Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army											Date: March 2024	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604741A *I Air Defense Command, Control and Intelligence - Eng Dev*							
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
Total Program Element	-	54.244	74.738	69.653	-	69.653	63.879	70.400	71.366	72.084	Continuing	Continuing
126: *PEO Electronic Protect*	-	-	14.061	-	-	-	-	-	-	-	0.000	14.061
146: *Air & Msl Defense Planning Control Sys*	-	1.209	26.367	19.996	-	19.996	15.243	15.529	15.790	15.952	Continuing	Continuing
FG5: *Counter Unmanned Aerial Systems (UAS)*	-	53.035	34.310	49.657	-	49.657	48.636	54.871	55.576	56.132	Continuing	Continuing

Note

In Fiscal Year (FY) 2025, ALPS efforts realigned from PE 0604741A / Air Defense Command Control and Intelligence - Eng Dev, Project 126 /PEO Electronic Protect to 0604820A / Radar Development, Project PS1 /Army Long Range Persistent Surveillance (ALPS).

A. Mission Description and Budget Item Justification

The Air Missile Defense Planning and Control System (AMDPCS) FY 2025 funding request of $19.996 million provides integration of air and missile defense operations at all echelons. Specifically, the Air and Missile Defense Work Station (AMDWS) provides a correlated air picture using local radars, allowing the Commander the visibility and situational understanding of the airspace; automated defense design and staff planning tools in AMDWS allow Soldiers horizontal and vertical collaborative planning with adjacent units. Air Defense System Integrator (ADSI) serves as a joint tactical data link gateway/air picture, and when correlated by the Forward Area Air Defense Command and Control (FAAD C2) and displayed on AMDWS, provides a near real-time, three-dimensional air picture for the Commander. Joint Tactical Terminal (JTT) provides soldiers Theater Ballistic Missile (TBM) early warning, allowing them to take appropriate actions. AMDPCS is fielded to Army Air and Missile Defense Commands (AAMDC), Air Defense Artillery Brigades (ADA BDE), Air and Missile Defense Battalions (AMD BN), and Terminal High Altitude Area Air Defense Batteries (THAAD BTRY). Air Defense Airspace Management (ADAM), a variant of AMDPCS with similar capabilities, is fielded to Corps, Divisions, Brigade Combat Teams (BCT), and multi-functional support brigades. As part of the capability and technology reuse, AMDWS external interfaces are being leveraged by Integrated Battle Command System (IBCS) to avoid redevelopment of existing capabilities. AMDWS and FAAD C2 are core components of the Air and Missile Defense system-of-systems currently deployed in combat zones.

Counter-Unmanned Aircraft Systems (C-UAS) FY 2025 funding request of $49.657 million will provide forces at all echelons with cross-domain capabilities to identify, classify, track, and defeat Groups 1-3 UAS threats, while supporting joint operational requirements. These combined arms solutions will support the full kill-chain and result in solutions addressing fixed/semi-fixed, mounted/mobile platform, dismounted, and handheld missions. Development efforts are aligned with Joint Requirements Oversight Council Memorandum (JROCM) 078-20, which codifies the threshold and objective capability requirements for C-UAS development.

FY 2025 Base dollars in the amount of $5.319 million will fund technological development of C-UAS capabilities supporting deployed systems, to keep pace with evolving threats in response to existing Joint Urgent Operational Need (JUON) CC-0558 (managed by PEO MS).

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army	Date: March 2024
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604741A *I Air Defense Command, Control and Intelligence - Eng Dev*

FY 2025 Base dollars in the amount $1.554 million will fund technology refreshes in support of existing Army Joint Emergent Operational Need (JEON) system improvements in response to ST-0008, to provide Army priority fixed sites with the ability to detect, ID, track and defeat Group 1 and 2 Remote Controlled Model Aircraft (RCMA) (managed by PEO Intelligence, Electronic Warfare and Sensors (IEWS)).

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	55.541	74.738	70.022	-	70.022
Current President's Budget	54.244	74.738	69.653	-	69.653
Total Adjustments	-1.297	0.000	-0.369	-	-0.369
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.297	-			
• Adjustments to Budget Years	-	-	-0.369	-	-0.369

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: FG5: *Counter Unmanned Aerial Systems (UAS)*		
Congressional Add: *Software Integration Facility (SWIF) Digital Ecosystem*	20.000	-
Congressional Add Subtotals for Project: FG5	20.000	-
Congressional Add Totals for all Projects	20.000	-

Change Summary Explanation

Decreased funding represents Army approved minor reduction.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) 126 / *PEO Electronic Protect*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
126: *PEO Electronic Protect*	-	-	14.061	-	-	-	-	-	-	-	0.000	14.061
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In Fiscal Year (FY) 2025, ALPS efforts realigned from PE 0604741A / Air Defense Command Control and Intelligence - Eng Dev, Project 126 /PEO Electronic Protect to 0604820A / Radar Development, Project PS1 /Army Long Range Persistent Surveillance (ALPS).

A. Mission Description and Budget Item Justification

Army Long-Range Persistent Surveillance (ALPS) is a passive sensor that provides long-range surveillance against Cruise Missile (CM), Fixed Wing (FW), Rotary Wing (RW), and Unmanned Aircraft System (UAS) threats.

President's Budget 2024 request in the amount of $14.061 million is for the ALPs program office to provide development and integration in support of the Pacific Deterrence Initiative including the engineering, testing and validation of the system and software updates necessary to meet the new requirement for ALPS to integrate into the Army Integrated Air and Missile Defense (AIAMD) architecture ($1.004 million). This funding will also provide prototype fabrication, system support and operation for air surveillance assessments including hardware, engineering and testing of the system necessary to determine the effective use of ALPS. ($13.057 million).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: ALPS Surveillance Assessment ***Description:*** Provide prototype fabrication, system support and operation for air surveillance assessments. ***FY 2024 Plans:*** This support includes fabricating hardware, engineering and testing of the system. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Fabrication of hardware, engineering and testing of the system efforts are on track for completion. Funds realigned to 0604820A to 0654820 PS1.	-	13.057	-
Title: ALPS Development and Integration for Pacific Deterrence Initiative ***Description:*** Provide development and integration in support of the Pacific Deterrence Initiative. ***FY 2024 Plans:***	-	1.004	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 126 / *PEO Electronic Protect*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
This support includes the engineering, testing and validation of the system and software updates necessary to meet the new requirement for ALPS to integrate into the AIAMD architecture. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Engineering, testing and validation of the system and software updates for ALPS to integrate into the AIAMD architecture efforts are on track for completion. Funds moved to PE: 654820PS1.			
Accomplishments/Planned Programs Subtotals	-	14.061	-

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• EX2: *Lower Tier Air Missile Defense (LTAMD) Capability*	366.637	816.663	149.463	-	149.463	122.785	124.002	128.507	123.399	0.000	1,831.456
• FM3: *Future Interceptor*	7.880	8.040	8.058	-	8.058	8.068	8.154	8.245	8.327	0.000	56.772
• C53101: *MSE Missile*	2,471.372	1,212.832	963.060	-	963.060	975.410	1,132.518	1,461.976	1,204.578	Continuing	Continuing
• C62002: *IFPC INC 2-I BLOCK 1 SYSTEM*	22.709	313.189	411.430	-	411.430	663.872	786.454	802.826	997.832	0.000	3,998.312
• 0604117A: *Maneuver - Short Range Air Defense (M-SHORAD)*	269.186	281.239	315.772	-	315.772	245.380	347.669	406.934	270.679	Continuing	Continuing
• C14300: *M-SHORAD - Procurement*	246.867	400.697	69.091	-	69.091	42.676	-	-	-	Continuing	Continuing
• 0604820A: *Radar Development*	77.158	94.944	76.090	-	76.090	53.492	44.895	41.684	40.167	0.000	428.430
• S40: *Army Integrated Air and Missile Defense*	245.791	254.163	525.963	-	525.963	412.252	394.003	310.057	316.151	0.000	2,458.380
• BZ5075: *IAMD Battle Command System*	459.343	412.556	403.028	-	403.028	584.262	651.373	449.114	509.060	Continuing	Continuing
• 0604741A: *Air Defense Command, Control and Intelligence - Eng Dev*	54.244	74.738	69.653	-	69.653	63.879	70.400	71.366	72.084	Continuing	Continuing
• AD5070: *AIR & MSL Defense Planning & Control Sys*	72.619	68.892	80.011	-	80.011	-	-	-	-	0.000	221.522
• 0605052A: *Indirect Fire Protection Capability Inc 2 - Block 1*	126.308	196.248	167.912	-	167.912	199.241	63.965	65.244	150.204	0.000	969.122

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 126 / *PEO Electronic Protect*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• 146: *Air & Msl Defense Planning Control Sys*	1.209	26.367	19.996	-	19.996	15.243	15.529	15.790	15.952	0.000	110.086

Remarks

ALPS was previously funded under Program Element 0603327A, Air and Missile Defense Systems Engineering. This funding transitioned to Program Element 0604741A, Project 126: PEO Electronic Protect.

D. Acquisition Strategy

ALPS will utilize an Indefinite Delivery, Indefinite Quantity (IDIQ) contract to support the engineering, testing and validation of the system and software updates required to integrate ALPS into the AIAMD architecture and provide prototype fabrication, system support and operation for air surveillance assessments.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) 126 / *PEO Electronic Protect*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Government Agencies & Government Program Management	Various	Various : Various	3.822	-		1.557	Dec 2023	-		-		-	Continuing	Continuing	Continuing
		Subtotal	3.822	-		1.557		-		-		-	Continuing	Continuing	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ALPS Surveillance Assessment	Various	Various : Various	-	-		11.500	Dec 2023	-		-		-	0.000	11.500	-
ALPS Development and Integration for Pacific Deterrence Initiative	Various	Various : Various	-	-		1.004	Dec 2023	-		-		-	0.000	1.004	-
		Subtotal	-	-		12.504		-		-		-	0.000	12.504	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	3.822	-		14.061		-		-		-	Continuing	Continuing	N/A

Remarks

ALPS was previously funded under PE 0603327A.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 126 / *PEO Electronic Protect*

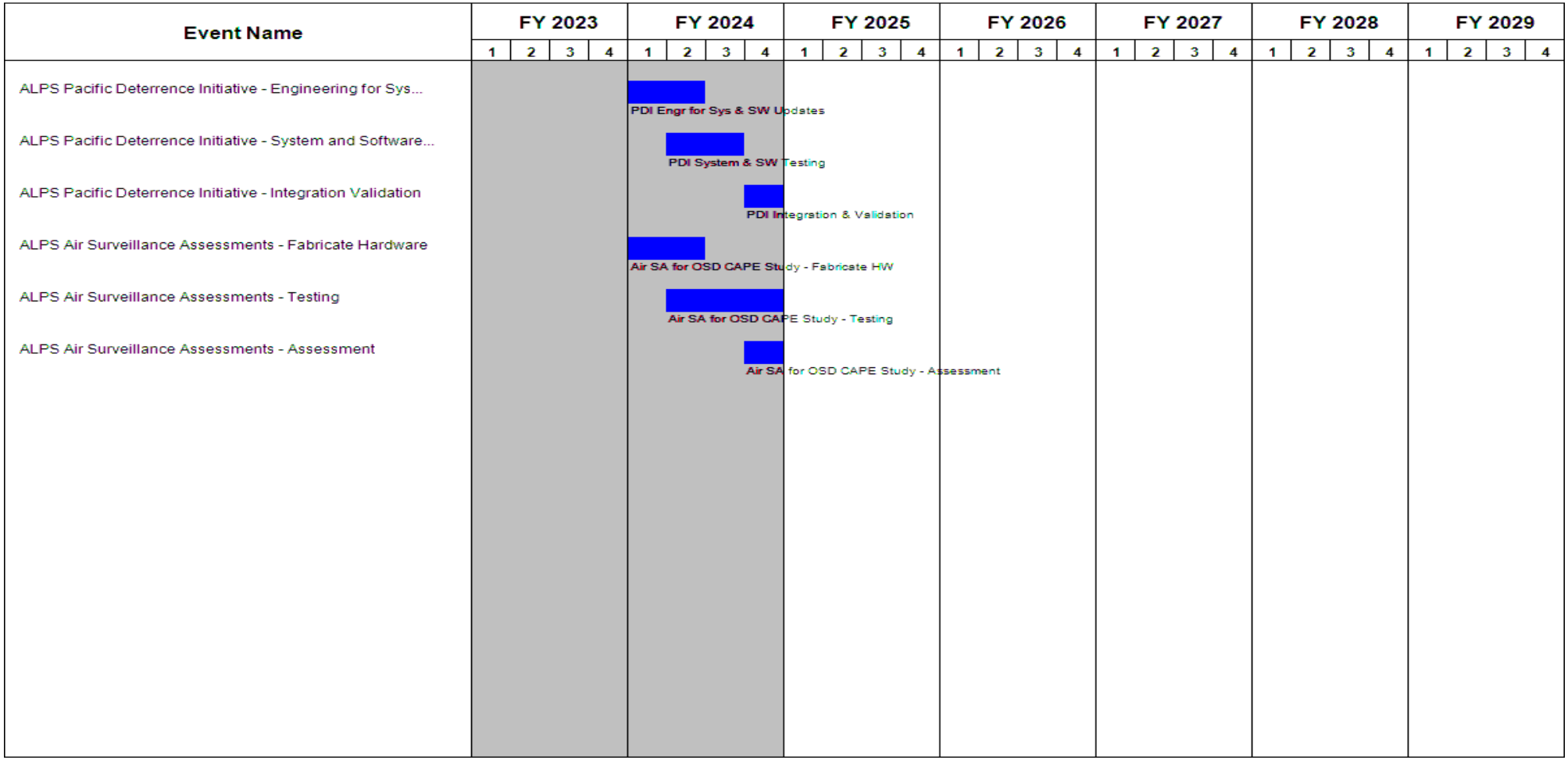

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 126 / *PEO Electronic Protect*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
ALPS Prototype Development and Integration	1	2017	4	2022
ALPS Prototype Deployments	3	2019	4	2022
ALPS Pacific Deterrence Initiative - Engineering for System and Software Updates	1	2024	2	2024
ALPS Pacific Deterrence Initiative - System and Software Testing	2	2024	3	2024
ALPS Pacific Deterrence Initiative - Integration Validation	4	2024	4	2024
ALPS Air Surveillance Assessments - Fabricate Hardware	1	2024	2	2024
ALPS Air Surveillance Assessments - Testing	2	2024	4	2024
ALPS Air Surveillance Assessments - Assessment	4	2024	4	2024

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) 146 / *Air & Msl Defense Planning Control Sys*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
146: *Air & Msl Defense Planning Control Sys*	-	1.209	26.367	19.996	-	19.996	15.243	15.529	15.790	15.952	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line is a key enabler of the Army Modernization Priorities in support of Air and Missile Defense.

The Air Missile Defense Planning and Control System (AMDPCS) provides integration of air and missile defense operations at all echelons. AMDPCS is comprised of the following major subsystems: Air Missile Defense Work Station (AMDWS) ensures updated interfaces for interoperability between Air Defense and the rest of the force, allowing the Commander the visibility and situational understanding of the airspace; tools in AMDWS afford Soldiers horizontal and vertical collaborative planning with adjacent units. Common Data Link Interface-Module (CDLI-M) serves as a joint tactical datalink gateway/air picture. Forward Area Air Defense Command and Control (FAAD C2), correlates the joint and local air picture and when displayed on AMDWS, provides a near real time, three-dimensional air picture for the Commander. Joint Tactical Terminal (JTT) provides Soldiers Theater Ballistic Missile (TBM) early warning allowing them to take appropriate actions. AMDPCS are currently fielded to Army Air and Missile Defense Commands (AAMDC), Air Defense Artillery Brigades, (ADA BDE), Air and Missile Defense Battalions (AMD BN) and Terminal High Altitude Area Defense Batteries (THAAD BTRY). Air Defense Airspace Management (ADAM), a variant of AMDPCS, are fielded to Corps, Divisions, Brigade Combat Teams (BCTs) and multi-functional support brigades. AMDPCS is also being procured to support Maneuver Short Range Air Defense (M-SHORAD), European Deterrence Initiative (EDI), and Grow the Army (GTA) initiative. As part of the capability and technology reuse, AMDWS external interfaces are being leveraged by Integrated Battle Command System (IBCS) to avoid redevelopment of existing capabilities. AMDWS, CDLI-M, and FAAD C2 are core components of the Air and Missile Defense system-of-systems currently deployed in combat zones.

FY 2025 Base dollars in the amount of $19.996 million fund development, cyber compliance and certification of AMDWS, CDLI-M and FAAD C2 software, as well as accreditation of AMDPCS family-of-systems shelters and software.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: AMDWS Software Development	0.467	2.894	1.283
Description: AMDWS supports the Common Operating Environments (COE) architecture framework. AMDWS serves as a bridge between Command Post (CP) and Real Time/Safety Critical/Embedded (RTSCE) and Sensor Computing Environments. AMDWS provides Air and Missile Defense planning, situational awareness, and operational capabilities to the force. It also interfaces at the operational and strategic level with Missile Defense and Joint systems. AMDWS external interfaces are being leveraged by Integrated Air and Missile Defense Battle Command System (IBCS) to avoid duplicating existing capabilities. Interfaces and architectures evolve over time, requiring software development support to maintain capability.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Support updated Army interfaces with the new Kessel Run program, expanded interfaces with Command and Control Battle Management and Communications (C2BMC) Planner and Theater High Altitude Air Defense (THAAD) Portable Planner, and supporting additional geospatial requirements with Mission Command. ***FY 2025 Plans:*** Maintain interoperability with Command Post Computing Environment (CPCE), migrate to a microservices/container-based architecture and expand Call for Fire (CFF) messaging. Update interface with Missile Defense Agency and the new Kessel Run, which will serve as a replacement for the Theater Battle Management Core System (TBMCS). ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease due to a reduction in funding to support critical cyber security compliance in FY 2025.			
Title: Engineering, Development, Test and Evaluation ***Description:*** Ensures Interoperability Engineering System Suite Tool and Software Suitability and Supportability Service, testing and licenses, and interoperability and cyber compliance through engineering, development, test, and evaluation of the AMDPCS family-of-systems shelter objective configurations; execute evaluation and finalization of the AMDPCS tactical communications, data processing, and vehicle/shelter/power generation/environmental system block upgrade program for fielded systems. ***FY 2024 Plans:*** Maintain FAAD C2 and AMDWS cyber certification and accreditation for AMDPCS Family-of-Systems and Integrated Battle Command System (IBCS) convergence. ***FY 2025 Plans:*** Continue to maintain FAAD C2 and AMDWS for cyber certification and accreditation for all AMDPCS Family-of-Systems and Integrated Battle Command System (IBCS) convergence. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease due to reorganization of efforts after FY 2024 to complete IBCS ADAM design and integration efforts in support of IBCS convergence.	0.483	8.585	3.721
Title: Software System Certification Testing, Accreditation, and Approval of Authority-to-Operate (ATO) ***Description:*** Accomplish software system certification testing, accreditation, and approval of ATOs for the various software systems; BitLocker encryption and other authorized/approved software implementation; Army and joint integration interoperability assessments.	0.259	0.267	0.272

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Conduct Information Assurance Vulnerability Assessments and Management activities and maintain required Authority to Operate (ATOs). ***FY 2025 Plans:*** Continue to conduct Information Assurance Vulnerability Assessments (IAVAs), and associated management activities in addition to maintaining required Authority to Operate (ATOs) for net ready AMDPCS Family of Systems as they converge to IBCS. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 funding increase represents minor increase due to economic assumptions.			
Title: FAAD C2 Software Development and Modernization ***Description:*** Supports software lab, testing, interoperability, cyber compliance, Hardware Obsolescence and software configuration management of the FAAD C2 software required to support program of record AMDPCS, Counter-Rocket, Artillery, Mortar (C-RAM), Counter-Unmanned Aerial Systems (C-UAS), and Short-Range Air Defense (SHORAD) Command and Control (C2) solutions. ***FY 2024 Plans:*** FY 2024 funding provides for FAAD C2 software integration, development, and tests in support to AMDPCS Family-of-Systems and future program platform requirements in support of IBCS convergence. ***FY 2025 Plans:*** Continue FAAD C2 software integration, development, and tests in support to maintain net ready AMDPCS Family-of-Systems and future program platform requirements in support of IBCS convergence. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 funding increase represents minor increase due to economic assumptions.	-	9.400	9.429
Title: IBCS/FAAD C2 Convergence; Ada to C++ Refactoring and Modernization ***Description:*** Convert the Forward Area Air Defense (FAAD) Command and Control (C2) software capabilities and interfaces from Ada software language to C++ Software Language; modernize the software by modularizing the capabilities, and developing a capabilities software product line (SPL) for Integrated Air and Missile Defense Battle Command System's (IBCS) to utilize. ***FY 2024 Plans:***	-	5.221	5.291

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Convert FAAD C2 software ADA language to C++. Modernize the Software by Modularizing it. Develop a Software Capabilities SPL to be converged into IBCS for a single software baseline. ***FY 2025 Plans:*** Continue conversion efforts of FAAD C2 software ADA language to C++. Modernize the Software by Modularizing it. Develop a Software Capabilities SPL to be converged into IBCS for a single software baseline. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 funding increase represents minor increase due to economic assumptions.			
Accomplishments/Planned Programs Subtotals	1.209	26.367	19.996

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• AD5070: *AIR & MSL Defense Planning & Control Sys*	72.619	68.892	80.011	-	80.011	-	-	-	-	0.000	221.522
• 0605457A: *Army Integrated Air and Missile Defense (AIAMD)*	245.791	284.095	602.045	-	602.045	529.043	416.826	312.065	316.661	0.000	2,706.526
• BZ5075: *IAMD Battle Command System*	459.343	412.556	403.028	-	403.028	584.262	651.373	449.114	509.060	Continuing	Continuing
• 0604117A: *Maneuver - Short Range Air Defense (M-SHORAD)*	269.186	281.239	315.772	-	315.772	245.380	347.669	406.934	270.679	Continuing	Continuing
• C14300: *M-SHORAD - Procurement*	246.867	400.697	69.091	-	69.091	42.676	-	-	-	Continuing	Continuing

Remarks

This program is an integral part of the Army Integrated Fires Mission Command (IFMC) convergence capability for Integrated Battle Command System (IBCS) architecture.

D. Acquisition Strategy

The acquisition strategy relies primarily on Non-Developmental Item (NDI) integration efforts. The primary intent of the AMDPCS program is to take the best available governmental and commercial technologies and integrate them into a seamless Command and Control (C2) program to provide common tools for airspace situational awareness, and command and control for all Army Air Defense units at all echelons. Also, to continue development, testing, and certification of AMDWS and FAAD C2 software, and ensure accreditation of AMDPCS shelter configurations and software until convergence with the Integrated Air & Missile Defense (IAMD) Battle Command

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

System (IBCS). Finally, to complete procurement of AMDPCS shelter configurations, field, and execute tech refresh on fielded systems until convergence with IBCS and transition to sustainment in FY 2027.

The AMDWS software development contract is sole source (SS)/cost plus fixed fee (CPFF) to Northrop Grumman Corp.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) 146 / *Air & Msl Defense Planning Control Sys*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	SS/CPFF	Various : Huntsville, AL	35.156	0.299	Dec 2022	0.307	Dec 2022	0.313	Dec 2024	-		0.313	Continuing	Continuing	Continuing
		Subtotal	35.156	0.299		0.307		0.313		-		0.313	Continuing	Continuing	N/A

Remarks

Not Applicable

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
AMDWS Software Development and Engineering	SS/CPFF	Northrop Grumman : Huntsville AL	187.163	0.467	Oct 2022	2.894	Oct 2022	1.283	Dec 2024	-		1.283	Continuing	Continuing	Continuing
Developmental Engineering	SS/CPFF	Various : Huntsville, AL	48.477	0.380	Dec 2022	8.278	Dec 2022	3.408	Dec 2024	-		3.408	Continuing	Continuing	Continuing
IBCS/FAAD C2 Convergence; Ada to C++ Refactoring and Modernization	TBD	Various : Redstone Arsenal	-	-		5.221		5.091		-		5.091	0.000	10.312	-
		Subtotal	235.640	0.847		16.393		9.782		-		9.782	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FAAD C2 Software Development and Modernization	SS/CPFF	Various : Redondo Beach, CA	-	-		9.400		9.629	Apr 2024	-		9.629	0.000	19.029	-
		Subtotal	-	-		9.400		9.629		-		9.629	0.000	19.029	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) 146 / *Air & Msl Defense Planning Control Sys*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Certification/Testing	SS/CPFF	JITC : Ft Huachuca, AZ	1.535	0.027	Feb 2023	0.267	Feb 2023	0.272	Feb 2025	-		0.272	Continuing	Continuing	Continuing
Interoperability Assessment	Various	CTSF : Ft Hood, TX	1.999	0.036	May 2023	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	3.534	0.063		0.267		0.272		-		0.272	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	274.330	1.209		26.367		19.996		-		19.996	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

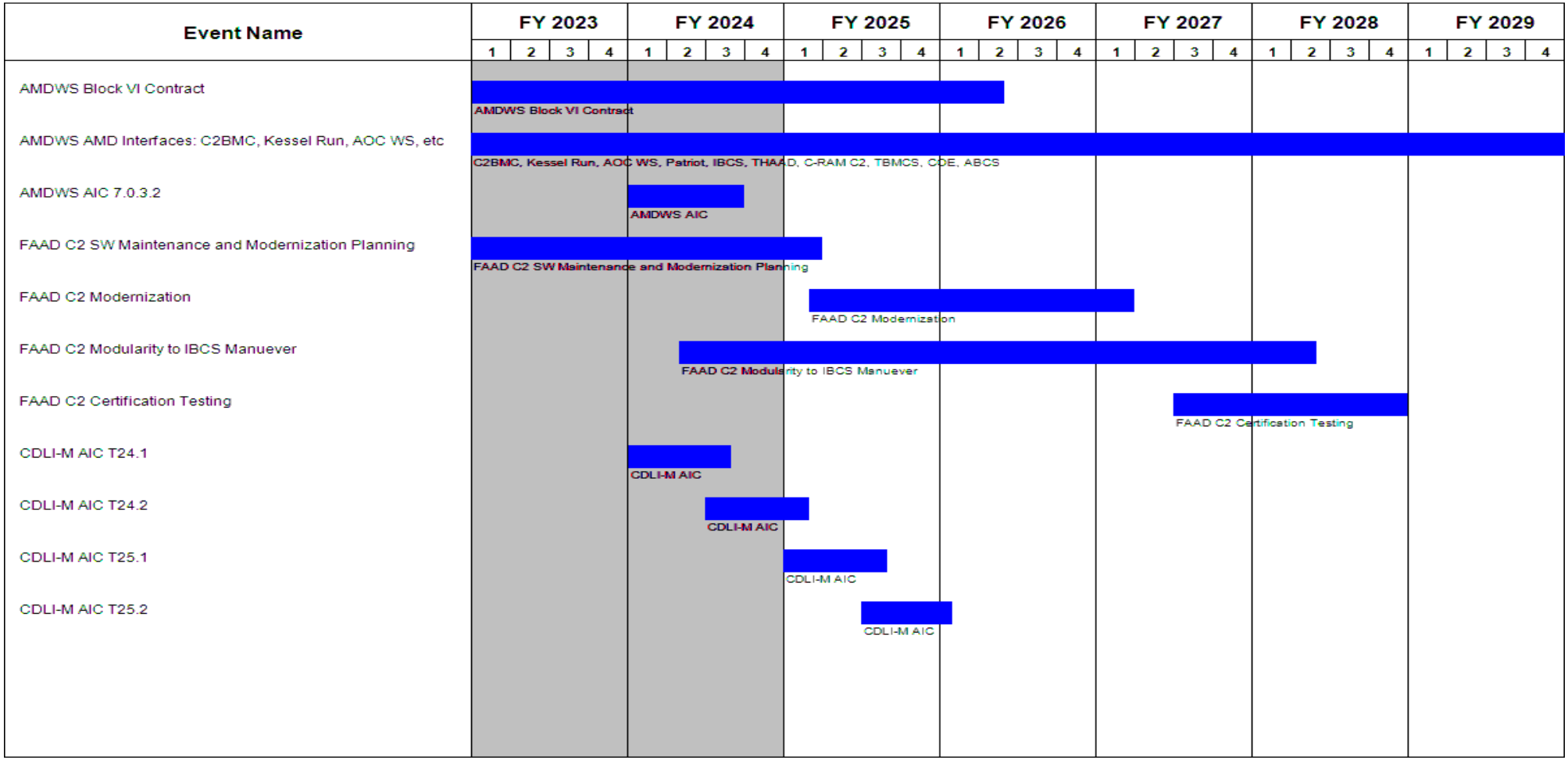

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** 146 / *Air & Msl Defense Planning Control Sys*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
AMDWS Block VI Contract	1	2022	2	2026
AMDWS AMD Interfaces: C2BMC, Kessel Run, AOC WS, etc	4	2012	4	2030
AMDWS AIC 7.0.3.1	1	2022	3	2022
AMDWS AIC 7.0.3.2	1	2024	3	2024
FAAD C2 SW Maintenance and Modernization Planning	2	2022	1	2025
FAAD C2 Modernization	1	2025	1	2027
FAAD C2 Modularity to IBCS Manuever	2	2024	2	2028
FAAD C2 Certification Testing	3	2027	4	2028
CDLI-M AIC T24.1	1	2024	3	2024
CDLI-M AIC T24.2	3	2024	1	2025
CDLI-M AIC T25.1	1	2025	3	2025
CDLI-M AIC T25.2	3	2025	1	2026

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) FG5 / *Counter Unmanned Aerial Systems (UAS)*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
FG5: *Counter Unmanned Aerial Systems (UAS)*	-	53.035	34.310	49.657	-	49.657	48.636	54.871	55.576	56.132	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Counter-Unmanned Aircraft Systems (C-UAS) efforts provide forces at all echelons with cross-domain capabilities to identify, classify, track, and defeat Groups 1-3 UAS threats, while supporting joint operational requirements. These combined arms solutions support the full kill-chain and result in solutions addressing fixed/semi-fixed, mounted/mobile, dismounted, and handheld missions. Development efforts are aligned with Joint Requirements Oversight Council Memorandum (JROCM) 078-20, which codifies the threshold and objective capability requirements for C-UAS development.

FY 2025 Base dollars in the amount of $8.771 million will fund rapid component prototyping, facilitate operational assessments, pursue development and integration of mature hardware, address obsolescence, and test performance improvements of existing systems against current and near-term threats.

FY 2025 Base dollars in the amount of $34.013 million will fund prototyping, pursue development and integration of emerging technologies, and test performance improvements against future threats.

FY 2025 Base dollars in the amount of $5.319 million will fund technological development of C-UAS capabilities supporting deployed systems, to keep pace with evolving threats in response to existing Joint Urgent Operational Need (JUON) CC-0558 (managed by PEO MS).

FY 2025 Base dollars in the amount $1.554 million will fund technology refreshes in support of existing Army Joint Emergent Operational Need (JEON) system improvements in response to ST-0008, to provide Army priority fixed sites with the ability to detect, ID, track and defeat Group 1 and 2 Remote Controlled Model Aircraft (RCMA) (managed by PEO Intelligence, Electronic Warfare and Sensors (IEWS)).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Fixed/Mobile System Development	10.064	8.695	8.771
Description: Funds rapid component prototyping, facilitates operational assessments, pursues development and integration of mature hardware, addresses obsolescence, and tests performance improvements of existing systems against current and near-term threats.			
FY 2024 Plans: FY 2024 Base funding will complete prototype build and integration efforts and support environmental and qualification testing for a small, flat-panel fire control radar, to provide fixed and mounted systems with an enhanced air surveillance capability against			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
fixed wing, rotary wing, and Groups 1-3 UAS. Funding will support biannual C-UAS system of systems integration/record tests for new and enhanced components, systems, and subsystems. ***FY 2025 Plans:*** FY 2025 Base funding will support hardware and software development efforts for the eXpeditionary Battlefield active electronically-scanned array (AESA) External Unit (XBAEU) radar (a vehicle-mounted multi-mission sensor operating on-the-move), such as developing localized-heat exchangers (L-HEX) to reduce the requirement for centralized HEX and transitioning the system controller unit (SCU) and power distribution unit (PDU) from liquid-cooled to air-cooled, resulting in reliability and producibility improvements at a lower cost than the current Ku-720 radar. Funding will also support biannual C-UAS system of systems integration/record tests for new and enhanced components, systems, and subsystems. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 funding increase represents minor increase due to economic assumptions.			
Title: Tech Refresh for Army JUON/JEON Efforts ***Description:*** Funds technology refreshes at Army priority fixed sites and continues technological development of C-UAS capabilities supporting deployed systems. ***FY 2024 Plans:*** FY 2024 Base funding will provide technology refresh supporting existing Army JEON system improvements in response to ST-0008, to develop new and emerging signals of interest to pace the evolving threat and provide Army priority fixed sites with the ability to detect, engage, and defeat Groups 1 and 2 UAS. This funding will also support technological development of C-UAS systems deployed under existing JUON CC-0558, to include improvements to electronic warfare effectiveness against current and future threats. ***FY 2025 Plans:*** FY 2025 Base funding will develop new and emerging signals of interest to pace the evolving threat and provide Army priority fixed sites with the ability to detect, engage, and defeat enemy UAS. Funding will also continue technological development of C-sUAS capabilities supporting deployed systems, such as further developing new electronic warfare defeat measures (e.g, multi-stage cognitive radio frequency sensor, upgraded antenna suite for added reliability and flexibility, electronically-steered antenna), to keep pace with evolving UAS threats. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 funding increase represents minor increase due to economic assumptions.	6.660	6.830	6.873
Title: C-sUAS Capability Development Document (CDD) Pre-Planned Product Improvement (P3I)	16.311	18.785	34.013

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Description: The C-sUAS P3I program incorporates incremental improvements to address future C-sUAS capabilities, creating enduring next generation C-sUAS solutions. Funding supports prototyping, pursues development and integration of emerging technologies, and tests performance of system improvements against future threats. This effort was previously titled Next Generation Product Development. ***FY 2024 Plans:*** FY 2024 Base funding will continue efforts to identify and characterize emerging technologies which support prototyping, integration, and testing of system improvements to increase the capability to detect, track, and defeat the 2035 C-sUAS threat, and will continue development and testing of updated technical manuals and safety documentation required to transition Coyote interceptor loading responsibility to Soldiers, enhanced command and control systems for automated decision aids, and improvements to address obsolescence and reduce reliance on contractor logistics support for EW systems. Testing will ensure technologies meet environmental and reliability/survivability/availability requirements. ***FY 2025 Plans:*** FY 2025 Base funding will continue efforts to identify and characterize emerging technologies which support prototyping, integration, and testing of system improvements to increase the capability to detect, track, and defeat future C-sUAS threats. Funding will continue development and testing of updated technical manuals and safety documentation required to transition Coyote interceptor loading responsibility to Soldiers; continue efforts to improve reliability for the Coyote kinetic interceptor, with an emphasis on payload, propulsion, and seeker components; and continue improvements to C-sUAS command and control (C2) systems for automated decision aids, such as incremental steps to a single pane of glass, camera/radar software improvements, and enhanced real-time mission analysis to improve Soldier effectiveness. Funding will also support tech refresh of electronic warfare hardware, by identifying, testing, and replacing components that are approaching end-of-life; pursuing open architecture solutions, which enable multi-vendor/multi-service framework environments; and implementing additional software libraries. Testing will ensure technologies meet environmental and reliability/survivability/availability requirements. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 Base funds increase is due to a reprioritization of requirements to support C-sUAS P3I efforts.			
Accomplishments/Planned Programs Subtotals	33.035	34.310	49.657

	FY 2023	FY 2024
Congressional Add: Software Integration Facility (SWIF) Digital Ecosystem	20.000	-
FY 2023 Accomplishments: FY 2023 Base funding supported hardware procurement, development, and integration to provide the initial SWIF for the Integrated Fires Rapid Capabilities Office (IFRCO), managed by PEO MS. The SWIF capability provides an integrated development environment, and it enables increased		

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

	FY 2023	FY 2024
system-of-systems (SoS) development and integration speed and efficiency across the Integrated Fires architecture.		
Congressional Adds Subtotals	20.000	-

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• AD0511: *C-SUAS FIXED*	299.789	27.847	16.233	-	16.233	39.996	38.707	39.743	40.139	0.000	502.454
• AD0512: *C-SUAS OPERATIONAL*	-	313.490	235.363	-	235.363	226.162	235.449	243.047	246.032	0.000	1,499.543
• AD0513: *C-SUAS GROUND READINESS*	-	24.039	28.490	-	28.490	-	-	-	-	0.000	52.529
• C82216: *C-SUAS EFFECTORS*	-	-	96.182	-	96.182	37.435	36.369	37.977	38.524	0.000	246.487
• C82217: *C-SUAS LAUNCHERS*	-	-	21.242	-	21.242	21.667	20.479	20.889	20.299	0.000	104.576

Remarks

D. Acquisition Strategy

The C-UAS program began as a rapid acquisition and deployment of interim capabilities program, in response to JUON CC-0558 and JEON ST-0008; however, based upon FY22 direction from the Army Acquisition Executive (AAE), combined with approval of the C-sUAS Capability Development Document (CDD) Increment 1, it has transitioned to a formalized acquisition approach with five individual Acquisition Category (ACAT) III programs of record (PoR) within the C-sUAS portfolio: Fixed Site-Low, slow, small Unmanned Aircraft System (UAS) Integrated Defeat System (FS-LIDS); Mobile-Low, slow, small UAS Integrated Defeat System (M-LIDS); Ku-band Radio Frequency System (KuRFS) Family of Radars; Coyote Launchers and Interceptors; and Handheld/Dismounted Systems. Currently, the FS-LIDS, M-LIDS, Coyote, and KuRFS requirements are fulfilled through existing Indefinite Delivery/Indefinite Quantity (ID/IQ) contracts, which are in place through FY25, to procure and field all C-sUAS major end items. Acquisition planning is underway for individual PoR follow-on ID/IQ contracts, with anticipated periods of performance of 8 years, to support the remaining CDD Increment 1 requirements, along with potential Increment 2 requirements. Handheld/Dismounted systems are procured through a combination of the Defense Logistics Agency, Army Contracting Command, and U.S. Special Operations Command.

C-UAS 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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management - CsUAS	Various	Multiple : Multiple	1.293	2.374	Feb 2023	2.946	Dec 2023	3.367	Dec 2024	-		3.367	Continuing	Continuing	-
Program Management - JUON CC-0558	Various	Multiple : Multiple	32.997	0.457	Feb 2023	-		-		-		-	0.000	33.454	-
Program Management - SWIF	Various	Multiple : Multiple	-	1.600	Aug 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	34.290	4.431		2.946		3.367		-		3.367	Continuing	Continuing	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Fixed/Mobile System Development	C/IDIQ	Multiple : Multiple	106.032	8.162	Aug 2023	7.052	Mar 2024	7.289	Apr 2025	-		7.289	Continuing	Continuing	-
Tech Refresh - Deployed Systems	C/Various	Multiple : Multiple	9.359	4.114	Aug 2023	4.258	Mar 2024	4.420	Apr 2025	-		4.420	Continuing	Continuing	-
Tech Refresh - Fixed Sites	MIPR	Multiple : Multiple	1.638	1.587	Feb 2023	1.580	Jan 2024	1.554	Mar 2025	-		1.554	Continuing	Continuing	-
CDD P3I	C/Various	Multiple : Multiple	-	13.228	Jun 2023	15.234	Mar 2024	28.265	Apr 2025	-		28.265	Continuing	Continuing	-
Software Integration Facility (SWIF) Digital Ecosystem	MIPR	Multiple : Multiple	-	18.400	Aug 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	117.029	45.491		28.124		41.528		-		41.528	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support - C-sUAS	MIPR	Multiple : Multiple	0.793	2.611	May 2023	2.720	Feb 2024	4.762	Feb 2025	-		4.762	Continuing	Continuing	-
Test Support - JUON CC-0558	MIPR	Multiple : Multiple	66.072	0.502	Feb 2023	0.520	Feb 2024	-		-		-	0.000	67.094	-
		Subtotal	66.865	3.113		3.240		4.762		-		4.762	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	Project (Number/Name) FG5 / *Counter Unmanned Aerial Systems (UAS)*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	218.184	53.035		34.310		49.657		-		49.657	Continuing	Continuing	N/A

Remarks

FY 2024 to FY 2025 increases in Program Management and Test Support are based on anticipated costs associated with P3I efforts.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

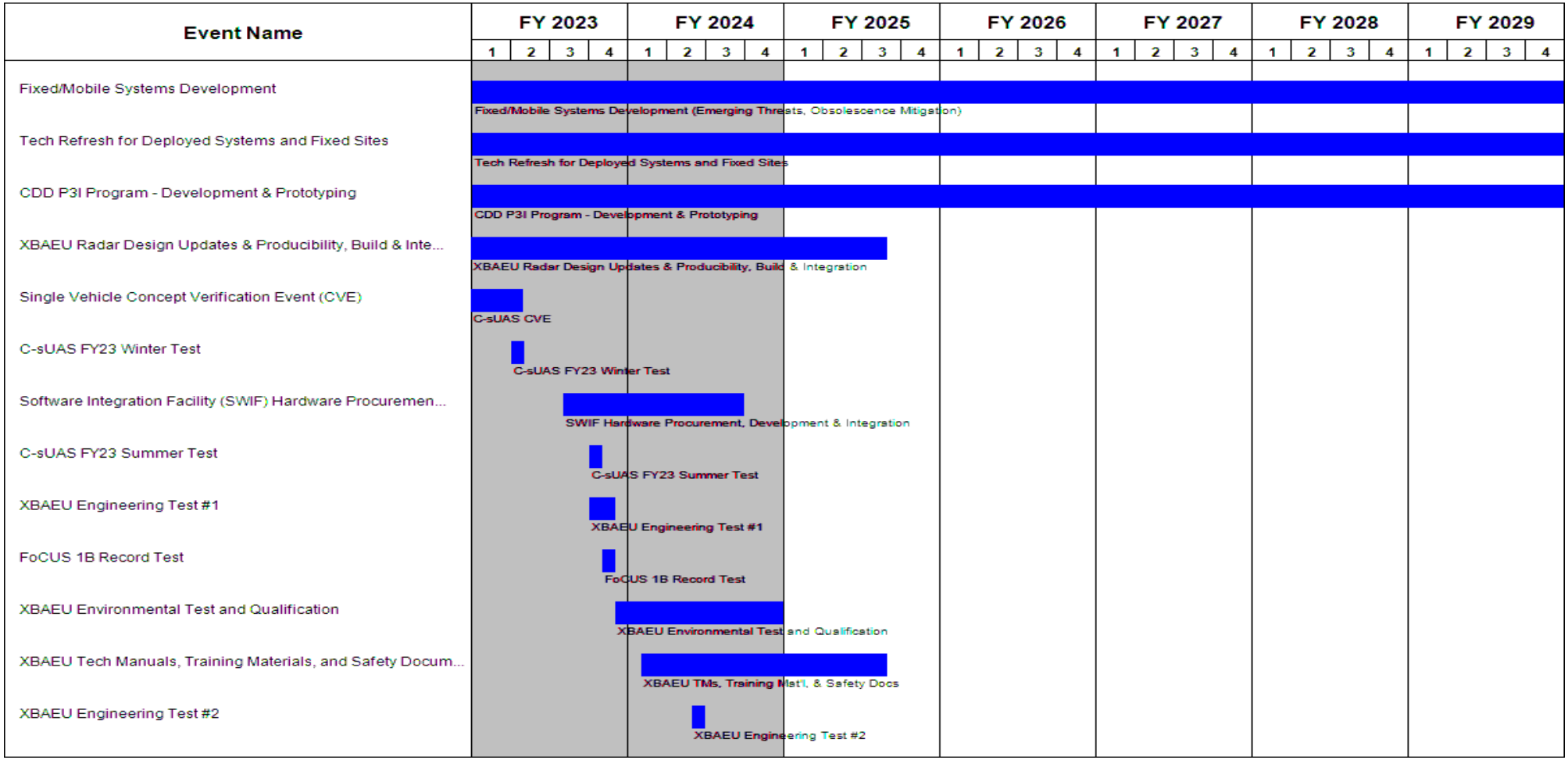

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

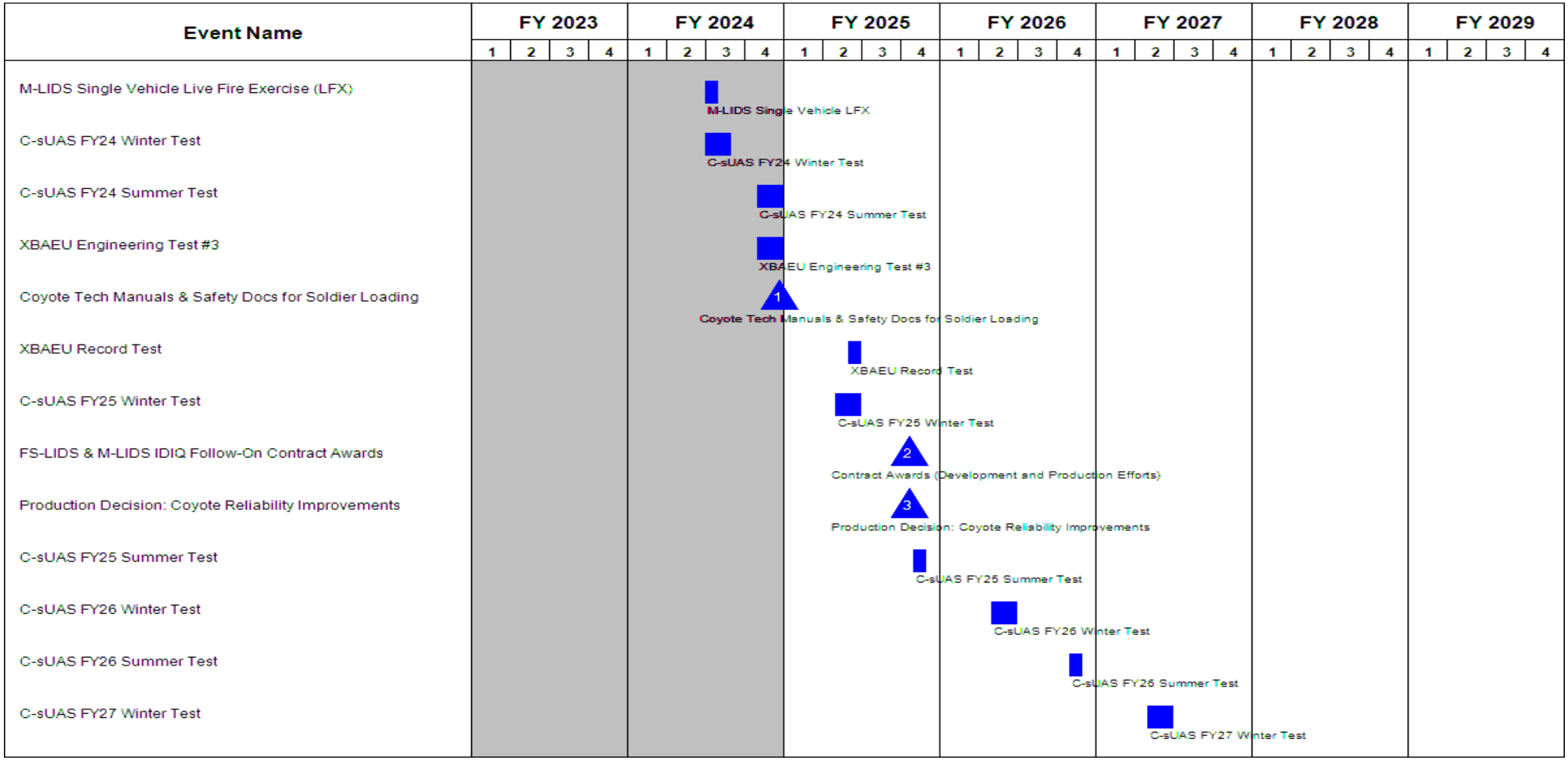

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

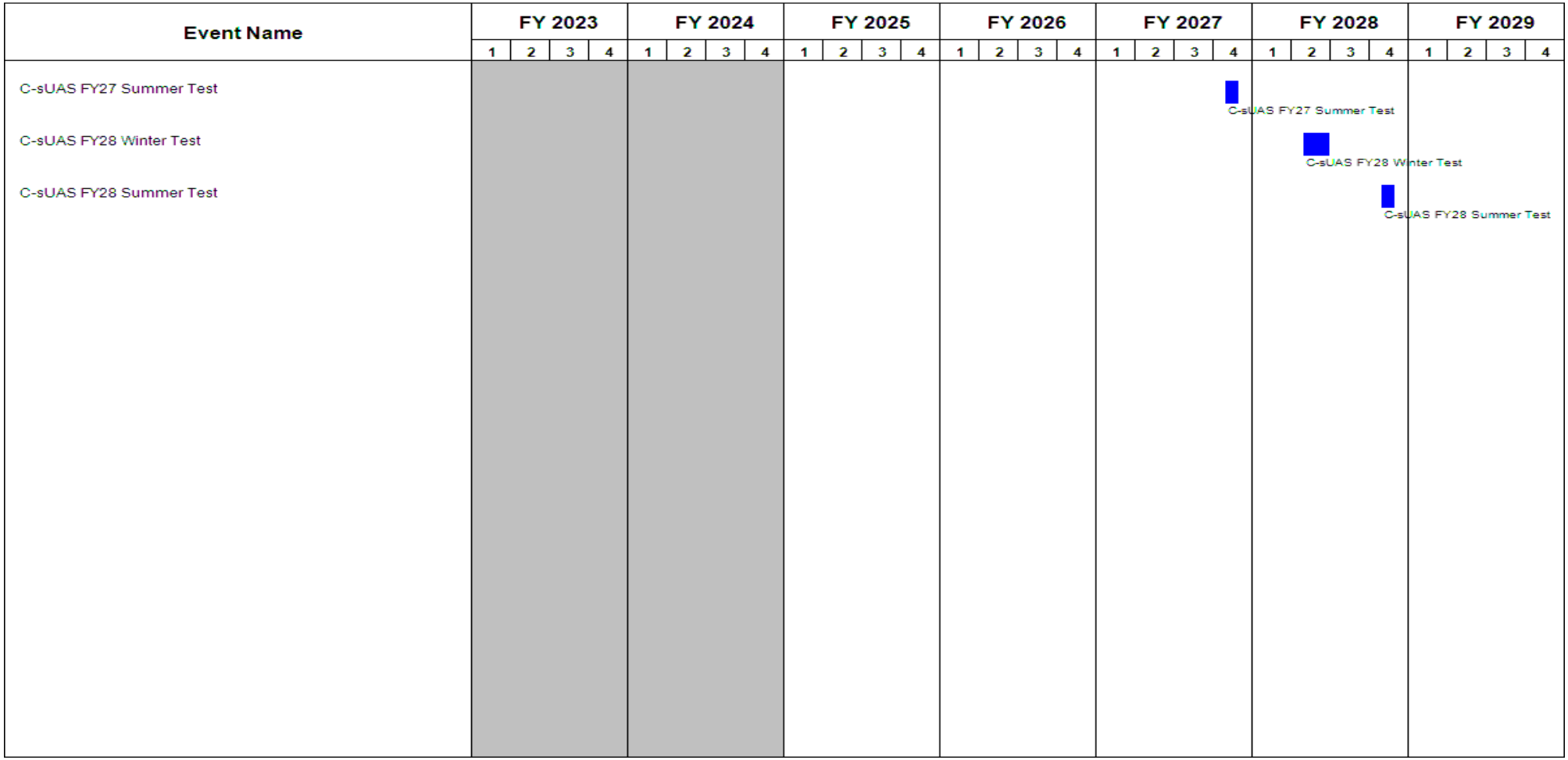

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Fixed/Mobile Systems Development	1	2017	4	2029
Tech Refresh for Deployed Systems and Fixed Sites	1	2021	4	2029
CDD P3I Program - Development & Prototyping	1	2023	4	2029
XBAEU Radar Design Updates & Producibility, Build & Integration	3	2022	3	2025
Single Vehicle Concept Verification Event (CVE)	1	2023	1	2023
C-sUAS FY23 Winter Test	2	2023	2	2023
Software Integration Facility (SWIF) Hardware Procurement, Development, and Integration	3	2023	3	2024
C-sUAS FY23 Summer Test	4	2023	4	2023
XBAEU Engineering Test #1	4	2023	4	2023
FoCUS 1B Record Test	4	2023	4	2023
XBAEU Environmental Test and Qualification	4	2023	4	2024
XBAEU Tech Manuals, Training Materials, and Safety Documentation	1	2024	3	2025
XBAEU Engineering Test #2	2	2024	2	2024
M-LIDS Single Vehicle Live Fire Exercise (LFX)	3	2024	3	2024
C-sUAS FY24 Winter Test	3	2024	3	2024
C-sUAS FY24 Summer Test	4	2024	4	2024
XBAEU Engineering Test #3	4	2024	4	2024
Coyote Tech Manuals & Safety Docs for Soldier Loading	4	2024	4	2024
XBAEU Record Test	2	2025	2	2025
C-sUAS FY25 Winter Test	2	2025	2	2025
FS-LIDS & M-LIDS IDIQ Follow-On Contract Awards	4	2025	4	2025

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604741A / *Air Defense Command, Control and Intelligence - Eng Dev*	**Project (Number/Name)** FG5 / *Counter Unmanned Aerial Systems (UAS)*

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Production Decision: Coyote Reliability Improvements	4	2025	4	2025
C-sUAS FY25 Summer Test	4	2025	4	2025
C-sUAS FY26 Winter Test	2	2026	2	2026
C-sUAS FY26 Summer Test	4	2026	4	2026
C-sUAS FY27 Winter Test	2	2027	2	2027
C-sUAS FY27 Summer Test	4	2027	4	2027
C-sUAS FY28 Winter Test	2	2028	2	2028
C-sUAS FY28 Summer Test	4	2028	4	2028