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**Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>
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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	-	33.029	27.714	4.176	-	4.176	4.261	4.146	4.193	4.235	0.000	81.754
CY5: <i>CYBER Situational Understanding</i>	-	21.125	16.581	-	-	-	-	-	-	-	0.000	37.706
EV5: <i>Defensive CYBER Operations</i>	-	5.477	5.128	-	-	-	-	-	-	-	0.000	10.605
XU3: <i>Tactical DCO-I</i>	-	6.427	6.005	4.176	-	4.176	4.261	4.146	4.193	4.235	0.000	33.443

**Note**

These funding lines are directly aligned to the Army Network Modernization Priority. Cyber Situational Understanding (Cyber SU) funding line supports the Common Operating Environment (COE). Defensive Cyber Operations (DCO) and Tactical DCO Infrastructure (TDI) funding line supports the Army Network Modernization Strategy LOE, Key Enabler for Unified Network.

FY 2025 funding was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development to BA-08 PE 0608041A Project CD1 Defensive Cyber Software Prototype Development.

**A. Mission Description and Budget Item Justification**

These funding lines are key enablers/direct supporters of the Army Modernization Strategy.

- Cyber Situational Understanding (Cyber SU) is a software only, mission command application within the Command Post Computing Environment (CPCE) designed for use by maneuver commanders at the tactical level (Brigade to Army Service Component Command (ASCC)) to enable analytics, visualization, understanding and decision making to counter Cyber Electromagnetic Activity (CEMA) threats in multi-domain operations. FY 2025 funding decrease due to program divestment.

- Defensive Cyber Operations (DCO) consists of platform and software programs which are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. The employment of defensive capabilities creates specific effects in cyberspace through actions that allow commanders to achieve the following objectives: deter, destroy, and defeat enemy offensive cyberspace operations; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence. DCO supports the Army Cyber Command (ARCYBER), Information Warfare Operations Center (IWOC), (5) Regional Cyber Centers (RCCs), Cyber Warfare Battalion (CWB), Multi-Domain Task Force (MDTF), Cyber Protection Brigade (CPB), and (41) Cyber Protection Teams (CPTs) in COMPO 1/2/3. DCO Development Environment (DCODE) is both physical and/or virtual assets that provide integration and assessment capabilities during the development and integration phases of operations. These assets are centrally managed in order to provide accountability, modernization, standardization, software updating and patching and security posture in order to maintain the Authority to Operate (ATO).

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Army	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>
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- Tactical DCO-I (TDI) is a software only program that consists of pre-configured DCO applications that enable local and remote Cyber defenders to conduct cyberspace surveillance, and maneuver against an adversary traversing within the tactical network. The TDI capability is hosted on the Army's Tactical Network and will reside within the Command Post at the tactical level (up to Army Service Component Commands (ASCC)).

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	39.029	27.714	24.268	-	24.268
Current President's Budget	33.029	27.714	4.176	-	4.176
Total Adjustments	-6.000	0.000	-20.092	-	-20.092
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-6.000	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-20.092	-	-20.092

**Change Summary Explanation**

Decrease is due to realignment of \$5.494 million to 0608041A Project CD1 Defensive Cyber Software Prototype Development and completion of planned efforts in Cyber Situational Understanding.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>				<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
<i>CY5: CYBER Situational Understanding</i>	-	21.125	16.581	-	-	-	-	-	-	-	0.000	37.706
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

The Cyber SU program responds to requirements in the program's validated Information System-Initial Capabilities Document (IS-ICD), further detailed in a Requirements Definition Package (RDP), valid for FY 2020 through FY2024. These requirements will not be revalidated for the Cyber SU program but will be subsumed as part of a broader effort currently under Army review. The Cyber SU software will be provided to the programs responsible for the updated requirements and the stand-alone Cyber SU program of record will be divested and the funding (starting in FY2025) will be realigned to other Army priorities.

**A. Mission Description and Budget Item Justification**

Cyber SU is a software-only, mission command application designed for use by maneuver commanders at the tactical level (Infantry, Armor, Stryker Brigade Combat Teams, Division, Corps, and Army Service Component Commands). Cyber SU is the first application of its kind designed for maneuver commanders focusing on tactical/ expeditionary combat operations to detect and mitigate cyber and electronic warfare threats and assist with decision making during combat operations.

Cyber SU produces a Cyber Electromagnetic Activity (CEMA) overlay on the commander's Common Operational Picture (COP) within the Command Post Computing Environment (CPCE)/Tactical Services Infrastructure (TSI) infrastructure. Unlike Enterprise Cyber Mission Force(s) Tools, Cyber SU was designed using the CPCE Software Development Kit (SDK), to operate within the constraints of TSI hardware, a bandwidth constrained tactical environment, and support Common Operating Environment (COE) standards in the Army's Command Post. The underlying Cyber SU framework is also being leveraged by the US Air Force to ensure alignment with the Combined Joint All Domain Command and Control (CJADC2). The Army will ensure Cyber SU has an open systems architecture and will continue to explore options to integrate Cyber SU functionality and data ingests between other Services as well as explore insertion of third-party technology within the Cyber SU solution.

Cyber SU provides the maneuver commander the ability to visualize and understand any cyber related impacts/threats to physical (geographical), logical (at a specific network internet protocol), and cyber persona layers (bad actors, from individuals to nation states) of tactical cyberspace data. Supporting CEMA, Cyber SU ingests existing data sources from related programs (e.g., Tactical Defense Cyber Operations Infrastructure, CPCE, Electronic Warfare Planning and Management Tool (EWPMT), Unified Network Operations (UNO), Distributed Common Ground System-Army, Data Distribution System), synchronizes and integrates blue (friendly), red (enemy), and grey (commercial/private sector) data and enables collaboration therein at the tactical edge.

Cyber SU continues to address the principal capability areas from its first Information Technology (IT) Box (FY2020 -FY2024), including See Yourself (Initial Capability), See Your Cyber Battlespace, and Understand Your Cyber Battlespace. Cyber SU Information Technology (IT) Box requirements will not be renewed.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>
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To better meet Army needs, Cyber Electromagnetic Activity (CEMA) requirements captured in the Cyber SU IS-ICD are being subsumed into requirements documents for Informational Dimension, Electronic Warfare Planning & Management Tool (EWPMT) Next, the Unified Network Operations (UNO) Lower Tactical Tier (LTT) and Upper Tactical Tier (UTT) requirements; therefore, the Cyber SU IS-ICD will not be recertified for a follow-on IT Box (FY2025-2029).

Funding for the Cyber SU program is not required in FY2025 and beyond due to this change in how the Army is addressing these operational requirements and desired capabilities.

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

	FY 2023	FY 2024	FY 2025
<p><b>Title:</b> Development Engineering and Integration</p> <p><b>Description:</b> Leverage industry developed prototype software, as well as ingest and synchronize cyber data from multiple Program of Record (PoRs) to develop and engineer the Cyber SU capability.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding supports the completion of development of systems engineering/ architecture products, middleware and back-end services required to establish the Cyber SU CD 2 capability. Funding also supports CD 2 post- test fix and integration to allow for the delivery of the Cyber SU CD 2 capability planned in 4QFY2024. The CD 2 capability incorporates advanced features and analytics to comprehend the meaning of cyber activity and facilitate response actions. This allows for proactive decision making in support of multi- domain operations.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY 2025 funding decrease due to completion of planned activities.</p>	17.016	9.678	-
<p><b>Title:</b> Systems Test and Evaluation</p> <p><b>Description:</b> Efforts include the planning and execution of T&amp;E events including Developmental Test, Interoperability Testing, Software Acceptance Testing, Integration Events, Risk Reduction Events, and User Tests/Evaluations.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding will support continued developmental operations (DevOps) activities, developmental testing (DT), operational assessment (OA), interoperability testing, and cybersecurity assessments of the Cyber SU CD 2 capability. Funding also supports Army Test and Evaluation Command (ATEC) Army Evaluation Center (AEC) requirement for DT instrumentation.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY 2025 funding decrease due to completion of planned activities.</p>	1.332	3.591	-
<p><b>Title:</b> Training Development</p> <p><b>Description:</b> The development of training support products, including coordination with US Army Training and Doctrine Command (TRADOC) US Army Cyber Command, PORs, and related organizations to develop applicable program of instruction.</p>	0.815	1.540	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b><i>FY 2024 Plans:</i></b> FY 2024 funding provides for the completion of development of the New Equipment Training (NET) support package, verification/validation, software user manuals/tech manuals and virtual training development for the FY2020-2024 IT Box.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b> FY 2025 funding decrease due to completion of planned activities.</p>			
<p><b><i>Title:</i></b> Systems Engineering/Management</p> <p><b><i>Description:</i></b> Systems Engineering/Management includes business, technical and logistical staff support and overall management of program execution, major events and reporting.</p> <p><b><i>FY 2024 Plans:</i></b> FY 2024 funding provides for program office staff (matrix and contractor) continued program execution support and performance of duties necessary to plan and execute activities and milestone events to include the delivery of CD 2 in 4QFY2024.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b> FY 2025 funding decrease due to completion of planned activities.</p>	1.962	1.772	-
<b>Accomplishments/Planned Programs Subtotals</b>	21.125	16.581	-

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

N/A

**Remarks**

N/A

**D. Acquisition Strategy**

The Cyber SU Information System-Initial Capabilities Document (IS-ICD) was approved on 18 July 2018 by the Joint Requirements Oversight Council. The Requirements Definition Package (RDP) was approved on 19 March 2019 by the Army Requirements Oversight Council Requirements Board. The program is utilizing an evolutionary and tailored acquisition approach under which Cyber SU will develop a series of testable, integrated subsets of capability to meet the overall functional values.

Program Executive Office, Command, Control and Communications-Tactical, the Milestone Decision Authority, approved the Materiel Development Decision on 20 June 2018, designating Cyber SU as an Acquisition Category (ACAT) III program. Milestone B was approved on 8 April 2020.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b>	<b>R-1 Program Element (Number/Name)</b>	<b>Project (Number/Name)</b>
2040 / 5	PE 0605041A / <i>Defensive CYBER Tool Development</i>	CY5 / <i>CYBER Situational Understanding</i>

On 4 October 2023, the Cyber Army Capability Manager directed the Program Office to begin the process to divest the Cyber SU program and future development of the Cyber SU product as the requirements will be subsumed within the Informational Dimension, Electronic Warfare Planning & Management Tool (EWPMT) Next, Unified Network Operations (UNO) LTT and UTT requirement documents.

Execution of the Cyber SU program is a combination of government entities and commercial vendors. The program awarded a competitive prototyping/development Other Transaction Authority (OTA) in 3QFY2020 to develop the initial Cyber SU capability. An OTA modification was awarded in June 2021, which extended the scope of the OTA to encompass See Your Cyber Battlespace and Understand Your Cyber Battlespace through Full Deployment FY2024. Program Office will facilitate the divestment of ongoing contract efforts beyond those that support delivery of the current build of Cyber SU software and support interfaced systems with the removal of Cyber SU software, as well as support the completion of training and engineering documentation of Government owned software.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>
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<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Systems Engineering/ Management	Various	CACI; DEVCOM; CECOM : APG, MD	4.878	1.962	Mar 2023	1.772	Mar 2024	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			4.878	1.962		1.772		-		-		-	Continuing	Continuing	N/A

**Remarks**  
FY 2025 funding decrease due to program divestment.

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Software Development	C/FFP	Research Innovations Inc (RII) : Alexandria, VA	39.331	11.357	Jan 2023	4.938	Nov 2023	-		-		-	Continuing	Continuing	-
Software Engineering	Various	CACI; DEVCOM DAC : APG, MD; Picatinny, NJ	3.728	2.117	Dec 2022	1.757	Dec 2023	-		-		-	Continuing	Continuing	-
Software Integration	Various	Various Matrix Orgs : APG, MD	6.494	3.077	Dec 2022	2.703	Dec 2023	-		-		-	Continuing	Continuing	-
Developmental Hardware and Software	C/Various	CHS; CHES; DITCO : APG, MD; Ft. Belvoir, VA; Scott APB, IL	3.636	0.465	Jan 2023	0.280	Oct 2023	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			53.189	17.016		9.678		-		-		-	Continuing	Continuing	N/A

**Remarks**  
FY 2025 funding decrease due to program divestment.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>
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<b>Support (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Training Development	Various	DLA; Parsons; ILSC : Philadelphia, PA; APG, MD	0.989	0.815	Jun 2023	1.540	Jan 2024	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			0.989	0.815		1.540		-		-		-	Continuing	Continuing	N/A

**Remarks**  
FY 2025 funding decrease due to program divestment.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Integration/Interoperability/Operational Assessment	Various	Future Skies; Decision Engineering; ATEC; CTSF : Picatinny, NJ; APG, MD; Ft. Hood, TX	1.084	0.206	Dec 2022	2.115	Nov 2023	-		-		-	Continuing	Continuing	-
IA/Test Support	C/FFP	CACI : APG, MD	1.740	0.823	Dec 2022	1.109	Nov 2023	-		-		-	Continuing	Continuing	-
Cybersecurity Assessments	Various	DEVCOM DAC; TSMO : APG, MD; Redstone Arsenal, AL	1.006	0.303	Nov 2022	0.367	Nov 2023	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			3.830	1.332		3.591		-		-		-	Continuing	Continuing	N/A

**Remarks**  
FY 2025 funding decrease due to program divestment.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	62.886	21.125	16.581	-	-	-	Continuing	Continuing	N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2025 Army</b>							<b>Date: March 2024</b>			
<b>Appropriation/Budget Activity</b> 2040 / 5			<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>			<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>				
	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	

**Remarks**  
Cyber SU will be divested in beginning FY 2025.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>			<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>	

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Development/Integration/Fixes- Capability Drop 1	[Blue Bar]																											
	Dev/Int./Fix-CD1																											
Testing-Capability Drop 1	[Blue Bar]																											
	Testing-CD1																											
Delivery of Capability Drop 1					▲ 1 Delivery-CD1																							
Development/Integration/Fixes- Final Development Cycle	[Blue Bar]				[Blue Bar]																							
	Dev/Int./Fix-Final Development Cycle				Testing-Final Development Cycle																							
Testing-Final Development Cycle					[Blue Bar]																							
					Testing-Final Development Cycle																							
Delivery of Final Development Cycle									▲ 2 Delivery-Final Development Cycle																			

**Note**  
Cyber SU will be hosted on the Tactical Server Infrastructure (TSI) and will be fielded by the CPCE/TSI program in accordance with the Army fielding schedule. Cyber SU delivery is defined as when Cyber SU provides the capability to CPCE/TSI to begin fielding.

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> CY5 / <i>CYBER Situational Understanding</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
RDP Approval	2	2019	2	2019
Milestone B Approval	3	2020	3	2020
Development/Integration/Fixes-Initial Capability Drop	3	2020	2	2022
Testing-Initial Capability Drop	2	2021	2	2022
Initial Capability Delivery	4	2022	4	2022
Development/Integration/Fixes- Capability Drop 1	4	2021	3	2023
Testing-Capability Drop 1	3	2022	3	2023
Delivery of Capability Drop 1	4	2023	4	2023
Development/Integration/Fixes- Final Development Cycle	4	2022	4	2024
Testing-Final Development Cycle	1	2024	4	2024
Delivery of Final Development Cycle	4	2024	4	2024

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<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
<i>EV5: Defensive CYBER Operations</i>	-	5.477	5.128	-	-	-	-	-	-	-	0.000	10.605
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

FY 2025 funding was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development to BA-08 PE 0608041A Project CD1 Defensive Cyber Software Prototype Development.

**A. Mission Description and Budget Item Justification**

Defensive Cyber Operations (DCO) supports the Army Network Modernization Strategy Line of Effort (LOE) Key Enabler for the Unified Network. These efforts are aligned to support the Network-Cross Functional Team capability set approach to achieve the network modernization strategy.

FY 2025 funding was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development to BA-08 PE 0608041A Project CD1 Defensive Cyber Software Prototype Development.

Defensive Cyber Tools and Analytics: DCO - DCO Development Environment (DCODE Forge)

Defensive Cyber Operations (DCO) consists of platform and software programs which are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. The employment of defensive capabilities creates specific effects in cyberspace through actions that allow commanders to achieve the following objectives: deter, destroy, and defeat enemy offensive cyberspace operations; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence. DCO supports the Army Cyber Command (ARCYBER), Information Warfare Operations Center (IWOC), (5) Regional Cyber Centers (RCCs), Cyber Warfare Battalion (CWB), Multi-Domain Task Force (MDTF), and Cyber Protection Teams (CPTs) in COMPO 2/3.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> DCO - Development Environment (formerly Forge)	5.477	5.128	-
<b>Description:</b> DCO Development Environment (DCODE) (formerly Forge) is both physical and virtual assets that provides continual integration, upgrade, assessment, optimization in support of the warfighter's operational environment. Its purpose is to provide centralized lifecycle management and consist of the following capabilities: 1) the physical and/or virtual assets that provide integration and assessment capabilities during the development and integration phases of operations. These assets are centrally managed in order to provide accountability, modernization, standardization, software updating and patching and security posture in order to maintain the Authority to Operate (ATO); 2) provides the capability for Cyber Protection Teams (CPTs) to remotely access multiple networks, simultaneously, thru a safe and secure infrastructure framework.			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> EV5 / <i>Defensive CYBER Operations</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b><i>FY 2024 Plans:</i></b>  FY2024 funding continues to provide physical and/or virtual assets that provide integration and assessment capabilities during the development and integration phases of operations. These assets are centrally managed in order to provide accountability, modernization, standardization, software updating and patching, and security posture in order to maintain the Authority to Operate (ATO). Delivery the capability for Cyber Protection Teams (CPTs) to remotely access multiple networks, simultaneously, through a safe and secure infrastructure framework while maintaining the security of the production environment. Perform the integration of containers into the GDP, and DDS-Ms.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b>  FY 2025 funding in the amount of \$5.494 million was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development to BA-08 PE 0608041A Project CD1 Defensive Cyber Software Prototype Development.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	5.477	5.128	-

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• B63103: <i>Advanced Cyber Tool Development</i>	-	13.848	0.000	-	0.000	-	-	-	-	Continuing	Continuing
• B66350: <i>ARCYBER DEFENSIVE CYBER OPERATIONS</i>	13.940	-	0.000	-	0.000	-	-	-	-	0.000	13.940
• B89001: <i>Insider Threat Program - Unit Activity Monitoring</i>	1.437	1.502	0.000	-	0.000	-	-	-	-	0.000	2.939
• 0608041A: <i>Defensive CYBER - Software Prototype Development</i>	92.460	83.570	74.548	-	74.548	80.023	80.554	80.747	80.752	0.000	572.654

**Remarks**  
OPA PE B63103 - DCO hardware procurement, fielding, and equipment training for Garrison DCO Platform (GDP), Deployable Defensive Systems (DDS), and DCODE Armory.  
OPA PE B66350 (New OPA budget line in FY2023 only) - DCO hardware procurement, fielding, and equipment training for GDP, DDS, and DCODE Armory.  
OPA PE B89001 - DCO Insider Threat Program - Unit Activity Monitoring for UAM operations conducted in support of the Army's insider threat program.  
RDTE PE 0608041A - Defensive Cyber Software Prototype Development.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> EV5 / <i>Defensive CYBER Operations</i>

**D. Acquisition Strategy**

The DCO Information System Initial Capabilities Document was approved on 19 December 2017 by the Army Requirements Oversight Council (AROC). DCO programs are under an IT Box construct with five-year term (FY2018-FY2022) which aligns with current Requirements Definition Packages (RDPs). IT Box establishes funding thresholds, by appropriation, for a program over a capability's projected lifecycle of five (5) years. FY2018-2022 IT Box expired in 4QFY2022. FY2023-2027 IT Box Revalidation Army Requirement Oversight Council Memorandum (AROCM) approved on 31 August 2023.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> EV5 / <i>Defensive CYBER Operations</i>
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<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DCO - DCO Development Environment (DCODE, formerly Forge (PEO EIS))	IA	ATEC & SEC & TOBYHANNA : Various	10.445	5.477	Jan 2023	5.128	Jan 2023	-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			10.445	5.477		5.128		-		-		-	Continuing	Continuing	N/A
<b>Project Cost Totals</b>			10.445	5.477		5.128		-		-		-	Continuing	Continuing	N/A

**Remarks**  
 FY 2025 funding in the amount of \$5.494 million was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development to BA-08 PE 0608041A Project CD1 Defensive Cyber Software Prototype Development.



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> EV5 / <i>Defensive CYBER Operations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DCO - Tactical DCO-Infrastructure (TDI) - RDP Approval	3	2018	3	2018
DCO - TDI Development/Integration/Testing-Initial	1	2019	4	2019
DCO - TDI- Initial Capability Delivery	1	2020	1	2020
DCO - TDI Development/Integration/Testing-CD 1	4	2019	4	2020
DCO - Development Environment (Forge)	1	2019	4	2024

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>				<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
XU3: <i>Tactical DCO-I</i>	-	6.427	6.005	4.176	-	4.176	4.261	4.146	4.193	4.235	0.000	33.443
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

This funding line is directly aligned to the Army Network Modernization Strategy.

Beginning in FY2023, TDI funding transitioned from 0608041A CD 1 Defensive Cyber- Software Prototype Development (BA-8 Software Pilot Program) to project code XU3 (Tactical DCO-I) within PE 0605041A Defensive CYBER Tool Development. TDI is funded with RDT&E only for development, engineering, testing, training development, and program management.

TDI FY2021-2022 funding is within PE 0608041A, Project code CD1 (BA8 Software Pilot). TDI FY2023 and beyond funding is within PE 0605041, Project code XU3 (Tactical DCO-I).

**A. Mission Description and Budget Item Justification**

TDI is a software only program that pre-configures DCO applications to allow local and remote Cyber defenders the ability to conduct cyberspace surveillance and maneuver against an adversary traversing within the tactical network. The TDI capability is hosted on the Army's Tactical Server Infrastructure (TSI) and resides within the Command Post at the tactical level (Brigade to Army Service Component Commands (ASCC)).

The TDI capability includes: 1) Mission Protection: Ability to automate deployment of DCO tools to protect the virtual server environment of the Command Post Computing Environment (CPCE). 2) Discovery/Counter-Infiltration: Ability to auto detect multiple virtual cyber threats and facilitate the mitigation/denial of adversarial actions. 3) Cyberspace Support/Readiness: Allow global and regional cyberspace defenders to assist units with countering advanced persistent threats.

TDI follows a five-year, Information Technology (IT) Box construct to deliver capability over time, based on approved requirements. In IT Box (FY 2023-2027), TDI will develop Capability Releases (CR) (CR 1 - CR 4) to implement TDI software change activities and updates to provide value to Brigades to ASCCs. CR 1 will collate and aggregate TDI data from various echelons and present it into a rolled-up status with dashboards reflecting various roles and responsibilities. CR 2 will integrate Security Orchestration, Automation, and Response (SOAR) and with Big Data Platform (BDP) to initiate alignment with the Army's tactical data fabric efforts. CR 3 will leverage Artificial Intelligence/Machine Learning (AI/ML) models generated from BDP and implement it at the tactical edge. CR 4 will support capabilities and technologies to address emerging cyber threats and techniques, tactics, and procedures (TTPs).

TDI FY 2025 funding supports the completion of development, engineering, testing, training development, and program management for CR 2 and initiation of development and engineering for CR 3.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b>Title:</b> Development Engineering</p> <p><b>Description:</b> Efforts include development engineering and integration required for DCO tools to be utilized on the Tactical Network.</p> <p><b>FY 2024 Plans:</b> FY2024 funding supports the completion of development engineering and integration of Capability Release 1 (CR 1) in support of 4QFY2024 delivery. CR 1 will collate and aggregate TDI data from various echelons and present it into a rolled-up status with dashboards reflecting various roles and responsibilities. Funding will also support the continued development of CR 2 in support of FY 2025 delivery. CR 2 will integrate Security Orchestration, Automation, and Response (SOAR) and with Big Data Platform (BDP) to initiate alignment with the Army's tactical data fabric efforts.</p> <p><b>FY 2025 Plans:</b> FY 2025 funding supports the completion of development engineering and integration of CR 2, including development engineering to collate and aggregate TDI data from various echelons; convergence with Tactical Data Fabric to align with Army Data Strategies, and implement Security Operations, Automated Response (SOAR). This will include updated security artifacts needed to process the Security Impact Assessment and maintain an Authority to Operate. In addition, development and integration efforts will begin for CR 3.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease due to reduced costs to the development engineering as it no longer requires automation across additional multiple Security Classification Domain Services.</p>		4.213	4.059	2.415
<p><b>Title:</b> Systems Test and Evaluation</p> <p><b>Description:</b> Efforts include the planning and execution of T&amp;E events including Developmental Test, recurring developmental operations (DEVOPS) Soldier Touch Points, continuous Interoperability Testing, Software Acceptance Testing, Integration Events, Risk Reduction Events, Information Assurance, collaboration tool maintenance and User Tests/Evaluations.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding will allow for the operational testing and cybersecurity testing of the TDI CR 1 capability in order to support delivery in 4QFY2024. Funding will also support developmental testing of the TDI CR 2 capability.</p> <p><b>FY 2025 Plans:</b> FY 2025 funding provides for the completion of developmental testing and operational testing and cybersecurity testing of the TDI CR 2 capability to support delivery in 4QFY2025.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b></p>		0.842	0.993	1.082

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
FY 2024 to FY 2025 funding increase represents a minor increase due to economic assumptions.				
<p><b>Title:</b> Training Development</p> <p><b>Description:</b> The development of training support products, including coordination with US Army Training and Doctrine Command (TRADOC) US Army Cyber Command, PORs, and related organizations to develop applicable program of instruction.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding provides for the development of the New Equipment Training (NET) support package to include verification/validation, software user manuals/technical manuals and virtual training in support of TDI CR 2 delivery in FY 2025.</p> <p><b>FY 2025 Plans:</b> FY 2025 funding provides for the development of the New Equipment Training (NET) support package to include verification/validation, software user manuals/technical manuals and virtual training in support of TDI CR 3 delivery in FY2026.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease due to pivot to virtual training for the product updates.</p>		0.767	0.521	0.294
<p><b>Title:</b> Systems Engineering/Management</p> <p><b>Description:</b> Systems Engineering/Management includes business, technical and logistical staff support and overall management of program execution, major events and reporting.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding provides for program office staff (matrix and contractor) continued program execution support and to perform duties necessary to plan and execute activities and milestone events leading up to CR 1 delivery in 4QFY2024.</p> <p><b>FY 2025 Plans:</b> FY 2025 funding provides for program office staff (matrix and contractor) continued program execution support, development, engineering, and to perform duties necessary to plan and execute activities and milestone events leading up to CR 2 delivery in 4QFY2025.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease due to reduction in support needed for Development Engineering activities.</p>		0.605	0.432	0.385
<b>Accomplishments/Planned Programs Subtotals</b>		6.427	6.005	4.176
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>

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

**Remarks**

**D. Acquisition Strategy**

The Milestone Decision Authority (MDA), approved the TDI Materiel Development Decision (MDD) on 13 April 2018, designating Tactical DCO Infrastructure (TDI) as an Acquisition Category (ACAT) III program. In July 2019, the MDA approved an execution strategy based on a tailored defense unique software intensive acquisition approach and designated the Full Deployment Decision (FDD) as the entry point into the acquisition life cycle. The FDD was approved on 30 September 2019. On 23 November 2021, the MDA re-designated TDI an ACAT IV program based on cost and low risk and complexity, and delegation MDA to the Project Manager (PM) Mission Command.

The TDI program requirements were approved under an Information Technology (IT) Box construct with a five (5) year term, with multiple capability deliveries expected within each IT Box. Full Deployment is defined as when TDI has completed the development and testing of the last capability release within the IT Box and has transferred that capability to the Command Post Computing Environment/Tactical Services Infrastructure (CPCE/TSI) program for fielding.

Full Deployment for the first IT Box (FY 2018-FY 2022), which consisted of three Capability Drops, was achieved with the delivery of CD 3.

IT Box #2 (FY 2023-FY 2027) consists of multiple Capability Releases (CRs) intended to implement TDI software change activities and updates aimed at providing value to Brigades - ASCCs more quickly. The CRs include software enhancements, and maintenance (defect repair, adaptations, updates, and reconfiguration) and cybersecurity updates. CR 1 will collate and aggregate TDI data from various echelons and present it into a rolled-up status with dashboards reflecting various roles and responsibilities. CR 2 will integrate Security Orchestration, Automation, and Response (SOAR) and Big Data Platform (BDP) to initiate alignment with the Army's tactical data fabric efforts. CR 3 will leverage existing Artificial Intelligence/Machine Learning (AI/ML) models generated from BDP for the tactical edge. CR 4 will support capabilities and technologies to address emerging cyber threat and techniques, tactics, and procedures (TTPs).

TDI utilizes a combination of government entities and commercial vendors to develop and integrate software capabilities. TDI is hosted on the Tactical Server Infrastructure (TSI) and fielded by the CPCE/TSI program in accordance with the Army fielding schedule.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>
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<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Systems Engineering/ Management	Various	CACI; CECOM : APG, MD	3.323	1.205	Dec 2022	0.432	Dec 2023	0.385	Dec 2024	-		0.385	Continuing	Continuing	-
<b>Subtotal</b>			3.323	1.205		0.432		0.385		-		0.385	Continuing	Continuing	N/A

**Remarks**  
Decrease due to reduction in support needed for Development Engineering activities.

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Software Development	C/TBD	Contract will be re-competed through OTA : TBD	16.434	2.648	Mar 2023	2.773	Dec 2023	1.496	Dec 2024	-		1.496	Continuing	Continuing	-
Software Engineering	Various	CECOM; CACI; PEO C3T : APG, MD	5.078	1.472	Nov 2022	1.142	Nov 2023	0.668	Nov 2024	-		0.668	Continuing	Continuing	-
Developmental Hardware/ Software	Various	CHS;CHESS : Ft. Belvoir, VA	2.122	0.193	Jan 2023	0.144	Jan 2024	0.251	Jan 2025	-		0.251	Continuing	Continuing	-
<b>Subtotal</b>			23.634	4.313		4.059		2.415		-		2.415	Continuing	Continuing	N/A

**Remarks**  
Decrease due to reduced costs to the development engineering as it no longer requires automation across additional multiple Security Classification Domain Services.

<b>Support (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Training Development	Various	DLA;ILSC : Philadelphia, PA; APG, MD	0.719	0.367	Jun 2023	0.521	Nov 2023	0.294	Nov 2024	-		0.294	Continuing	Continuing	-
<b>Subtotal</b>			0.719	0.367		0.521		0.294		-		0.294	Continuing	Continuing	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>
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<b>Support (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

**Remarks**  
Decrease due to pivot to virtual training for the product updates.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Systems Test and Evaluation	Various	CACI; ATEC; CTSF : APG, MD; Ft. Hood TX	2.740	0.542	Dec 2022	0.993	Nov 2023	1.082	Nov 2024	-		1.082	Continuing	Continuing	-
<b>Subtotal</b>			2.740	0.542		0.993		1.082		-		1.082	Continuing	Continuing	N/A

**Remarks**  
Minor increase due to economic assumptions.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	30.416	6.427	6.005	4.176	-	4.176	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Testing - CD 3	[Redacted]																											
Delivery of CD 3	Testing - CD 3				1 Delivery - CD3																							
Development/Integration/Fixes - CR 1	[Redacted]				Dev/Int./Fix - CR 1																							
Testing - CR 1	[Redacted]				Testing - CR 1																							
Delivery of CR 1	[Redacted]				2 Delivery - CR 1																							
Development/Integration/Fixes - CR 2					[Redacted]				Dev/Int./Fix - CR 2																			
Testing - CR 2					[Redacted]				Testing - CR 2																			
Delivery of CR 2									3 Delivery - CR 2																			
Development/Integration/Fixes - CR 3									[Redacted]				Dev/Int./Fix- CR 3															
Testing - CR 3									[Redacted]				Testing - CR 3															
Delivery of CR 3													4 Delivery - CR 3															
Development/Integration/Fixes - CR 4													[Redacted]				Dev/Int./Fix - CR 4											
Testing - CR 4													[Redacted]				Testing - CR 4											

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Delivery of CR 4																	5											
Development/Integration/Fixes - CR 5																	Delivery - CR 4											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605041A / <i>Defensive CYBER Tool Development</i>	<b>Project (Number/Name)</b> XU3 / <i>Tactical DCO-I</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Testing - CD 3	1	2023	2	2023
Delivery of CD 3	3	2023	3	2023
Development/Integration/Fixes - CR 1	3	2023	3	2024
Testing - CR 1	4	2023	3	2024
Delivery of CR 1	4	2023	4	2023
Development/Integration/Fixes - CR 2	3	2024	3	2025
Testing - CR 2	4	2024	3	2025
Delivery of CR 2	4	2025	4	2025
Development/Integration/Fixes - CR 3	4	2025	4	2026
Testing - CR 3	1	2026	4	2026
Delivery of CR 3	4	2026	4	2026
Development/Integration/Fixes - CR 4	1	2027	4	2027
Testing - CR 4	2	2027	4	2027
Delivery of CR 4	4	2027	4	2027
Development/Integration/Fixes - CR 5	1	2028	4	2028

**Note**

TDI is hosted on the Tactical Server Infrastructure (TSI) and fielded by the Command Post Computing Environment/Tactical Services Infrastructure (CPCE/TSI) program in accordance with the Army fielding schedule. TDI delivery is defined as when TDI provides the capability to CPCE/TSI to begin fielding.