerging biotechnologies and bio-manufactured materials for acquisition programs to address resilient military supply chain for needs.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025					
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val		Project (Number/Name) CQ9 / Biotechnology for Materials - Dem/Val			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024		FY 2025		FY 2026	
Will begin the evaluation of the application of biofuels as energetic materials in hypersonic systems; evaluate the performance of these fuels in hypersonic weapon systems; evaluate the application of high temperature resistant bio-manufactured composites hypersonic defense systems, unmanned aerial vehicles (UAVs) and fire-resistant casings for batteries.							
FY 2025 to FY 2026 Increase/Decrease Statement: This program completes in FY25.							
Accomplishments/Planned Programs Subtotals		-		10.651		-	
C. Other Program Funding Summary (\$ in Millions)							
N/A							
Remarks							
N/A							
D. Acquisition Strategy							
N/A							

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val					Project (Number/Name) CQ9 / Biotechnology for Materials - Dem/Val				
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Biotechnology for Materials - Dem/Val	Various	Various : Various	-	-		1.073	Oct 2024	-		-		-	0.000	1.073	-
Subtotal			-	-		1.073		-		-		-	0.000	1.073	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
High energy density endothermic biofuels combustion in scramjet combustor system	Various	Various : Various	-	-		2.379	Nov 2024	-		-		-	0.000	2.379	-
Self-insulating missile case prototypes and burn testing; bio-based airframe complete.	Various	Various : Various	-	-		0.996	Nov 2024	-		-		-	0.000	0.996	-
Subtotal			-	-		3.375		-		-		-	0.000	3.375	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
High fidelity testing of bio-blend endothermic fuel cooling/heat-sink properties for flight testing	Various	Various : Various	-	-		3.213		-		-		-	0.000	3.213	-
Materials qualification testing, demonstration of drone manufacturing	Various	Various : Various	-	-		2.990		-		-		-	0.000	2.990	-
Subtotal			-	-		6.203		-		-		-	0.000	6.203	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val					Project (Number/Name) CQ9 / Biotechnology for Materials - Dem/Val				
		Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		-	-		10.651		-		-		-	0.000	10.651	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val		Project (Number/Name) CQ9 / Biotechnology for Materials - Dem/Val	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Evaluate emerging biotechnologies and bio-manufactured m...																												
High energy density endothermic biofuels combustion in s...																												
Self-insulating missile case prototypes and burn testing...																												
High fidelity testing of bio-blend endothermic fuel cool...																												
Materials qualification testing, demonstration of drone ...																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604386A / Biotechnology for Materials - Dem/Val	Project (Number/Name) CQ9 / Biotechnology for Materials - Dem/Val	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Evaluate emerging biotechnologies and bio-manufactured materials	1	2025	4	2026
High energy density endothermic biofuels combustion in scramjet combustor system	1	2025	4	2025
Self-insulating missile case prototypes and burn testing; bio-based airframe complete.	1	2025	4	2025
High fidelity testing of bio-blend endothermic fuel cooling/heat-sink properties for flight testing	3	2025	4	2026
Materials qualification testing, demonstration of drone manufacturing	3	2025	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604403A / <i>Future Interceptor</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	3.899	8.058	8.019	-	8.019	-	-	-	-	-	-
FM3: <i>Future Interceptor</i>	-	3.899	8.058	8.019	-	8.019	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

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

The Future Interceptor will defend against current and emerging air, missile, and hypersonic threats in the lower tier of the ballistic missile defense battlespace. The Future Interceptor increases Air and Missile Defense (AMD) capability through improved velocity, altitude, and maneuverability characteristics. Requested funding continues Virtual Missile Model (VMM) development to support and establish concept definitions. Products from the Future Interceptor concept definitions phase supports advanced technology efforts for maturation that may be implemented in the Future Interceptor.

The FY 2026 request for Future Interceptor includes \$8,019 thousand of discretionary and \$144,000 thousand of mandatory (reconciliation) for a total of \$152,019 thousand. The mandatory funds execute competitive contracts with industry to begin capability maturation to achieve a Total Effector Rapid Prototyping to deliver to the Warfighter in the shortest time possible. Number of competitive contracts will be determined by responses received to RFI for interest in Future Interceptor development. Further information for this reconciliation request is provided in Section 20003 of the Reconciliation Exhibit.

The FY 2026 request for Future Interceptor includes \$8,019 thousand of discretionary and \$144,000 thousand of mandatory (reconciliation) for a total of \$152,019 thousand. The mandatory funds execute competitive contracts with industry to begin capability maturation to achieve a Total Effector Rapid Prototyping to deliver to the Warfighter in the shortest time possible. Number of competitive contracts will be determined by responses received to RFI for interest in Future Interceptor development. Further information for this reconciliation request is provided in Section 20003 (Missile Defense) of the Reconciliation Exhibit.

The FY 2026 request was reduced by \$0.015 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604403A / Future Interceptor			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	8.040	8.058	8.068	-	8.068
Current President's Budget	3.899	8.058	8.019	-	8.019
Total Adjustments	-4.141	0.000	-0.049	-	-0.049
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-3.848	-			
• SBIR/STTR Transfer	-0.293	-			
• Adjustments to Budget Years	-	-	-0.049	-	-0.049

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604403A / <i>Future Interceptor</i>				Project (Number/Name) FM3 / <i>Future Interceptor</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FM3: <i>Future Interceptor</i>	-	3.899	8.058	8.019	-	8.019	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Future Interceptor will defend against current and emerging air, missile, and hypersonic threats in the lower tier of the ballistic missile defense battlespace. The Future Interceptor increases Air and Missile Defense (AMD) capability through improved velocity, altitude, and maneuverability characteristics. Requested funding continues Virtual Missile Model (VMM) development to support and establish concept definitions. Products from the Future Interceptor concept definitions phase supports advanced technology efforts for maturation that may be implemented in the Future Interceptor.

The FY 2026 request for Future Interceptor includes \$8,019 thousand of discretionary and \$144,000 thousand of mandatory (reconciliation) for a total of \$152,019 thousand. The mandatory funds execute competitive contracts with industry to begin capability maturation to achieve a Total Effector Rapid Prototyping to deliver to the Warfighter in the shortest time possible. Number of competitive contracts will be determined by responses received to RFI for interest in Future Interceptor development. Further information for this reconciliation request is provided in Section 20003 of the Reconciliation Exhibit.

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

	FY 2024	FY 2025	FY 2026
Title: Program Development and Support	3.606	8.058	8.019
Description: Provide program development and support for the Future Interceptor program, including technical work, concept definition, modeling & simulation work, and other related efforts.			
FY 2025 Plans:			
- Development of contracting structure and Request for Proposal (RFP) preparation to award development contract(s) in follow-on years			
- Technology Readiness Level (TRL) assessments of critical technology elements to determine if maturity is ready for development			
- Begin derivation of the Future Interceptor technical performance requirements based on user threshold and objective requirements from the Capability Development Document and production of the Future Interceptor performance specification.			
FY 2026 Plans:			
- Continue Technology Readiness Level (TRL) maturation of critical technology elements.			
- Continue Modeling and Sim (M&S) support from AvMC to obtain Subject-Matter-Expertise (SME) on the Virtual Missile Models (VMM) developed by the contractors			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604403A / <i>Future Interceptor</i>	Project (Number/Name) FM3 / <i>Future Interceptor</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 funding increase due to revised economic assumptions.			
Title: SBIR/STTR Transfer		0.293	-
Description: Funding transferred in accordance with Title 15 USC §638.			-
Accomplishments/Planned Programs Subtotals		3.899	8.058
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
Future Interceptor is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes integration with an evolving common fires mission command, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.			
D. Acquisition Strategy			
To provide improved operational effectiveness, the Army used the Defense Ordnance Technology Consortium (DOTC) Other Transactions Agreements (OTA) to execute a competitive initial concept definition (CD) with two contractors. From the CD phase, development approaches will utilize detailed modeling and simulation of the Future Interceptor as well as conduct prototype development of high-risk hardware technologies. This approach and the resulting technologies and designs will inform the selection of Acquisition Strategy most advantageous for this project.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604403A / Future Interceptor				Project (Number/Name) FM3 / Future Interceptor					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PAC-3 Product Office	MIPR	Project Office : Huntsville, AL	0.707	0.071	Dec 2023	0.371	Dec 2024	0.379	Dec 2025	-		0.379	0.000	1.528	Continuing
SBIR/STTR Transfer	TBD	TBD : TBD	-	0.293		0.294		-		-		-	0.000	0.587	-
Subtotal			0.707	0.364		0.665		0.379		-		0.379	0.000	2.115	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SETA	Various	Multiple : Multiple	1.677	0.864	Feb 2024	0.881	Feb 2025	0.898	Feb 2025	-		0.898	0.000	4.320	Continuing
US Other Government Agencies (OGA)	MIPR	Various : Huntsville, AL	14.048	2.671	Feb 2024	6.512	Feb 2025	6.742	Feb 2025	-		6.742	0.000	29.973	Continuing
Subtotal			15.725	3.535		7.393		7.640		-		7.640	0.000	34.293	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			16.432	3.899		8.058		8.019		-		8.019	0.000	36.408	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army																Date: June 2025																
Appropriation/Budget Activity 2040 / 4										R-1 Program Element (Number/Name) PE 0604403A / Future Interceptor								Project (Number/Name) FM3 / Future Interceptor														
Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Analysis and Modeling and Sim Development																																
Future Interceptor Development																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604403A / <i>Future Interceptor</i>	Project (Number/Name) FM3 / <i>Future Interceptor</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DOTC Concept Development	1	2020	4	2023
Abbreviated Capability Development Document	4	2023	4	2023
Analysis and Modeling and Sim Development	4	2023	4	2026
Future Interceptor Development	1	2027	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	54.854	79.983	45.281	-	45.281	-	-	-	-	-	-
CQ5: C-sUAS Joint New Capabilities Development	-	41.684	38.790	24.118	-	24.118	-	-	-	-	-	-
CQ6: C-sUAS Joint Enabling Capabilities Development	-	13.170	41.193	21.163	-	21.163	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Secretary of Defense (SecDef) designated the Secretary of the Army (SA) as the Department of Defense's (DoD) Executive Agent (EA) for Counter-small Unmanned Aircraft Systems (C-sUAS). The EA is tasked with leading, directing, and synchronizing DoD efforts to counter small Unmanned Aircraft System (sUAS) threats while minimizing unnecessary duplication and redundancy.

C-sUAS efforts are aligned to DoD Joint Requirements Oversight Council Memorandums (JROC-M) requirements for identification, development, testing, evaluation, and integration of technologies to defeat sUAS threats. C-sUAS efforts provide warfighters the ability to comprehensively detect, track, identify, and defeat enemy Group 1, 2 and 3 sUAS platforms. Finally, these efforts include joint development efforts, industry demonstrations, and system operational assessments that provide integrated solutions to meet the needs of the Military Services and DoD Agencies against emerging threats.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	64.242	59.983	45.407	-	45.407
Current President's Budget	54.854	79.983	45.281	-	45.281
Total Adjustments	-9.388	20.000	-0.126	-	-0.126
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-7.310	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	20.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.078	-			
• Adjustments to Budget Years	-	-	-0.126	-	-0.126

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

Project: CQ6: C-sUAS Joint Enabling Capabilities Development

Congressional Add: next generation counter-unmanned aerial system missile

FY 2024	FY 2025
-	20.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2024	FY 2025
Congressional Add Subtotals for Project: CQ6		-	20.000
Congressional Add Totals for all Projects		-	20.000
Change Summary Explanation FY25: \$20M Congressional Add to accelerate NGCM development. FY26: Change due to economic adjustments.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities 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
CQ5: C-sUAS Joint New Capabilities Development	-	41.684	38.790	24.118	-	24.118	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Counter-small Unmanned Aircraft Systems (C-sUAS) efforts will demonstrate and support prototype efforts with technologies and concepts to enable and/or accelerate their transition to acquisition programs. The efforts will address technical gaps between initial technologies or concept development and quickly transition to warfighter capabilities. Efforts will explore new concepts and their applications in potential future operating environments within a systems-of-systems context. These joint prototyping efforts will inform future requirements and support Military Services' acquisition strategy planning to address the evolving s-UAS threats and new environments to which C-sUAS systems must be deployed.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: C-sUAS Prototyping New Joint Capabilities									41.684	38.790	24.118	
Description: Prototyping detect, track, identify, and defeat capabilities, to include command and control technologies, to fill C-sUAS capability gaps. Prototypes will address operational requirements identified by JROCM 058-23 and prioritized critical capability gaps identified by DoD C-sUAS Executive Agent Governance.												
FY 2025 Plans: Continue the prototype development of joint capabilities to address capability gaps in threat sUAS detection, identification, tracking, and defeat, and enhance command and control systems. New efforts in development under Advanced Kinetic Defeat for the Next Generation C-sUAS Missile and Advanced Precision Kill Weapon System - Dual mode. Development and support under Collaborative Framework Environment, Command and Control Decision Aids [Command and Control Automation-Autonomy, and Human Machine Teaming, Family of Counter Unmanned Aircraft Systems (FoCUS) Machine Agent Evolution 2], and Joint Common Electronic Warfare (Joint Common Multi-mission Electronic Warfare, NinjaNet).												
FY 2026 Plans: Continue the prototype development of joint capabilities to address capability gaps in threat sUAS detection, identification, tracking, and defeat, and enhance command and control systems. Continue development, testing, and support for Collaborative Framework Environment, Command and Control Decision Aids [Family of Counter Unmanned Aircraft Systems (FoCUS) Machine Agent Evolution 2], and Joint Electronic Warfare (Joint Common Multi-mission Electronic Warfare, NinjaNet). Continue development of Advanced Kinetic Defeat - Advanced Precision Kill Weapon System Dual Mode project to increase warfighters' abilities to rapidly defeat Group 1-3 sUAS.												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ5 / <i>C-sUAS Joint New Capabilities Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 decrease reflects completion of C2 Automation-Autonomy and Human Machine Teaming as well as the technology maturation and transition of Advanced Kinetic Defeat - Next Generation C-sUAS Missile development from BA4 to BA5.			
Accomplishments/Planned Programs Subtotals		41.684	38.790
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The C-sUAS Joint New Capabilities Development will address gaps identified in Joint Requirements Oversight Council Memorandums (JROCMs) and be approved by the Department of Defense C-sUAS Executive Agent (EA) Governance. The C-sUAS EA Governance will approve prototyping efforts to meet identified gaps, and the joint capabilities development will be funded under this Program Element. The Joint Counter-sUAS Office will identify new technologies within industry and Government S&T organizations and leverage the flexibility of the Adaptive Acquisition Framework, Service Acquisition Policies, and all applicable and appropriate acquisition pathways to deliver prototypes for evaluation and future decisions. Prototypes may be deployed for additional combat evaluations and provide residual capabilities to the warfighter.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Collaborative Framework Environment	TBD	Military Services : Various	-	1.200		2.000		2.000		-		2.000	Continuing	Continuing	Continuing
Command and Control Decision Aids	TBD	Military Services : Various	-	6.000		4.200		1.000		-		1.000	Continuing	Continuing	Continuing
High Power Microwave (Solid State) Increment 2	TBD	Military Services : Various	-	9.250		-		-		-		-	0.000	9.250	-
Joint Common Electronic Warfare	TBD	Military Services : Various	-	5.500		7.500		7.500		-		7.500	Continuing	Continuing	Continuing
Low Collateral Effects Interceptor Development and Integration	TBD	Military Services : Various	-	2.000		-		-		-		-	0.000	2.000	-
NinjaNet	TBD	Military Services : Various	-	1.200		1.200		1.200		-		1.200	Continuing	Continuing	Continuing
Software Defined Radio Identification Enhancement	TBD	Military Services : Various	-	2.880		-		-		-		-	0.000	2.880	-
Advanced Kinetic Defeat	TBD	Military Services : Various	-	11.204		23.890		12.418		-		12.418	Continuing	Continuing	Continuing
HEL	TBD	Military Services : Various	-	2.450		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			-	41.684		38.790		24.118		-		24.118	Continuing	Continuing	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	41.684		38.790		24.118		-		24.118	Continuing	Continuing	N/A
Remarks															

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

Date: June 2025

Appropriation/Budget Activity
2040 / 4

R-1 Program Element (Number/Name)
PE 0604531A / Counter - Small Unmanned
Aircraft Systems Advanced Development

Project (Number/Name)
CQ5 / C-sUAS Joint New Capabilities
Development

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Collaborative Framework Environment Design Study																												
Collaborative Framework Environment Development																												
Collaborative Framework Environment Integration																												
Collaborative Framework Environment Test & Evaluation 1																												
Collaborative Framework Environment Test & Evaluation 2																												
Command and Control Decision Aids Prototyping																												
High Energy Laser 10kW P-HEL 2 OA																												
High Energy Laser 20kW P-HEL 3 OA																												
High Power Microwave Ground Increment 2 (Solid State) Pr...																												
High Power Microwave Ground Increment 2 (Solid State) Cr...																												
Joint Common Electronic Warfare Development																												
Joint Common Electronic Warfare Test & Evaluation																												
Joint Common Electronic Warfare Integration Testing																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development		Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Low Collateral Effects Interceptor Increment 2 Design an...																												
Low Collateral Effects Interceptor Increment 2 Test & Ev...																												
NinjaNet Prototype Development																												
NinjaNet Prototype Cyber Assessment																												
NinjaNet Prototype Operational Assessment																												
Software Defined Radio Identification Enhancement Develo...																												
Advanced Kinetic Defeat Preliminary Engineering Design																												
Advanced Kinetic Defeat Prototype System Development																												
Advanced Kinetic Defeat Advanced Precision Kill Weapon S...																												
Advanced Kinetic Defeat Advanced Precision Kill Weapon S...																												
Advanced Kinetic Defeat Generation 2 Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ5 / <i>C-sUAS Joint New Capabilities Development</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Collaborative Framework Environment Design Study	1	2024	2	2024
Collaborative Framework Environment Development	2	2024	2	2026
Collaborative Framework Environment Integration	1	2025	2	2026
Collaborative Framework Environment Test & Evaluation 1	2	2025	2	2025
Collaborative Framework Environment Test & Evaluation 2	1	2026	1	2026
Command and Control Decision Aids Prototyping	2	2022	2	2026
High Energy Laser 10kW P-HEL 2 OA	2	2024	2	2024
High Energy Laser 20kW P-HEL 3 OA	2	2024	2	2024
High Power Microwave Ground Increment 2 (Solid State) Prototype Development	1	2024	4	2025
High Power Microwave Ground Increment 2 (Solid State) Critical Design Review	4	2025	4	2025
Joint Common Electronic Warfare Development	4	2023	3	2024
Joint Common Electronic Warfare Test & Evaluation	4	2024	4	2024
Joint Common Electronic Warfare Integration Testing	1	2025	4	2026
Low Collateral Effects Interceptor Increment 2 Design and Development	1	2023	4	2024
Low Collateral Effects Interceptor Increment 2 Test & Evaluation	3	2024	4	2024
NinjaNet Prototype Development	1	2024	1	2025
NinjaNet Prototype Cyber Assessment	1	2025	1	2025
NinjaNet Prototype Operational Assessment	1	2025	1	2026
Software Defined Radio Identification Enhancement Development and Integration	3	2023	4	2024
Advanced Kinetic Defeat Preliminary Engineering Design	1	2025	4	2025
Advanced Kinetic Defeat Prototype System Development	1	2025	4	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development	Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development		
	Start		End	
Events	Quarter	Year	Quarter	Year
Advanced Kinetic Defeat Advanced Precision Kill Weapon System Dual-Mode Seeker Development	4	2025	3	2026
Advanced Kinetic Defeat Advanced Precision Kill Weapon System Dual-Mode Test	3	2026	2	2027
Advanced Kinetic Defeat Generation 2 Development	1	2029	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				Project (Number/Name) CQ6 / C-sUAS Joint Enabling Capabilities 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
CQ6: C-sUAS Joint Enabling Capabilities Development	-	13.170	41.193	21.163	-	21.163	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Counter-small Unmanned Aircraft Systems (C-sUAS) Joint Enabling Capabilities Development efforts will support the Joint C-sUAS Office in the development of materiel solutions to address joint capability gaps, support Military Service program management offices in conducting joint systems development, and minimize duplication and redundancy across the Services. These joint enabling efforts will inform future requirements and military services' acquisition decisions for C-sUAS materiel solutions to address evolving s-UAS threats and new operational environments where systems must be deployed.

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

	FY 2024	FY 2025	FY 2026
Title: Joint Assessments and Demonstrations	13.170	-	-
Description: Execute demonstrations and assessments of new C-sUAS technology to explore new concepts, new applications of existing systems, and new industry technologies. New concepts and technologies demonstrations will address future capability gaps and acquisition programs to maintain pace with evolving threats and employment environments.			
Title: Joint Prototype Assessments	-	15.058	14.832
Description: Execute operational assessments for C-sUAS prototypes developed by the military services, and industry solutions showcased at JCO demonstrations. Prototype operational assessments will occur in operationally relevant environments, such as Geographic Combatant Command Areas of Responsibility, and utilize threat representative targets. Prototype operational assessment results will be leveraged by the military services to inform future acquisition decisions.			
FY 2025 Plans: Continue the execution of prototype assessments of joint applicable C-sUAS technologies in relevant operational environment. Prototypes developed under joint investment will be assessed to determine performance effectiveness and efficiency against emerging threats identified by the JCO and the Executive Agent C-sUAS Governance process. Prototype assessments will inform and enable limited prototype procurements.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>		Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Continue the execution of prototype assessments of joint applicable C-sUAS technologies in relevant operational environments. The JCO will conduct operational assessments for the best performing systems from Demonstration 6. Operational assessments will inform military services' future acquisition investment and procurement decisions.					
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease in FY 2026 from FY 2025 due to economic assumption.					
Title: Joint C-sUAS Demonstrations Description: Execute demonstrations of industry C-sUAS solutions to explore new concepts, new applications of existing systems, and new industry technologies. New concepts and technology demonstrations will address future capability gaps and acquisition programs to maintain pace with evolving threats and employment environments. FY 2025 Plans: Continue the JCO's execution of demonstrations and tests of mature C-sUAS industry solutions. Industry demonstrations' focus topics will be informed by prioritized joint C-sUAS capability gaps. Demonstration events will enhance the ability to transition Industry-developed capabilities towards prototypes and/or system development for further assessments in relevant operational environment. FY 2026 Plans: Continue the JCO's planning, preparation, and execution of demonstrating and testing mature industry solutions that address joint capability gaps. Industry demonstrations' focus topics will be informed by prioritized joint C-sUAS capability gaps. C-sUAS demonstration events will accelerate and support the transition of industry-developed capabilities and prototypes for further system development and/or assessments in relevant operational environments. FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 from FY 2025 due to economic assumption.			-	6.135	6.331
Accomplishments/Planned Programs Subtotals			13.170	21.193	21.163
			FY 2024	FY 2025	
Congressional Add: next generation counter-unmanned aerial system missile			-	20.000	
FY 2025 Plans: \$20M provided via a Congressional Add to accelerate the prototype development of the Advanced Kinetic Defeat for the Next Generation C-sUAS Missile.					
Congressional Adds Subtotals			-	20.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy The C-sUAS Joint Enabling Capabilities Development efforts will be approved by the Department of Defense C-sUAS Executive Agent (EA) Governance. The C-sUAS EA Governance will approve efforts supporting future DoD decisions and identify gaps in current systems. The Joint Counter-sUAS Office will identify key efforts that support the mission and minimize redundancy among the Services. The Army Rapid Capabilities and Critical Technologies Office (RCCTO) has been identified to provide acquisition support to the JCO to address enabling capability needs. The JCO, with support from the Army RCCTO, will solicit industry solutions against the C-sUAS gaps and hold demonstrations at an identified C-sUAS common test range. Identified solutions from demonstrations can potentially transition and/or inform existing C-sUAS programs, create new programs for development under PE 0605531A / Counter - Small Unmanned Aircraft Systems Sys Dev & Demonstration, Project CQ7/ C-sUAS Joint New Capabilities, identify and create prototyping projects under PE 0604531A/ Counter - Small Unmanned Aircraft Systems Advanced Development, Project CQ5/C-sUAS Joint New Capabilities Development, or transition to Military Services Program Management Offices. The JCO, with support from the Army RCCTO, will acquire necessary equipment and evaluate new environmental conditions for the C-sUAS test ranges to ensure testing consistency and realistic conditions.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				Project (Number/Name) CQ6 / C-sUAS Joint Enabling Capabilities Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Kinetic Defeat	TBD	Military Services : Various	-	-		20.000		-		-		-	0.000	20.000	-
Subtotal			-	-		20.000		-		-		-	0.000	20.000	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Assessment and Demonstration	TBD	Military Services : Various	-	13.170		-		-		-		-	0.000	13.170	-
Joint Prototype Assessment	TBD	Military Services : Various	-	-		15.058		14.832		-		14.832	Continuing	Continuing	Continuing
Joint C-sUAS Demonstration	TBD	Military Services : Various	-	-		6.135		6.331		-		6.331	Continuing	Continuing	Continuing
Subtotal			-	13.170		21.193		21.163		-		21.163	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			-	13.170		41.193		21.163		-		21.163	Continuing	Continuing	N/A
Remarks															

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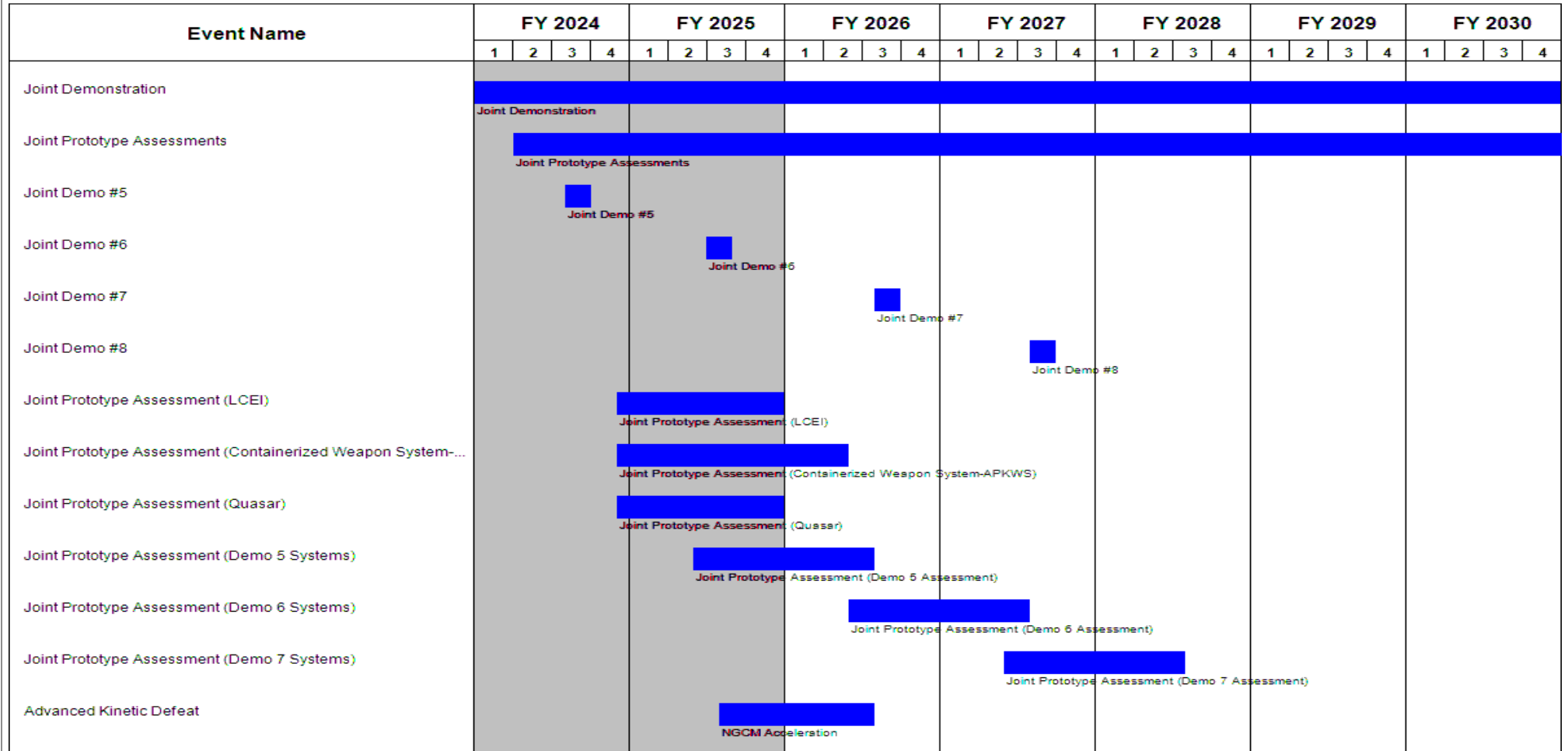
Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army

Date: June 2025

Appropriation/Budget Activity
2040 / 4

R-1 Program Element (Number/Name)
PE 0604531A / Counter - Small Unmanned
Aircraft Systems Advanced Development

Project (Number/Name)
CQ6 / C-sUAS Joint Enabling Capabilities
Development



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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Common Test Range	1	2022	4	2023
Joint Studies	1	2022	4	2023
Joint Demonstration	1	2022	4	2030
Joint Prototype Assessments	2	2024	1	2031
Joint Demo #3	3	2022	3	2022
Joint Demo #4	3	2023	3	2023
Joint Demo #5	3	2024	3	2024
Joint Demo #6	3	2025	3	2025
Joint Demo #7	3	2026	3	2026
Joint Demo #8	3	2027	3	2027
Joint Prototype Assessment (LCEI)	4	2024	4	2025
Joint Prototype Assessment (Containerized Weapon System-APKWS)	4	2024	2	2026
Joint Prototype Assessment (Quasar)	4	2024	4	2025
Joint Prototype Assessment (Demo 5 Systems)	2	2025	3	2026
Joint Prototype Assessment (Demo 6 Systems)	2	2026	3	2027
Joint Prototype Assessment (Demo 7 Systems)	2	2027	3	2028
Advanced Kinetic Defeat	3	2025	3	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	47.233	31.837	29.191	-	29.191	-	-	-	-	-	-
BT2: <i>Command Post Mobility/ Survivability</i>	-	5.763	5.010	3.841	-	3.841	-	-	-	-	-	-
BT3: <i>Common Operating Environment (COE)</i>	-	6.376	7.058	5.823	-	5.823	-	-	-	-	-	-
BT5: <i>Integrated Tactical Network/Enterprise Network</i>	-	35.094	19.769	19.527	-	19.527	-	-	-	-	-	-

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, Infrastructure, Applications, and Transport Layers.

The Program Executive Office Command, Control, Communications-Network (PEO C3N) is responsible for programming, managing and executing these projects and ensuring these funds are aligned to advanced component development activities supporting the Army's Network Modernization requirements. PEO C3N, in partnership with the Command and Control Cross-Functional Team (C2-CFT), prioritizes technology demonstrations, focused evaluations, and expert analyses to inform future requirements, mature technologies, and deliver new capabilities. Efforts funded from these projects will inform technology transitions, research and development, and user assessments, and then rapidly transition to appropriate Programs of Record or be established as a new program.

Unified Network Transport provides the ground domain network connectivity of Joint All Domain Command and Control (JADC2) and enables Unified Action Partner interoperability through integration with the Mission Partner Environment (MPE). Interoperability is the ability to routinely act together coherently, effectively and efficiently to achieve tactical, operational, and strategic objectives. Interoperability between disparate forces allows coalitions to produce greater combat power than the sum of their parts by leveraging relative strengths while mitigating relative weaknesses.

FY 2026 funds will support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including, but not limited to, resilient Line of Sight (LOS) and beyond Line of Sight (BLOS) communications, information management systems, cyber electromagnetic activities (CEMA) situational understanding and operations, intelligent and threat-informed networking, cloud technologies, virtual augmentation, artificial intelligence/ machine learning (AI/ML), and data convergence and analytics in the Common Operating Environment to achieve modernized Unified Network capabilities required for the Army's Command Control (C2) strategy for Infrastructure, Applications, and Transport. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport			
The FY 2026 request was reduced by \$2.553 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	40.915	31.837	31.831	-	31.831
Current President's Budget	47.233	31.837	29.191	-	29.191
Total Adjustments	6.318	0.000	-2.640	-	-2.640
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	7.872	-			
• SBIR/STTR Transfer	-1.491	-			
• Adjustments to Budget Years	-	-	-2.640	-	-2.640
• FFRDC Transfer	-0.063	-	-	-	-
Change Summary Explanation					
FY 2026 decrease from previous PB to current 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."					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
BT2: <i>Command Post Mobility/Survivability</i>	-	5.763	5.010	3.841	-	3.841	-	-	-	-	-	-
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, Infrastructure Layer.

This line supports advanced component development activities that are aligned to Command Post mobility/survivability efforts that may transition to sponsoring programs that get integrated in the Army's future Command Posts. The technical maturation and evaluation allow for Command Post disaggregation capabilities to inform future designs and support Command Post survivability against near peer competitors.

FY 2026 funds will be used to mature, prototype, and evaluate emerging technologies that will inform design choices for the Army's Command Post infrastructure. Funds also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including, but not limited to, a desired end state of resilient communications, adaptable computing and infrastructure, electromagnetic signature management, electromagnetic signature awareness, and distributed collaboration to support Joint and Coalition Interoperability requirements in addition to Multi-Domain Operations (MDO) in Denied, Disconnected, Intermittent, and Limited (DDIL) network conditions. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

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

	FY 2024	FY 2025	FY 2026
Title: BT2 Command Post Mobility and Survivability	5.532	4.710	3.613
Description: This funding is used to identify and acquire technologies for evaluation that address gaps associated with the Command Post (CP) in the overall Integrated Tactical Network. The project will focus on developing and obtaining approval of requirements for integrated command posts, then delivering these integrated command post designs to Army units. The project also addresses the operational requirement of Deployable, Integrated, and Mobile Command Post and integrates Knowledge Management.			
FY 2025 Plans: Funds will be used to mature, prototype, and evaluate emerging technologies relating to mobile and survivable Command Posts in a contested and congested environment. Effort includes maturing adaptable computing infrastructure to provide high throughput, resilient communications such as the work in Protected Communications for Manned/Unmanned Teams. Effort also includes developing and integrating technologies, material solutions and tactics into a holistic system that will prevent detection of high value assets (such as command posts) from enemy ISR systems through concealment and strategic initiatives solutions.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>		Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Additionally, effort plans include creating signature awareness, integrated power, reducing total electromagnetic signature, creating the means to disperse CP nodes and retaining effective Commander-Staff collaboration against near peer competition. These efforts will be demonstrated and evaluated with FORSCOM and inform the program technical baseline and doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF). Innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums will lead to the assessment, demonstration, prototyping and integration of emerging industry solutions. Requirements for Command Post Mobility and Survivability will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040.</p> <p>FY 2026 Plans: Funds will be used to mature, prototype, and evaluate emerging technologies relating to mobile and survivable Command Posts in a contested and congested environment. Effort includes maturing adaptable computing infrastructure to provide high throughput, resilient communications. Effort also includes developing and integrating technologies, material solutions and tactics into a holistic system that will prevent detection of high value assets (such as command posts) from enemy ISR systems through concealment and strategic initiatives solutions. Additionally, plans include creating signature awareness, reducing total electromagnetic signature, creating the means to disperse CP nodes and retaining effective Commander-Staff collaboration against near peer competition. These efforts will be demonstrated and evaluated with FORSCOM and inform the program technical baseline and doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF). Innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums (e.g. operational engagements) will lead to the assessment, demonstration, prototyping and integration of emerging industry solutions. Requirements for Command Post Mobility and Survivability will align with prioritization of science & technology and industry innovation efforts in support of the Army's Command Control (C2) Infrastructure strategy.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to fewer overall requirements aligned to advanced component development and prototyping.</p>					
<p>Title: Program Management</p> <p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2025 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2026 Plans:</p>			0.231	0.300	0.228

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT2 / <i>Command Post Mobility/Survivability</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 decrease in overall requirements aligned to advanced component development and prototyping drives corresponding decrease in program support requirements.			
Accomplishments/Planned Programs Subtotals		5.763	5.010
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
N/A			
D. Acquisition Strategy			
Program Executive Office Command, Control, Communications-Network (PEO C3N), in partnership with the Command and Control Cross-Functional Team (C2-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army													Date: June 2025		
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport				Project (Number/Name) BT2 / Command Post Mobility/Survivability					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Office Support	C/Various	BAH / ACC : APG, MD	1.010	0.182	Jan 2024	0.300	Dec 2024	0.228	Dec 2025	-		0.228	0.000	1.720	-
Industry Innovation Communications Gateway	C/CPFF	NIWC-LANT / SRC : North Charleston, SC	-	0.049		-		-		-		-	0.000	0.049	-
Subtotal			1.010	0.231		0.300		0.228		-		0.228	0.000	1.769	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
S&T Maturation - Lower Echelon Analytics Platform-Tactical (LTAC)	C/CPFF	DEVCOM Armaments Center / Parsons Government Services : Picatinny, NJ / Centreville, VA	2.816	3.585	Jan 2024	-		-		-		-	0.000	6.401	-
S&T Maturation Prototyping & Evaluation	C/Various	DEVCOM C5ISR / PEO C3N : APG, MD	15.913	-		2.240	Dec 2024	1.613	Dec 2025	-		1.613	0.000	19.766	-
Industry Innovation - Metadata Tagging	C/CPFF	BAH : McLean, VA	1.947	1.947	Jun 2024	-		-		-		-	0.000	3.894	-
Industry Innovation Prototyping & Evaluation	C/Various	Various : Various	5.228	-		2.470	Feb 2025	2.000	Feb 2026	-		2.000	0.000	9.698	-
Subtotal			25.904	5.532		4.710		3.613		-		3.613	0.000	39.759	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			26.914	5.763		5.010		3.841		-		3.841	0.000	41.528	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport		Project (Number/Name) BT2 / Command Post Mobility/Survivability	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Lower Echelon Analytics Platform Tactical (LTAC) Integration																												
Distributed Command and Control																												
Signature Awareness																												
Directional Antennas																												
Distributed Collaboration																												
Command and Control (C2) Infrastructure Efforts																												
Industry Innovation Prototyping & Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport	Project (Number/Name) BT2 / Command Post Mobility/Survivability	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Survivable Command Post	2	2020	4	2022
Spectrum Obfuscation	2	2020	4	2022
Lower Echelon Analytics Platform Tactical (LTAC) Integration	2	2023	1	2025
Distributed Command and Control	1	2025	4	2026
Signature Awareness	1	2025	4	2026
Directional Antennas	1	2026	4	2027
Distributed Collaboration	1	2026	4	2027
Command and Control (C2) Infrastructure Efforts	1	2027	4	2030
Industry Innovation Prototyping & Evaluation	4	2020	4	2030

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Network (PEO C3N) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Records.

Changes from PB25 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3N tracks changes to the S&T efforts, including but not limited to, titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3N utilizes this information to prioritize the S&T projects by fiscal year.
- The multiple sub-efforts comprising Mobile and Survivable Command Posts (MASCP) are broken out below to provide greater clarity:
- Distributed Command Control is identified as a 6.4 RDTE effort in FY 2025 extending through FY 2026.
- Signature Awareness is identified as a 6.4 RDTE effort in FY 2025 extending through FY 2026.
- Directional Antennas is identified as a 6.4 RDTE effort in FY 2026 extending through FY 2027.
- Distributed Collaboration is identified as a 6.4 RDTE effort in FY 2026 extending through FY 2027.
- Command & Control (C2) Infrastructure Efforts is identified as a 6.4 RDTE effort commencing in FY 2026.
- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2030 to reflect the continuous nature of industry engagements.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport				Project (Number/Name) BT3 / Common Operating Environment (COE)			
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
BT3: Common Operating Environment (COE)	-	6.376	7.058	5.823	-	5.823	-	-	-	-	-	-
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, Applications Layer.

This line supports advanced component development activities that will inform a modernized network by evaluating and maturing the use of cloud technologies, virtual augmentation, artificial intelligence, data convergence and analytics in the Common Operating Environment (COE). This includes processing and storage to improve the architecture support for mobile, secure and distributed operations. COE creates an approved set of standards, computing technologies, integrated data and databases, common graphics, and a unified set of mission command applications. It allows warfighters to adapt and configure the network as conditions change - which is outlined in the approved COE requirements documents.

FY 2026 funds will be used to mature technologies to assess and evaluate the technical feasibility of solutions for enhanced planning and execution capabilities that enable better and rapid decision making at the speed of relevance. Funds will also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including, but not limited to, data discovery, synchronization, security, and analysis across multiple data silos and disparate data platforms to efficiently create a common and integrated data layer to support Joint and Coalition Interoperability requirements. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed.

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

	FY 2024	FY 2025	FY 2026
Title: BT3 Common Operating Environment	6.036	6.660	5.500
Description: This funding is used to identify and acquire technologies to address gaps associated with the Common Operating Environment (COE), in the overall Integrated Network. This project creates an approved set of standards, computing technologies, integrated data and databases and common graphics and a unified set of mission command applications. It will also support collaboration using a common picture with joint and coalition mission partners. This project also delivers an integrated body of requirements that meet operational needs.			
FY 2025 Plans: Funds will be used to continue efforts to mature technologies that capture, correlate, present data and enable rapid decision making at the speed of relevance using Artificial Intelligence/Machine Learning (AI/ML) and Automated Data Processing capabilities. Funds will also be used to evaluate the technical feasibility of solutions for data convergence, data fabric, sensor integration across identified platforms, adaptable computing hardware/software, enhanced military decision making processes			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>		Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>(MDMP), and applications security to enhance the Common Operating Picture (COP) through the Command Post Computing Environment (CPCE). Funds will also be used for innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums that will lead to potential solutions to assess, demonstrate, prototype, and integrate emerging industry solutions to mature Common Operating Environment capabilities. Requirements for Common Operating Environment will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040.</p> <p>FY 2026 Plans: Funds will be used to continue efforts to mature technologies that capture, correlate, present data and enable better and rapid decision making at the speed of relevance using Artificial Intelligence/Machine Learning (AI/ML) and Automated Data Processing capabilities. Funds will also be used to evaluate the technical feasibility of solutions for data convergence, data fabric, sensor integration across identified platforms, adaptable computing hardware/software, enhanced military decision making processes (MDMP), applications security, and access control to enhance the user experience via the Common Operational Picture (COP). Funds will also be used for innovative industry prototyping and evaluation associated with Technical Exchange Meetings (TEM) and other forums (e.g. operational engagements) that will lead to potential solutions to assess, demonstrate, prototype, and integrate emerging industry solutions to mature Common Operating Environment capabilities. Requirements for Common Operating Environment will align with prioritization of science & technology and industry innovation efforts in support of the Army's Command Control (C2) Applications strategy.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to fewer overall requirements aligned to advanced component development and prototyping.</p>					
<p>Title: Program Management</p> <p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2025 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2026 Plans: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			0.340	0.398	0.323

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2026 decrease in overall requirements aligned to advanced component development and prototyping drives corresponding decrease in program support requirements.			
Accomplishments/Planned Programs Subtotals		6.376	7.058
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
N/A			
D. Acquisition Strategy			
<p>Program Executive Office Command, Control, Communications-Network (PEO C3N), in partnership with the Command and Control Cross-Functional Team (C2-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.</p>			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Office Support	C/Various	BAH / ACC : APG, MD	0.973	0.150	Mar 2024	0.398	Dec 2024	0.323	Dec 2025	-		0.323	0.000	1.844	-
Industry Innovation Communications Gateway	C/CPFF	NIWC-LANT / SRC : North Charleston, SC	-	0.190	Jun 2024	-		-		-		-	0.000	0.190	-
Subtotal			0.973	0.340		0.398		0.323		-		0.323	0.000	2.034	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
S&T Maturation - Geospatially Enabled Operational Design	C/CPFF	ERDC / Battelle : Alexandria, VA / Columbus, OH	2.500	0.977	Jan 2024	-		-		-		-	0.000	3.477	-
S&T Maturation - Modular RF	C/Various	DEVCOM AvMC / SAIC / Vitruvian Labs : Huntsville, AL / Aberdeen, MD	8.883	2.000	Dec 2023	-		-		-		-	0.000	10.883	-
S&T Maturation - Proteus	C/CPAF	DEVCOM C5ISR / Parsons : APG, MD / Centreville, MD	-	1.830	Jun 2024	-		-		-		-	0.000	1.830	-
Science & Technology Maturation Prototyping & Evaluation	C/Various	DEVCOM C5ISR, PEO C3N : APG, MD	8.286	-		3.900	Dec 2024	3.250	Dec 2025	-		3.250	0.000	15.436	-
Industry Innovation - Secure Remote Connections	C/FFP	Zscaler : McLean, VA	-	0.201	Apr 2024	-		-		-		-	0.000	0.201	-
Industry Innovation - Project Convergence - Advanced Command & Control	C/FFP	Anduril Industries : Costa Mesa, CA	-	1.028	Feb 2024	-		-		-		-	0.000	1.028	-
Industry Innovation Prototyping & Evaluation	C/Various	Various : Various	8.135	-		2.760	Feb 2025	2.250	Feb 2026	-		2.250	0.000	13.145	-
Subtotal			27.804	6.036		6.660		5.500		-		5.500	0.000	46.000	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army											Date: June 2025			
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport					Project (Number/Name) BT3 / Common Operating Environment (COE)				
		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		28.777	6.376		7.058		5.823		-		5.823	0.000	48.034	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport		Project (Number/Name) BT3 / Common Operating Environment (COE)	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Modular RF																												
Geospatially Enabled Operational Design (GEOD)																												
Roadrunner																												
Project Convergence - Advanced Command and Control (C2)																												
Proteus																												
Operational Predictive Analysis Prototype (OPAP)																												
Dynamic Access Control -- Tactical																												
Maestro																												
Tactical Zero Trust																												
Industry Innovation Prototyping & Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Cyber Situational Understanding	2	2020	1	2022
Spectrum Awareness	2	2020	2	2021
Hardened Transport	4	2020	1	2021
Rainmaker	3	2022	2	2023
Modular RF	4	2021	4	2024
Geospatially Enabled Operational Design (GEOD)	1	2023	4	2026
Roadrunner	2	2023	1	2024
Project Convergence - Advanced Command and Control (C2)	2	2024	3	2024
Proteus	4	2024	2	2025
Operational Predictive Analysis Prototype (OPAP)	2	2025	2	2026
Dynamic Access Control -- Tactical	1	2026	4	2027
Maestro	1	2028	4	2029
Tactical Zero Trust	1	2028	4	2031
Industry Innovation Prototyping & Evaluation	4	2020	4	2030

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Network (PEO C3N) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Record.

Changes from PB25 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3N tracks changes to the S&T efforts, including but not limited to - titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3N utilizes this information to prioritize the S&T projects by fiscal year.
- Echelons Above Brigade Operations Fires (EOF) is removed from the 6.4 RDTE schedule for Unified Network Transport.

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT3 / <i>Common Operating Environment (COE)</i>
<div>- Project Convergence - Advanced Command and Control (C2) was identified as a 6.4 RDTE effort in FY 2024.</div> <div>- Proteus is identified as a 6.4 RDTE effort for FY 2025.</div> <div>- Operational Predictive Analysis Prototype (OPAP) is identified as a 6.4 RDTE effort commencing in FY 2025.</div> <div>- Tactical Zero Trust is now projected to commence in FY 2028.</div> <div>- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2030 to reflect the continuous nature of industry engagements.</div>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport				Project (Number/Name) BT5 / Integrated Tactical Network/Enterprise Network			
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
BT5: Integrated Tactical Network/Enterprise Network	-	35.094	19.769	19.527	-	19.527	-	-	-	-	-	-
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.

This line supports advanced component development activities that enable a converged Mission Command Network that operates seamlessly worldwide and in any environment. It includes the development of a standards-based network architecture that unifies enterprise and deployed network capabilities, and features a unified transport layer, network operations and other enabling functions that allows integration of disparate networks. The Army network will provide resiliency through path diversity and dynamic routing to ensure tactical units can communicate in hostile environments. It will provide multiple ways to communicate and give commanders the ability to have a network that delivers the right information and data at the right time during operations. It fully incorporates cyber and electronic warfare capabilities that support the employment of the network as a weapon system.

FY 2026 funding will be used to inform design decisions for Army network modernization in the areas of resilient wideband satellite communications capabilities, non-traditional waveforms, narrowband waveforms, and implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications through evaluation and technical maturation. Funds also support identification, maturation, demonstration, and evaluation of Technology Readiness Level (TRL) 6+ systems and subsystem components including, but not limited to, resilient, alternate Beyond Line of Sight (BLOS) capability in support of legacy high frequency waveforms. Funds also support development of Cyber Electromagnetic Activities (CEMA) situational understanding, development of an intelligent and threat-informed network and operational integration and interoperability functions. Additionally, funds support development of a modular open standards systems compliant architecture. Successful solutions identified through evaluation in a high fidelity and realistic operating environment will be transitioned to Programs of Record for integration and fielding. Funds will also support integration with solutions identified in other Army network priorities to ensure network dependencies are addressed. Funds will support highly scalable and robust waveforms with simplified network management for operations in congested or contested environments.

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

	FY 2024	FY 2025	FY 2026
Title: Project BT5: Integrated Tactical Network/Integrated Enterprise Network	34.769	18.653	18.425
Description: This funding is used to identify and acquire technologies to address gaps associated with the Unified Network for evaluation and demonstration in the overall Integrated Network. The Unified Network enables a converged Mission Command Network that operates seamlessly worldwide and in any environment. This will require the creation of a standards-based network architecture that effectively integrates enterprise and deployed network capabilities across domains and environments and features a unified transport layer that permits "plug and play" for specific network capabilities. This project addresses the following			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
operational requirements: Converged Mission Command Network, Network Augmentation / Extension, and Synthetic Training Environment.			
FY 2025 Plans: Funds will be used to continue science and technology evaluation and prototyping solutions to support approved requirements documents and critical network modernization efforts to accelerate/integrate Next Generation Tactical radios, automated cyber defense tools, non-traditional waveforms, narrowband waveforms, and Line of Sight (LOS) and Beyond Line of Sight (BLOS) communications. Funding will allow the Army to identify and prototype solutions to mature the implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications, network transport and gateway components of the Mission Partner Environment (MPE) and share network operations information through warfighting assessments and evaluations that will inform future capabilities. Funds will also be used for advanced component development and for innovative industry prototyping and evaluation efforts associated with Technical Exchange Meetings (TEM) and other forums to assess, demonstrate, prototype, and integrate emerging industry solutions to mature unified network capabilities to include, but not limited to, development of an open standards systems architecture. Requirements for Integrated Tactical Network/Integrated Enterprise Network will align with prioritization of science & technology and industry innovation efforts in support of the Army's modernized network of 2030/2040			
FY 2026 Plans: Funds will be used to continue science and technology evaluation and prototyping solutions to support approved requirements documents and critical network modernization efforts to accelerate/integrate Next Generation Tactical radios, automated cyber defense tools, a modern security architecture, non-traditional waveforms, narrowband waveforms, and Line of Sight (LOS) and Beyond Line of Sight (BLOS) communications . Funding will allow the Army to identify and prototype solutions to mature the implementation of Automated Primary Alternate Contingency and Emergency (PACE) communications, network transport and gateway components of the Mission Partner Environment (MPE) and share network operations information through warfighting assessments and evaluations that will inform future capabilities. Funds will also be used for advanced component development and for innovative industry prototyping and evaluation efforts associated with Technical Exchange Meetings (TEM) and other forums (e.g. operational engagements) to assess, demonstrate, prototype, and integrate emerging industry solutions to mature unified network capabilities to include, but not limited to, development of an open standards systems architecture. Requirements for Integrated Tactical Network/Integrated Enterprise Network will align with prioritization of science & technology and industry innovation efforts in support of the Army's Command Control (C2) Transport strategy.			
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to fewer overall requirements aligned to advanced component development and prototyping.			
Title: Program Management		0.325	1.116
			1.102

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025	
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>	Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: Program management includes overall management of program execution, major events, reporting, funding execution, and contract management, as well as participation in program planning and Integrated Product Team meetings with key stakeholders.</p> <p>FY 2025 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2026 Plans: Funds will be used to provide overall management in support of Unified Network Transport efforts, including contractor personnel and contract management support via Army Contracting Command.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease in overall requirements aligned to advanced component development and prototyping drives corresponding decrease in program support requirements.</p>			
Accomplishments/Planned Programs Subtotals		35.094	19.769
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
N/A			
D. Acquisition Strategy			
<p>Program Executive Office Command, Control, Communications-Network (PEO C3N), in partnership with the Command and Control Cross-Functional Team (C2-CFT), will align with Army network modernization priorities for technologies to be evaluated with appropriate Program Management (PM) offices where there is an opportunity for technology insertion. Technologies that are determined to address technology gaps and require further evaluation will be documented in a Product Plan that authorizes a plan of execution for each capability being pursued. The various prototyping technologies will be pursued via competitively awarded contracts using best value source selection procedures. Identified Technology Readiness Level (TRL) 6 technologies will be matured, demonstrated, tested, and evaluated in realistic environments to achieve TRL 7. Selected technologies will be integrated into existing Programs of Record. A Transition Agreement (TA) is completed between the receiving PEO and the Science and Technology (S&T) community no later than halfway between the project start date and the project's first anticipated transition of any product(s) to a PEO/PM.</p>			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Office Support	C/Various	BAH / ACC : APG, MD	1.877	0.072	Feb 2024	1.116	Dec 2024	1.102	Dec 2025	-		1.102	0.000	4.167	-
Industry Innovation Communications Gateway	C/CPFF	NIWC-LANT / SRC : North Charleston, SC	-	0.253	Jun 2024	-		-		-		-	0.000	0.253	-
Subtotal			1.877	0.325		1.116		1.102		-		1.102	0.000	4.420	N/A
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
S&T Maturation - Information Repository Intelligent System (IRIS)	C/Various	DEVCOM C5ISR / BAH : APG, MD	-	2.130	Apr 2024	-		-		-		-	0.000	2.130	-
S&T Maturation - Non-Traditional Waveforms - Millimeter Wave	C/Various	DEVCOM C5ISR / First RF Corp / BAH : APG, MD / Boulder, CO	-	4.007	Dec 2023	-		-		-		-	0.000	4.007	-
S&T Maturation - End Crypto Unit Feasibility	C/Various	DEVCOM C5ISR : APG, MD	-	0.078	Nov 2024	-		-		-		-	0.000	0.078	-
S&T Maturation - CMOSS Mounted Form Factor	C/Various	DEVCOM C5ISR / BAH / CACI : APG, MD	1.543	4.394	Nov 2023	-		-		-		-	0.000	5.937	-
S&T Maturation - Next Generation High Frequency	C/Various	DEVCOM C5ISR / MIT-LL / L3Harris : APG, MD / Lexington, MA / Palm Bay, FL	10.196	2.500	Mar 2024	-		-		-		-	0.000	12.696	-
Science & Technology (S&T) Maturation Prototyping & Evaluation	C/Various	DEVCOM C5ISR / PEO C3N : APG, MD	34.093	-		13.483	Dec 2024	13.325	Dec 2025	-		13.325	0.000	60.901	-
Industry Innovation - C5ISR Modular Open	C/Various	Trellisware / Spectranetix / GDMS / NGC :	7.437	0.950	Sep 2024	-		-		-		-	0.000	8.387	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>				Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Suite of Standards (CMOSS)		San Diego, CA / Sunnyvale, CA / Scottsdale, AZ													
Industry Innovation - CMOSS Mounted Form Factor Chassis Software	C/CPFF	GDMS : Bloomington, MN	2.687	3.073	Jun 2024	-		-		-		-	0.000	5.760	-
Industry Innovation - Next Generation Blue Force Tracker CMOSS	C/CPFF	GDMS : Scottsdale, AZ	2.591	2.370	Jun 2024	-		-		-		-	0.000	4.961	-
Industry Innovation - CMFF Tactical Radio Capabilities	C/Various	Rockwell Collins : Cedar Rapids, IA	-	2.942	Apr 2024	-		-		-		-	0.000	2.942	-
Industry Innovation - Gateway Automation	C/FFP	Palo Alto Networks : Reston, VA	-	1.981	May 2024	-		-		-		-	0.000	1.981	-
Industry Innovation - Project Convergence - Advanced Command & Control	C/FFP	Anduril Industries : Costa Mesa, CA	-	2.472	Feb 2024	-		-		-		-	0.000	2.472	-
Industry Innovation - Next Generation Command & Control	C/Various	Deloitte : Arlington, VA	-	7.872	Sep 2024	-		-		-		-	0.000	7.872	-
Industry Innovation Prototyping & Evaluation	C/Various	Various : Various	14.303	-		5.170	Feb 2025	5.100	Feb 2026	-		5.100	0.000	24.573	-
Subtotal			72.850	34.769		18.653		18.425		-		18.425	0.000	144.697	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			74.727	35.094		19.769		19.527		-		19.527	0.000	149.117	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport		Project (Number/Name) BT5 / Integrated Tactical Network/Enterprise Network	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CMOSS Mounted Form Factor (CMFF)																												
Next Generation High Frequency (NGHF)																												
Information Repository Intelligent System (IRIS)																												
Project Convergence - Advanced Command and Control (C2)																												
Non-traditional Waveforms (NTW) Millimeter Wave (mmW)																												
Next Generation Command & Control (NGC2)																												
Information Trust																												
Adaptive Versatile Enclave																												
Robust & Resilient Transport																												
Next Generation Tactical Terminal																												
PKI Modernization																												
Multi-Orbit Modem																												
Predictive Intelligent Networking (PIN)																												

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

Date: June 2025

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2040 / 4

[illegible]

PE 0604541A / Unified Network Transport

Project (Number/Name)	Start Date	End Date	Duration (Days)	Progress (%)	Status	Owner	Team Lead	Team Members	Notes
101	2023-01-01	2023-01-15	14	100	Completed	John Doe	Jane Smith	Mike Johnson, Sarah Lee	Project completed ahead of schedule.
102	2023-01-15	2023-02-01	16	75	In Progress	Jane Smith	John Doe	David Brown, Emily White	Minor delays due to resource allocation.
103	2023-02-01	2023-02-15	14	50	In Progress	John Doe	Jane Smith	Mike Johnson, Sarah Lee	On track for completion.
104	2023-02-15	2023-03-01	15	25	On Hold	Jane Smith	John Doe	David Brown, Emily White	Project paused due to budget review.
105	2023-03-01	2023-03-15	14	0	Planned	John Doe	Jane Smith	Mike Johnson, Sarah Lee	Project start date confirmed.

BT5 / Integrated Tactical Network/Enterprise Network

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604541A / Unified Network Transport	Project (Number/Name) BT5 / Integrated Tactical Network/Enterprise Network	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Application Security with Containers (AppSec-C)	2	2020	2	2021
Integrated Network Operations Battalion and Below (INB2)	2	2020	2	2022
Tactical Scalable Mobile Ad-hoc Networking (MANET) Interference Cancellation	4	2020	2	2021
Tactical IdAM -- Soldier Authentication	2	2020	4	2021
C5ISR/EW Modular Open Suite of Standards (CMOSS)	4	2020	1	2021
Resilient Wideband SATCOM - Interference Cancellation	3	2021	3	2022
Protected Comms for Manned-unmanned teaming (MUM-T)	1	2021	1	2023
Secured Handheld on Assured Resilient Networks at the Tactical Edge (SHARE)	2	2022	2	2023
Aerial Tier Networking	2	2022	4	2023
CMOSS Mounted Form Factor (CMFF)	2	2021	4	2024
Next Generation High Frequency (NGHF)	1	2023	4	2024
Information Repository Intelligent System (IRIS)	1	2024	4	2024
Project Convergence - Advanced Command and Control (C2)	2	2024	3	2024
Non-traditional Waveforms (NTW) Millimeter Wave (mmW)	1	2024	4	2025
Next Generation Command & Control (NGC2)	4	2024	4	2026
Information Trust	1	2025	4	2025
Adaptive Versatile Enclave	1	2025	4	2025
Robust & Resilient Transport	1	2025	4	2025
Next Generation Tactical Terminal	1	2025	4	2027
PKI Modernization	1	2026	4	2027
Multi-Orbit Modem	1	2026	4	2028
Predictive Intelligent Networking (PIN)	1	2027	4	2029

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025	
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0604541A / <i>Unified Network Transport</i>		Project (Number/Name) BT5 / <i>Integrated Tactical Network/Enterprise Network</i>

Events	Start		End	
	Quarter	Year	Quarter	Year
Tactical Hardening for Quantum	1	2028	4	2029
Extremely High Bandwidth Communications	1	2030	4	2030
Industry Innovation Prototyping & Evaluation	4	2020	4	2030

Note

Industry Innovation Prototyping and Evaluation projects are awarded following Technical Exchange Meetings (TEM) and are continuous activities; Program Executive Office Command, Control, Communications-Network (PEO C3N) will engage industry partners in order to assess and demonstrate the latest emerging technologies which will reduce capability gaps and provide rapid software/hardware insertions into Programs of Record.

Changes from PB25 Schedule:

- Science and Technology (S&T) projects are evaluated based on ongoing forums with the S&T community. PEO C3N tracks changes to the S&T efforts, including but not limited to - titles, descriptions, Technology Readiness Level (TRL), planned program transition and transfer agreement status. PEO C3N utilizes this information to prioritize the S&T projects by fiscal year.
- Information Trust is projected to conclude in FY 2025.
- Autonomous Cyber is removed from the 6.4 RDTE schedule for Unified Network Transport.
- Resilient Wideband SATCOM - On-the-Move and At-the-Halt - is now known as Next Generation Tactical Terminal and planned through FY 2027.
- Project Convergence - Advanced Command and Control (C2) is identified as a 6.4 RDTE effort in FY 2024.
- Adaptive Versatile Enclave is identified as a 6.4 RDTE effort in FY 2025.
- Robust and Resilient Transport is identified as a 6.4 RDTE effort in FY 2025.
- Next Generation Command & Control (NGC2) is identified as a 6.4 RDTE effort commencing in FY 2025.
- Tactical Hardening for Quantum is now expected to commence in FY 2028
- Extremely High Bandwidth Communications is identified as a 6.4 RDTE effort in FY 2030.
- The schedule for Industry Innovation Prototyping & Evaluation extends through FY 2030 to reflect the continuous nature of industry engagements

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army	Date: June 2025
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	-	0.074	2.270	5.605	-	5.605	-	-	-	-	-	-
DD3: Joint Cyber Warfighting Architecture Cyber Train	-	0.074	-	-	-	-	-	-	-	-	-	-
FA8: Cyberspace Operations Forces and Force Support	-	-	2.270	5.605	-	5.605	-	-	-	-	-	-

Note
In FY 2026, Project FA8 / Cyberspace Operations Forces and Force Support is a New Start.

A. Mission Description and Budget Item Justification

U.S. Army Cyber Command (ARCYBER) is the supporting Army Headquarters under United States Cyber Command to operate and defend Army networks and deliver cyberspace effects against adversaries to defend the nation. ARCYBER pursues research and development of cyber-peculiar capabilities across ARCYBER's lines of effort in coordination with other cyber acquisition and research entities to satisfy ARCYBER's time-sensitive operational requirements.

Previously this PE supported pilot and prototype capabilities to enter into Cooperative Research and Development Agreements (CRADAs) and Educational Partnership Agreements (EPAs) to provide rapid solutions to cyber via Technology Transfer (T2) mechanism. T2 enables ARCYBER to "SPIN OUT" its research and development advancements to industry and "SPIN IN" the best solutions from the private sector for the purpose of transitioning new capabilities to our warfighter. Will also have the authority for "Dual use" technologies that have both military and commercial markets to be transferred and transitioned. ARCYBER Technology and Innovation Center (ArCTIC) T2 fosters an environment where numerous promising approaches and solutions are able to be assessed in parallel to influence future capabilities. T2 provides ARCYBER the ability to influence future programs of record by prototyping solutions and assessing them against real-world environments to determine operational impact if transitioned and scaled. T2 activities will extend and promote this culture across all Army and partner scientific research and prototype endeavors. The ArCTIC capability and research areas are narrow enough to ensure that ArCTIC is remaining true to its core competencies, and broad enough so that the lab can accelerate development efforts across various technology readiness levels (TRLs) and capability categories.

In FY 2026, this PE will provide the Army Service Component Commands (ASCCs) with persistent capability to execute operations which emphasize effects in the information dimension of the operational environment focused in five areas: (1) Enable decision-making; (2) Protect friendly information; (3) Educate and inform domestic audiences; (4) Inform and influence foreign audiences; (5) Conduct Information Warfare. This effort will field initial capabilities to the ASCCs in support of theater and transregional Information Advantage mission sets to fund Information Advantage capabilities. The capabilities support Army 2030 by enabling three Information Advantage Detachments, (USARPAC; USAREUR-AF; ARCYBER) to conduct Information Advantage Activities during competition, crisis, and conflict.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Army				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0305251A I Cyberspace Operations Forces and Force Support			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	2.270	2.142	-	2.142
Current President's Budget	0.074	2.270	5.605	-	5.605
Total Adjustments	0.074	0.000	3.463	-	3.463
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.074	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	3.463	-	3.463
Change Summary Explanation					
Funding increase in FY2026 from the previous PB to the current PB reflects increased requirements within the Army's Operations Portfolio to fund essential information advantage capabilities to the ASCCs and initiate efforts for Theater Information Advantage Detachments.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support				Project (Number/Name) DD3 / Joint Cyber Warfighting Architecture Cyber Train			
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
DD3: Joint Cyber Warfighting Architecture Cyber Train	-	0.074	-	-	-	-	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
<p>Persistent Cyber Training Environment (PCTE) supports the United States Cyber Command (USCC) by enabling the critical need for the DoD Cyber Mission Force (CMF) to train at the individual, team, and force level. PCTE provides the DoD CMF with a standardized training capability that maximizes shared content across the Services to include emulated network environments and has the ability to connect to other range environments and cyber training assets. The PCTE platform is aligned to the outputs of the Office of the Under Secretary of Defense for Acquisition & Sustainment OUSD (A&S) and Chairman of the Joint Chiefs of Staff (CJCS) J6 led, "Cyber Range Evaluation of Alternatives (EOA) Findings and Issue Paper Deliberations," dated 17 November 2015. The Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI) was designated as the DoD Acquisition Lead for the PCTE and the program is directed by the 2016 National Defense Authorization Act, Section 1645. With the Joint Requirements Oversight Council (JROC) validation of the Information System - Capability Development Document (ISCDD) on 4 November 2019, the PCTE program quickly achieved Milestone B on 6 December 2019. Through ongoing rapid prototyping efforts, the PCTE platform has fulfilled the critical need for a CMF standardized training capability upon release of PCTE Version 2 in Fourth Quarter Fiscal Year 2020, and continues to do so with ongoing version releases.</p>												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Title: Program Management Oversight										0.074	-	-
Description: Residual balance of funds was applied to program management oversight functions in FY24.												
Accomplishments/Planned Programs Subtotals										0.074	-	-
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												
D. Acquisition Strategy												
<p>The Persistent Cyber Training Environment (PCTE) program employs an incremental acquisition strategy leveraging the use of existing cyber contracts and Other Transaction Authority (OTA) vehicles to provide specified capabilities that will be integrated into a cohesive training platform. The next step in the acquisition strategy is developing a long term contract vehicle that will continue enabling the PCTE platform to achieve scalability, optimization, innovation, and quality standards to meet the dynamic needs of the Cyber Mission Force (CMF) user base. The Product Manager awarded an integration focused Single Award Indefinite Delivery/Indefinite Quantity</p>												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 4	PE 0305251A / <i>Cyberspace Operations Forces and Force Support</i>	DD3 / <i>Joint Cyber Warfighting Architecture Cyber Train</i>
<p>(ID/IQ) contract to serve PCTE as well as other cyber community customers called the Cyber Training, Readiness, Integration, Delivery, and Enterprise Technology (TRIDENT) contract on Q1 FY2022. The Cyber TRIDENT contract enables PCTE to provide iterative capability provided to the Cyber Mission Forces (CMF) in Capability Drops (CDs) that either improve or add features. These CDs will be based on requirements contained and further developed as part of the PCTE Information System - Capability Development Document (IS-CDD). This is a major capability acquisition that will continue to deliver capability in line with Information Technology (IT) Box requirements strategy.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support				Project (Number/Name) DD3 / Joint Cyber Warfighting Architecture Cyber Train					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Oversight	TBD	PEO STRI : Orlando, Florida	-	0.074	Jun 2024	-		-		-		-	0.000	0.074	-
Subtotal			-	0.074		-		-		-		-	0.000	0.074	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.074		-		-		-		-	0.000	0.074	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Army			Date: June 2025		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support		Project (Number/Name) DD3 / Joint Cyber Warfighting Architecture Cyber Train	

Event Name	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Platform Releases (v1.0 - v8.0) - (IS-CDD 1)	[Redacted]																											
PCTE v8.0		1																										
Platform Releases (v9.0 - vX.0) - (IS-CDD 2)					[Redacted]																							
PCTE v9.0			2																									
PCTE v10.0						3																						
PCTE v11.0							4																					
PCTE v12.0										5																		
PCTE v13.0																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army			Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0305251A / <i>Cyberspace Operations Forces and Force Support</i>	Project (Number/Name) DD3 / <i>Joint Cyber Warfighting Architecture Cyber Train</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Platform Releases (v1.0 - v8.0) - (IS-CDD 1)	2	2022	2	2024
PCTE v4.0	2	2022	2	2022
PCTE v5.0	4	2022	4	2022
PCTE v6.0	2	2023	2	2023
PCTE v7.0	4	2023	4	2023
PCTE v8.0	2	2024	2	2024
Platform Releases (v9.0 - vX.0) - (IS-CDD 2)	4	2024	4	2026
PCTE v9.0	4	2024	4	2024
PCTE v10.0	2	2025	2	2025
PCTE v11.0	4	2025	4	2025
PCTE v12.0	2	2026	2	2026
PCTE v13.0	4	2026	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army										Date: June 2025		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0305251A / <i>Cyberspace Operations Forces and Force Support</i>				Project (Number/Name) FA8 / <i>Cyberspace Operations Forces and Force Support</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
FA8: <i>Cyberspace Operations Forces and Force Support</i>	-	-	2.270	5.605	-	5.605	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

- * The ARCYBER TIAD is the Global Integrator to synchronize information forces across warfighting functions specifically leveraging command and control, fires, and intelligence.
- * The ARCYBER TIAD has the unique ability to leverage large data sets to synchronize informational considerations with operational requirements, integrate and enhance the combined information overlay (CIO), and assist targeting and assessments by sensing signatures only manifested through Public/Commercially Available Information (PAI/CAI).
- * The ARCYBER TIAD enhances the speed and precision of the Commanders' decision-making cycle, ensuring they can quickly sense, understand, and act to stay ahead of adversaries by integrating with external resources to conduct offensive operations to deny, degrade, destroy, and manipulate (D3M) the enemy's decision-making process.
- * The ARCYBER TIAD provides commanders the ability to protect critical nodes physically and virtually, to gain and maintain advantage while utilizing active and passive protection measures to enhance operational and cyberspace security under constant adversary observation.
- * The ARCYBER TIAD will focus on priority adversary threats as articulated in the National Defense Strategy (NDS). Trans-Regional threats can act from anywhere against any target. The ARCYBER TIAD is uniquely capable to provide command and control to coordinate and synchronize information forces globally against those threats.

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

	FY 2024	FY 2025	FY 2026
Title: Agile Solutions Pursuit Program	-	2.270	-
Description: ARCYBER Technology and Innovation Center (ArCTIC) T2 fosters an environment where numerous promising approaches and solutions are able to be assessed in parallel to influence future capabilities. T2 provides ARCYBER the ability to influence future programs of record by prototyping solutions and assessing them against real-world environments to determine operational impact if transitioned and scaled. T2 activities will extend and promote this culture across all Army and partner scientific research and prototype endeavors. The ArCTIC capability and research areas are narrow enough to ensure that ArCTIC is remaining true to its core competencies, and broad enough so that the lab can accelerate development efforts across various technology readiness levels (TRLs) and capability categories.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Army		Date: June 2025		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0305251A / <i>Cyberspace Operations Forces and Force Support</i>	Project (Number/Name) FA8 / <i>Cyberspace Operations Forces and Force Support</i>		
B. Accomplishments/Planned Programs (\$ in Millions) FY 2025 Base dollars in the amount of \$2.270 will be used to support the Line of Effort (LOE): Design, build, and deliver integrated capabilities for the future fight. Funds will initiate up to 3 different prototypes per year with the goal of focusing on internal R&D and external partnerships on the broad classes of ARCYBER capabilities based on operational requirements. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Beginning in FY 2026, the Agile Solutions Pursuit Program has realigned to PE 0605601A/ Army Test Ranges and Facilities.		FY 2024	FY 2025	FY 2026
<i>Title:</i> Equipment for TIADs <i>Description:</i> ARCYBER's TIAD will conduct trans-regional, threat-focused, data-centric operations enabling Army and Joint Commanders to sense, understand, decide, and act faster and more effectively than the adversary. As a trans-regional entity, this organization will focus on threat actors that are associated with multiple geographies or no known geography. <i>FY 2026 Plans:</i> The Army will establish three Theater Information Advantage Detachments: One in Europe, one in Indo-Pacific, and one in Fort Eisenhower, Georgia. This funding is for the initial equipment fill for the units. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Equipment for TIADs is a new Planned Program within PE 0305251A / Cyberspace Operations Forces and Force Support.		-	-	5.605
Accomplishments/Planned Programs Subtotals		-	2.270	5.605
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Not identified yet.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Army												Date: June 2025			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support						Project (Number/Name) FA8 / Cyberspace Operations Forces and Force Support			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development and Integration	TBD	TBD : TBD	-	-		2.270	Aug 2025	-		-		-	0.000	2.270	-
Subtotal			-	-		2.270		-		-		-	0.000	2.270	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Equipment Support	TBD	TBD : TBD	-	-		-		5.605		-		5.605	0.000	5.605	-
Subtotal			-	-		-		5.605		-		5.605	0.000	5.605	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			-	-		2.270		5.605		-		5.605	0.000	7.875	N/A
Remarks															

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

Date: June 2025

Appropriation/Budget Activity

2040 / 4

R-1 Program Element (Number/Name)

PE 0305251A / Cyberspace Operations Forces and Force Support

Project (Number/Name)

FA8 / Cyberspace Operations Forces and Force Support

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Army		Date: June 2025
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0305251A / Cyberspace Operations Forces and Force Support	Project (Number/Name) FA8 / Cyberspace Operations Forces and Force Support

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Equipment for TIADs	2	2025	1	2027