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

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| <b>Appropriation/Budget Activity</b><br>2040: Research, Development, Test & Evaluation, Army / BA 8: Software and Digital Technology Pilot Programs | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / Defensive CYBER - Software Prototype Development |
|---|--|

| 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                              | -           | 92.460  | 83.570  | 74.548       | -           | 74.548        | 80.023  | 80.554  | 80.747  | 80.752  | Continuing       | Continuing |
| CD1: Defensive Cyber - Software Prototype Devel    | -           | 83.921  | 83.570  | 74.548       | -           | 74.548        | 80.023  | 80.554  | 80.747  | 80.752  | Continuing       | Continuing |
| DD2: Joint Cyber Warfighting Architecture Software | -           | 8.539   | -       | -            | -           | -             | -       | -       | -       | -       | 0.000            | 8.539      |

**Note**

FY 2025 funding in the amount of \$23.339 million was realigned from PE 0605041A/ Defensive CYBER Tool Development, Project EV5/ Defensive CYBER Operations, PE 0128B63000 Defensive Cyber Operations, and PE 0131B89000 Insider Threat Program-Unit Activity Monitoring to BA-08 PE 060841A Project CD1 Defensive Cyber Software Prototype Development.

PE 0608041A Project DD2 Joint Cyber Warfighting Architecture Software has no funding request in FY 2025 and outyears.

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

Defensive Cyber Operations (DCO) programs are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. The employment of defensive capabilities achieves the following objectives: deter, destroy and defeat cyberspace threats; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence.

Defensive Cyber Operations (DCO) consists of platform and software programs which are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. DCO supports the Army Cyber Command (ARCYBER), Information Warfare Operations Center (IWOC), FORSCOM, (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.

Defensive Cyber Tools and Analytics:

- \* DCO - Cyberspace Analytics - (PEO EIS) - Strategic Level
- \* DCO - Mission Planning - (PEO EIS) - Strategic Level (Program sunseting in FY 2023)
- \* DCO - Tools Suite - (PEO EIS) - Garrison/Tactical Level
- \* DCO - User Activity Monitoring - (PEO EIS) - Strategic Level
- \* DCO - Forensics and Malware Analysis - (PEO EIS) - Garrison/Tactical Level
- \* DCO - Threat Emulation - (PEO EIS) - Strategic Level
- \* DCO - DCO Development Environment (DCODE) (Forge/Armory) - (PEO EIS)
- \* DCO - Counter Infiltration - (PEO EIS) - Garrison/Tactical Level
- \* ARCYBER Rapid Cyber Prototyping - (ARCYBER) - Strategic Level

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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><br>2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 8: Software and Digital Technology Pilot Programs</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> |
|--|---|

Platforms/Levels:  
 \* DCO - Garrison DCO Platform - (PEO EIS) - Base Level  
 \* DCO - Defensive DCO Systems - (PEO EIS) - Tactical/Command Post Level

| <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                       | 94.831         | 83.570         | 72.059              | -                  | 72.059               |
| Current President's Budget                        | 92.460         | 83.570         | 74.548              | -                  | 74.548               |
| Total Adjustments                                 | -2.371         | 0.000          | 2.489               | -                  | 2.489                |
| • Congressional General Reductions                | -              | -              |                     |                    |                      |
| • Congressional Directed Reductions               | -              | -              |                     |                    |                      |
| • Congressional Rescissions                       | -              | -              |                     |                    |                      |
| • Congressional Adds                              | -              | -              |                     |                    |                      |
| • Congressional Directed Transfers                | -              | -              |                     |                    |                      |
| • Reprogrammings                                  | -2.371         | -              |                     |                    |                      |
| • SBIR/STTR Transfer                              | -              | -              |                     |                    |                      |
| • Adjustments to Budget Years                     | -              | -              | 2.489               | -                  | 2.489                |

**Change Summary Explanation**

FY 2025 funding increase reflects a realignment. It is a continuation of effort previously included within PE 0605041A Project EV5 Defensive Cyber Tool Development, PE 0128B63000 Defensive Cyber Operations, and PE 0131B89000 Insider Threat Program-Unit Activity Monitoring.

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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><br>2040 / 8                   |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> |                      |                |                | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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> |
| CD1: <i>Defensive Cyber - Software Prototype Devel</i>             | -                  | 83.921         | 83.570         | 74.548              | -   | 74.548               | 80.023         | 80.554         | 80.747  | 80.752                  | Continuing              | Continuing        |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -   | -                    | -              | -              | -   | -                       |                         |                   |

**Note**

FY 2025 funding in the amount of \$23.339 million was realigned from PE 0605041A Project EV5 Defensive Cyber Tool Development, PE 0128B63000 Defensive Cyber Operations, and PE 0131B89000 Insider Threat Program-Unit Activity Monitoring to BA-08 PE 060841A Project CD1 Defensive Cyber Software Prototype Development.

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

Defensive Cyber Operations (DCO) programs are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. The employment of defensive capabilities achieves the following objectives: deter, destroy and defeat cyberspace threats; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence.

Defensive Cyber Operations (DCO) consists of platform and software programs which are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. DCO supports the Army Cyber Command (ARCYBER), Information Warfare Operations Center (IWOC), FORSCOM, (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.

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- \* DCO - Tools Suite - (PEO EIS) - Garrison/Tactical Level
- \* DCO - User Activity Monitoring - (PEO EIS) - Strategic Level
- \* DCO - Forensics and Malware Analysis - (PEO EIS) - Garrison/Tactical Level
- \* DCO - Threat Emulation - (PEO EIS) - Strategic Level
- \* DCO - DCO Development Environment (DCODE) (Forge/Armory) - (PEO EIS)
- \* DCO - Counter Infiltration - (PEO EIS) - Garrison/Tactical Level
- \* ARCYBER Rapid Cyber Prototyping - (ARCYBER)

Platforms/Levels:

- \* DCO - Garrison DCO Platform - (PEO EIS) - Base Level
- \* DCO - Deployable DCO System - (PEO EIS) - Tactical/Command Post Level

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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><br>2040 / 8  | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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> Defensive Cyber Operations - Cyber Analytics (PEO EIS)</p> <p><b>Description:</b> DCO Cyberspace Analytics Big Data Platform (BDP) is a scalable software-based capability hosted in the cloud, called Gabriel Nimbus (GN), which offers interfaces and visualization accessible by cyberspace defenders at all levels to facilitate counter-reconnaissance activities meant to discover the presence of advanced or sophisticated cyber threats and vulnerabilities.</p> <p><b>FY 2024 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5). FY 2024 funds managed professional services, hardware integration, LEAP/LTAC fielding and testing, security updates, system support, patches, and Rapid Analytic Deployment Management Framework (RADMF) licenses for management, orchestration, and continuous modernization of Gabriel Nimbus up to 14.7 petabytes (PB). Additionally, FY 2024 funds supports the continuous development of BDP applications and analytics to include the associated engineering, integration, cybersecurity, testing, and training for new capability releases through the Cyberspace Analytics Development Support Contract.</p> <p><b>FY 2025 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5). FY 2025 funds manage professional services, continue Lower Echelon Analytic Platform (LEAP) / LEAP Tactical (LTAC) and hardware integration, security updates, system support, patches, and Rapid Analytic Deployment Management Framework (RADMF) licenses for orchestration, and continuous modernization of Gabriel Nimbus (GN) Expansion up to 14.7 petabytes (PB). Additionally, FY 2025 funds support the continuous development of BDP applications and analytics to include the associated engineering, integration, cybersecurity, testing, and training for new capability releases through the Cyberspace Analytics Development Support Contract.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>FY 2025 funding increased to support the development of BDP applications and analytics to include the associated engineering, integration, cybersecurity, testing, training for new capability releases, and continuous modernization through the Cyberspace Analytics Development Support Contract and development of an organic BDP management and orchestration tool.</p> |   | 28.190  | 22.106         | 28.100         |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Tools Suite (PEO EIS)</p> <p><b>Description:</b> DCO Tools Suite is a flexible and dynamic software based suite of warfighting capabilities that enables Cyber Protection Teams (CPTs), Regional Cyber Centers (RCCs), and in some cases local defenders to perform DCO and cybersecurity actions. DCO tools consists of prepositioned and tailorable software packages that are integrated and available at all echelons to support or directly cause effects through the execution of Cyber Mission Force (CMF) and cyberspace workforce tasks. They are executed or managed within a DCO platform.</p> <p><b>FY 2024 Plans:</b></p>  |   | 18.890  | 22.963         | 13.750         |

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| <b>Appropriation/Budget Activity</b><br>2040 / 8   | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |   | <b>FY 2023</b>  | <b>FY 2024</b> | <b>FY 2025</b> |
| <p>Prior to BA8 Pilot program, this capability would have been funded with OPA funding (PE 0128B63000) and OMA funding.<br/> FY 2024 OPA Plans: \$2.985 million<br/> FY 2024 OMA Plans: \$19.978 million<br/> FY 2024 funding continues to support new tools, training, license renewals, and professional services.</p> <p><b>FY 2025 Plans:</b><br/> Prior to BA8 Pilot program, this capability would have been funded with OMA funding.<br/> FY 2025 funding continues to support (87) fielded Deployable DCO System (DDS) Kits, and (47) fielded Garrison DCO Platform (GDP) operating systems (OS). The DDS and GDP capabilities require virtual OS to run DCO Tools on the hardware platforms. Additionally, FY 2025 funding also supports Security Information and Event Management (SIEM) and the hypervisor that runs through the OS.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/> Army requirement for additional DCO Tools delayed until FY 2026 and beyond thereby reducing FY 2025 funding.</p>  |   |   |                |                |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - User Activity Monitoring (PEO EIS)</p> <p><b>Description:</b> DCO User Activity Monitoring (UAM) is the primary capability within the Army's overall Insider Threat (InT) program. UAM is mainly a software-based, scalable solution that has an on-premise solution and a cloud solution. It proactively identifies and mitigates internal risks associated with the theft or misuse of critical, mission essential data. It utilizes an integrated approach with a centralized UAM cell sending data to a core Insider Threat Hub.</p> <p><b>FY 2024 Plans:</b><br/> Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5).<br/> FY 2024 funding supports continued hardware maintenance, system security updates and patching, and software licenses for the current COTS UAM tool suite of the on-premises UAM (UAM-P) capability and migration of data to the Army's Big Data Platform to support the deployment of the UAM-C capability. Additionally, FY 2024 funding supports the hardware maintenance, system security updates and patching, and software licenses for the UAM Special Access Program (SAP) solution fielded in FY 2023. FY 2024 funding also supports the continued development, engineering, testing, accreditation, and integration of the Big Data Platform (BDP) applications to deploy the UAM-C capability to replace the current UAM-P capability.</p> <p><b>FY 2025 Plans:</b><br/> Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5).<br/> FY 2025 funding supports hardware maintenance, system security updates and patching, software licenses, and data migration from the COTS UAM tool suite of the on-premises UAM (UAM-P) capability to the GOTS cloud UAM (UAM-C) during migration and integration to the cloud and the Army's Big Data Platform (BDP). Additionally, FY 2025 funding supports the hardware maintenance, system security updates and patching, and software licenses for the UAM Special Access Program (SAP) capability</p> |   | 9.602   | 10.514         | 11.000         |

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| <b>Appropriation/Budget Activity</b><br>2040 / 8   | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |   | <b>FY 2023</b>  | <b>FY 2024</b> | <b>FY 2025</b> |
| <p>fielded in FY 2023. FY 2025 funding also supports the continued development, engineering, testing, accreditation, and integration of the GOTS UAM Endpoint Collection Tool application to fully deploy the UAM-C capability into the BDP and eliminate COTS license dependencies.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>FY 2025 funding increased to support UAM continuous modernization.</p>  |   |   |                |                |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Forensics and Malware Analysis (PEO EIS)</p> <p><b>Description:</b> DCO Forensics and Malware Analysis (F&amp;MA) capability is a software/hardware based solution enabling global, regional, and local cyberspace defenders to perform forensics either remotely or locally. Forensics is evidence related and Malware capabilities provides a sandboxlike, virtual environment that allows for the conduct of real-time, automated and dynamic malware decomposition and behavior analysis. Forensics gives cyberspace defenders the ability to collect, process, search, and analyze evidence from portable electronic devices, removable media, system hard drives, and random access memory. This process rapidly triages an incident and place the impacted system(s) back in service.</p> <p><b>FY 2024 Plans:</b><br/>Prior to BA8 Pilot program, this capability would have been funded with OMA funding. FY 2024 funding supports annual licenses renewals, maintenance, professional services for completion of fielding, and program support costs.</p> <p><b>FY 2025 Plans:</b><br/>Prior to BA8 Pilot program, this capability would have been funded with OMA funding. FY 2024 funding supports annual licenses renewals, maintenance, professional services for completion of fielding, and program support costs.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>Army requirement for Forensics and Malware Analysis capability delayed until FY 2026 and beyond thereby reducing FY 2025 funding.</p> |   | 1.007   | 2.477          | 1.100          |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Threat Emulation (PEO EIS)</p> <p><b>Description:</b> DCO Threat Emulation capability is a software based suite of tools used to gain access to evaluated networks through multi-vectors of unknown, partially known, or known access methods. Threat Emulation will enable the implementation of real world threat tactics, techniques, and procedures (TTPs) against risk areas such as web services, endpoints, passwords and identities, phishing and social engineering, mobile devices, and wired/wireless network systems in order to reveal critical security exposures.</p>   |   | -   | 5.239          | -              |

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| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> |
|--|----------------|----------------|----------------|
| <p><b>FY 2024 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5). FY 2024 funds yearly licenses to support 25 On-Premises VM Management Consoles and Network Modules and up to the 10,000 endpoint agents needed to operate Threat Emulation software fielded at all designated locations. Additionally, FY 2024 funds system security updates, patches, and continuous modernization of the Threat Emulation software.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>Army requirement for Threat Emulation capability delayed until FY 2026 and beyond thereby reducing FY 2025 funding.</p>   |                |                |                |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - DCO Development Environment (Forge/Armory) (PEO EIS)</p> <p><b>Description:</b> DCO Development Environment (DCODE) (Forge/Armory) are both physical and virtual assets that provide continual integration, upgrade, assessment, optimization in support of the warfighter's operational environment. Purpose is to provide centralized lifecycle management and consist of the following capabilities: 1) 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) provide the capability for Cyber Protection Teams (CPTs) to remotely access multiple networks, simultaneously, thru a safe and secure infrastructure framework.</p> <p><b>FY 2025 Plans:</b><br/>Prior to BA8 Pilot program, this capability would have been funded with RDTE funding (PE 0605041A EV5), and OPA funding (PE 0128B63000). FY 2025 DCODE funding continues to provide tiered support for deployable systems for cyber mission and service retained forces, development and maintenance of deployable software, and tool integration and engineering.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>FY 2025 DCODE funding is a realignment. It is a continuation of effort previously included within PE 0128B63000 Defensive Cyber Operations, and PE 0605041A Project EV5 Defensive Cyber Tools Development</p> | 7.369          | -              | 8.800          |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Counter Infiltration (PEO EIS)</p> <p><b>Description:</b> Counter Infiltration (formerly Threat Deception) supports the global defenders the ability to conduct Counter Infiltration operations to detect and respond to advanced persistent threat (APT) within the defended network enclave. Our Cyber Defenders employ this capability to conduct defensive cyberspace operations (DCO) internal defensive measures (DCO-IDM) to detect and respond to adversary malicious presence and actions. This capability provides the functional ability conduct DCO-IDM using deception tactics, techniques, and procedures (TTP). This capability provides the means employing fundamental military principles of deception (ways) to conduct effective DCO-IDM mission.</p>  | -              | 1.833          | -              |

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| <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><br/>Prior to BA8 Pilot program, this capability would have been funded with OPA funding (PE 0128B63000). FY 2024 funding supports the procurement of 25,000 licenses per Regional Cyber Center (RCC).</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b><br/>Army requirement for Counter Infiltration capability delayed until FY 2026 and beyond thereby reducing FY 2025 funding.</p>   |                |                |                |
| <p><b><i>Title:</i></b> Defensive Cyber Operations (DCO) - Garrison DCO Platform - Next Generation (PEO EIS)</p> <p><b><i>Description:</i></b> The Garrison DCO Platform (GDP) is a system that provides the Army's cyberspace defenders with the capability to defend garrison network environments from a remote location. It ingests data via Test Access Points (TAPs), enables the employment of the software tools necessary to compute and analyze the data, and offers a storage and forwarding capability to ensure necessary data is retained locally or easily accessible via the Big Data Platform (BDP).</p> <p><b><i>FY 2024 Plans:</i></b><br/>Prior to BA8 Pilot program, this capability was funded with OPA funding (PE 0128B63000). FY 2024 funding supports the research and development of the next generation / enhancement of the GDP and continued procurement of the capability.</p> <p><b><i>FY 2025 Plans:</i></b><br/>Prior to BA8 Pilot program, this capability would have been funded with OPA funding (PE 128B63000). FY 2025 funding supports GDP hardware integration and support for fielded systems.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b><br/>Army requirement for additional GDP systems delayed until FY 2026 and beyond thereby reducing FY 2025 funding.</p> | 4.369          | 7.002          | 2.800          |
| <p><b><i>Title:</i></b> Defensive Cyber Operations (DCO) - Deployable DCO System (PEO EIS)</p> <p><b><i>Description:</i></b> Deployable DCO System - Modular (DDS-M) is a multi-configurable air transportable deployable kit supports DCO deployed missions. DDS-M has the hardware/software capability that serves as primary weapon system for our Army's Cyber Protection Teams (CPTs) to conduct the DCO mission on the Department of Defense Information Network (DoDIN).</p> <p><b><i>FY 2025 Plans:</i></b><br/>Prior to BA8 Pilot program, this capability would have been funded with OPA funding (PE 0128B63000). FY 2025 Deployable DCO System funding provides continuous operational support to fielded systems.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b></p>  | -              | -              | 0.900          |

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| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |   | <b>FY 2023</b>  | <b>FY 2024</b> | <b>FY 2025</b> |
| FY 2025 Deployable DCO System funding is a realignment. It is a continuation of effort previously included within PE 0128B63000 Defensive Cyber Operations.  |   |   |                |                |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Management Services (PEO EIS)</p> <p><b>Description:</b> Funding provides program management services and support from a mix of government matrix and contractors that perform mission critical implementation, fielding, system engineering, logistics, programmatic, and acquisition support for nine ACAT IV programs in various phases of development and production.</p> <p><b>FY 2024 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5) and OPA funding (PE 0128B63000).<br/>FY 2024 funding provides continued program management services and support from a mix of government matrix personnel and contractor that perform mission critical implementation, fielding, system engineering, logistics, programmatic, and acquisition support for eight ACAT IV programs in various phases of development and production.</p> <p><b>FY 2025 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5) and OPA funding (PE 0128B63000).<br/>FY 2025 funding provides program management services and support from a mix of government matrix personnel and contractor that perform mission critical implementation, fielding, system engineering, logistics, programmatic, and acquisition support in various phases of development and production.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b><br/>Army delay in procuring additional DDS and GDP systems, DCO Tools, Forensics and Malware Analysis, Threat Emulation and Counter Infiltration capabilities until FY 2026 and beyond reduced FY 2025 funding for program management services.</p> |   | 14.494  | 10.136         | 6.798          |
| <p><b>Title:</b> Defensive Cyber Operations (DCO) - Rapid Cyber Prototyping (ARCYBER)</p> <p><b>Description:</b> ARCYBER Rapid Cyber Prototyping program provides the ability to very quickly identify, prototype, pilot, and assess cutting-edge non-program-of-record cyber-operations peculiar technologies and capabilities against ARCYBER's realistic environments and data to tailor capabilities and prototypes to ARCYBER's needs.</p> <p><b>FY 2024 Plans:</b><br/>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5).<br/>ARCYBER plans to focus its FY 2024 rapid cyber prototyping efforts on identifying and assessing novel non-program-of-record defensive cyberspace operations and big data platform-related solutions for automated vulnerability and anomaly detection, network monitoring and visualization, and advanced modeling and predictive analytics. ARCYBER will continue to mature</p>  |   | -   | 1.300          | 1.300          |

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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><br>2040 / 8                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> |
|---|----------------|----------------|----------------|
| its Cyber Fusion Innovation Center (CFIC) by increasing industry and academia outreach to drive ARCYBER, industry, and academia collaboration on state-of-the-art approaches to cyber operations problem-sets.  |                |                |                |
| <b><i>FY 2025 Plans:</i></b><br>Prior to BA8 Pilot program, this capability was funded with RDTE funding (PE 0605041A EV5).<br>FY 2025 funding supports continuous ARCYBER rapid cyber prototyping efforts on identifying and assessing novel non-program-of-record defensive cyberspace operations and big data platform-related solutions for automated vulnerability and anomaly detection, network monitoring and visualization, and advanced modeling and predictive analytics. ARCYBER will continue to mature its Cyber Fusion Innovation Center (CFIC) by increasing industry and academia outreach to drive ARCYBER, industry, and academia collaboration on state-of-the-art approaches to cyber operations problem-sets. |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 83.921         | 83.570         | 74.548         |

| <b>C. Other Program Funding Summary (\$ in Millions)</b>           |                |                |                         |                        |                          |                |                |                |                |                             |                   |
|--|----------------|----------------|-------------------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|-----------------------------|-------------------|
| <b>Line Item</b>   | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025<br/>Base</b> | <b>FY 2025<br/>OCO</b> | <b>FY 2025<br/>Total</b> | <b>FY 2026</b> | <b>FY 2027</b> | <b>FY 2028</b> | <b>FY 2029</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • B63103: <i>Advanced Cyber Tool Development</i>                   | -              | 13.848         | 0.000                   | -                      | 0.000                    | -              | -              | -              | -              | 0.000                       | 13.848            |
| • 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             |
| • 0605041A: <i>Defensive CYBER Tool Development</i>                | 33.029         | 27.714         | 4.176                   | -                      | 4.176                    | 4.261          | 4.146          | 4.193          | 4.235          | 0.000                       | 81.754            |

**Remarks**  
 OPA PE B63103 - DCO hardware procurement, fielding, and new equipment training for Garrison DCO Platform (GDP), Deployable Defensive Systems (DDS), and DCODE Armory.  
 OPA PE B66350 (FY 2023 only) - DCO hardware procurement, fielding, and new 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 0605041A Project EV5 - DCO platform infrastructure, integration, and assessments.

**D. Acquisition Strategy**  
 The DCO Information System Initial Capabilities Document (IS ICD) 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 (FY 2018-2022) which aligns with current Requirements Definition Packages (RDPs). IT Box establishes

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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><br>2040 / 8  | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |
| <p>funding thresholds, by appropriation, for a program over the capability's projected lifecycle of five (5) years. FY 2018-2022 IT Box expired in 4Q FY 2022. FY 2023-2027 IT Box Revalidation Army Requirement Oversight Council Memorandum (AROCM) approved on 31 August 2023.</p> <p>The ARB approved GDP and DDS on 27 February 2018; Cyber Analytics and DCO Tool Suite RDPs on 18 May 2018; Mission Planning on 8 November 2018 (sunsetting in FY 2023); User Activity Monitoring and Forensics and Malware Analysis on 18 March 2019; Threat Emulation on 24 August 2020; and Counter Infiltration on 10 February 2023. The MDA designated these as ACAT IV programs. Under subsequent reviews, the MDA approved agile acquisition approach to develop and deliver pre-configured software in a series of releases and capability drops in order to deliver full functional values of the RDP that align with DCO priorities. DCO programs utilize standard and FY 2018 National Defense Authorization Act (NDAA) Section 874 agile pilot evolutionary acquisition processes (30-90 rapid acquisition approach). DCO continually delivers new technologies and capabilities as a prototype and fields updated capabilities. DCO contract strategy utilizes multiple existing contracts vehicles to include Other Transactional Authority (OTA), Federal Acquisition Regulation (FAR)-based, Blanket Purchase Agreement (BPA), and Basic Ordering Agreement (BOA).</p> |   |   |

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

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| <b>Appropriation/Budget Activity</b><br>2040 / 8 | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Dev</i> |
|--|---|---|

| <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          |                  |            |                          |
| DCO - Management Services (PEO EIS)         | Various                | Various : Various              | 19.676      | 14.494  | Mar 2023   | 10.136  | Mar 2024   | 6.798        | Mar 2025   | -           |            | 6.798         | Continuing       | Continuing | -                        |
| <b>Subtotal</b>                             |                        |                                | 19.676      | 14.494  |            | 10.136  |            | 6.798        |            | -           |            | 6.798         | Continuing       | Continuing | N/A                      |

| <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          |                  |            |                          |
| DCO - Cyber Analytics                       | C/FFP                  | Army Contracting Command - Rock Island (ACC-RI) : Rock Island, IL | 51.826      | 28.190  | Feb 2023   | 22.106  | Jan 2024   | 28.100       | Jan 2025   | -           |            | 28.100        | Continuing       | Continuing | -                        |
| DCO - Mission Planning                      | C/FFP                  | ACC-RI : Rock Island, IL  | 3.195       | -       |            | -       |            | -            |            | -           |            | -             | 0.000            | 3.195      | -                        |
| DCO - Tools Suite                           | MIPR                   | GSA, FEDSIM : Washington, DC                                      | 39.969      | 18.890  | Mar 2023   | 22.963  | Mar 2024   | 13.750       | Mar 2025   | -           |            | 13.750        | Continuing       | Continuing | -                        |
| DCO - User Activity Monitoring              | C/FFP                  | ACC-RI : Rock Island, IL  | 18.491      | 9.602   | Jan 2023   | 10.514  | Jan 2024   | 11.000       | Jan 2025   | -           |            | 11.000        | Continuing       | Continuing | -                        |
| DCO - Forensics and Malware                 | C/FFP                  | ACC-RI : Rock Island, IL  | 2.421       | 1.007   | Mar 2023   | 2.477   | Mar 2024   | 1.100        | Mar 2025   | -           |            | 1.100         | Continuing       | Continuing | -                        |
| DCO - Threat Emulation                      | C/FFP                  | ACC-RI : Rock Island, IL  | 4.934       | -       |            | 5.239   | Feb 2024   | -            |            | -           |            | -             | Continuing       | Continuing | -                        |
| DCO - Counter Infiltration                  | C/FFP                  | ACC-RI : Rock Island, IL  | -           | -       |            | 1.833   | Apr 2024   | -            |            | -           |            | -             | Continuing       | Continuing | -                        |
| DCO - Garrison DCO Platform                 | C/FFP                  | ACC-RI : Rock Island, IL  | -           | 4.369   | Mar 2023   | 7.002   | Mar 2024   | 2.800        | Mar 2025   | -           |            | 2.800         | Continuing       | Continuing | -                        |
| DCO - Deployable DCO System                 | SS/BOA                 | Cyber Procurement : Ft Meade                                      | -           | -       |            | -       |            | 0.900        | Mar 2025   | -           |            | 0.900         | Continuing       | Continuing | -                        |
| ARCYBER - Rapid Cyber Prototyping           | C/FFP                  | ACC-RI : Rock Island, IL  | 2.966       | -       |            | 1.300   |            | 1.300        | Jun 2025   | -           |            | 1.300         | Continuing       | Continuing | -                        |
| <b>Subtotal</b>                             |                        |   | 123.802     | 62.058  |            | 73.434  |            | 58.950       |            | -           |            | 58.950        | 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><br>2040 / 8                  |                                   |   |                    | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> |                   |                |                   | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |                   |                    |                   |                         |                         |                   |                                 |
| <b>Support (\$ 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>    |                         |                   |                                 |
| <b>Cost Category Item</b>   | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>   | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>   | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>             | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| DCO Development Environment (Forge/Armory)                        | TBD                               | TBD : TBD                                 | -                  | 7.369   | Jan 2023          | -              |                   | 8.800   | Jan 2025          | -                  |                   | 8.800                   | Continuing              | Continuing        | -                               |
| <b>Subtotal</b>   |                                   |   | -                  | 7.369   |                   | -              |                   | 8.800   |                   | -                  |                   | 8.800                   | Continuing              | Continuing        | N/A                             |
|   |                                   |   | <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> |
| <b>Project Cost Totals</b>  |                                   |   | 143.478            | 83.921  |                   | 83.570         |                   | 74.548  |                   | -                  |                   | 74.548                  | Continuing              | Continuing        | N/A                             |
| <b>Remarks</b>  |                                   |   |                    |   |                   |                |                   |   |                   |                    |                   |                         |                         |                   |                                 |

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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><br>2040 / 8             | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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 |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Enhancements, Testing & Deployment     | [Blue bar spanning FY 2023 Q1-Q4, FY 2024 Q1-Q4, FY 2025 Q1-Q4] |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics Enhancements, Testing & Deployment          |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Capability Release 11                  | [Blue bar]  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics CR11  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Development Support Contract           | [Blue bar]  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics Development Support Contract                |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Development Support Contract Option 1  | [Blue bar]  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics Development Support Contract Option 1       |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Development Support Contract Option 2  |   |   |                          |   | [Blue bar]  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   | DCO Cyber Analytics Development Support Contract Option 2 |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Development Support Contract Follow-on |   |   |                          |   |   |   |   |   | [Blue bar]   |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   |   |   |   |   | DCO Cyber Analytics Development Support Contract Follow-on |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Capability Release 12                  | [Blue bar]  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics CR12  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Capability Release 13                  |   |   | [Blue bar]               |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   | DCO Cyber Analytics CR13 |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Capability Release 14                  |   |   |                          |   | [Blue bar]  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   | DCO Cyber Analytics CR14                                  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics - Full Operational Capability          |   |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   | [Blue triangle]           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   | DCO Cyber Analytics - FOC |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics Capability Release 15                  |   |   |                          |   | [Blue bar]  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   | DCO Cyber Analytics CR15                                  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics GN Expansion III                       | [Blue bar]  |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  | DCO Cyber Analytics GN Expansion III                            |   |                          |   |   |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
| DCO-Cyber Analytics GN Expansion III Option 1              |   |   |                          |   | [Blue bar]  |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |
|  |   |   |                          |   | DCO Cyber Analytics GN Expansion III Option 1             |   |   |   |  |   |   |   |         |   |   |   |         |   |   |   |                           |   |   |   |         |   |   |   |  |  |  |  |  |  |  |  |

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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><br>2040 / 8             | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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 |
| DCO-Cyber Analytics GN Expansion III Option 2               |         |   |   |   |         |   |   |   | DCO Cyber Analytics GN Expansion III Option 2 |   |   |   |   |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 16                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR16  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 17                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR17  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 18                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR18  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 19                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR19  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 20                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR20  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 21                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR21  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Cyber Analytics Capability Release 22                   |         |   |   |   |         |   |   |   |   |   |   |   | DCO Cyber Analytics CR22  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Tools Suite v5  |         |   |   |   |         |   |   |   | DCO Tools Suite v5                            |   |   |   |   |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Tools Suite v6  |         |   |   |   |         |   |   |   |   |   |   |   | DCO Tools Suite v6  |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Tools Suite v7  |         |   |   |   |         |   |   |   |   |   |   |   |   |   |   |   | DCO Tools Suite v7 |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitor POR Contract                      |         |   |   |   |         |   |   |   | DCO User Activity Monitoring POR Contract     |   |   |   |   |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - New FAR UAM Maintenance C... |         |   |   |   |         |   |   |   |   |   |   |   | DCO User Activity Monitoring - New FAR UAM Maintenance Contract |   |   |   |                    |   |   |   |         |   |   |   |         |   |   |   |

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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><br>2040 / 8             | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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 |
| DCO-User Activity Monitoring - New Viper OTA Prototype A...  |  |   |   |   | DCO User Activity Monitoring - New Viper OTA Prototype Agreement |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - Behavioral Analysis           | DCO User Activity Monitoring - Behavioral Analysis           |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - Integrate with BDP            | DCO User Activity Monitoring - Integrate with BDP            |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - UAM Cloud Development         | DCO User Activity Monitoring - UAM Cloud Development         |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - Total NET Employment          |  |   |   |   | DCO User Activity Monitoring - Total NET Employment              |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring Capability - SAP Full Opera...  |  |   |   |   | 1<br>DCO User Activity Monitoring - SAP FOC                      |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring Capability - Full Operation...  |  |   |   |   |  |   |   |   | 4<br>DCO User Activity Monitoring - FOC |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-User Activity Monitoring - UAM-P Operation & Maintenance | DCO User Activity Monitoring - UAM-P Operation & Maintenance |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware -Initial Operating Capability      |  |   |   |   | 2<br>DCO Forensics and Malware - IOC                             |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Ida Pro Procurement 1 (Option 1) | DCO Forensics and Malware - Ida Pro Procurement 1 (Option 1) |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Full Operating Capability        |  |   |   |   |  |   |   |   | 5<br>DCO Forensics and Malware - FOC    |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Ida Pro Procurement 1 (Option 2) | DCO Forensics and Malware - Ida Pro Procurement 1 (Option 2) |   |   |   |  |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Ida Pro New Award                |  |   |   |   | DCO Forensics and Malware - Ida Pro New Award                    |   |   |   |   |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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| <b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b> |   | <b>Date: March 2024</b>   |
| <b>Appropriation/Budget Activity</b><br>2040 / 8             | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</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 |
| DCO-Forensics and Malware - Ida Pro Option 1                |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Encase Investigator Maintena... |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Encase Investigator Maintena... |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Encase Investigator Maintena... |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Forensics and Malware - Encase Investigator Maintena... |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-DCO Development Environment (Forge/Armory)              |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Garrison DCO Platform - Next Generation Pilot           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Garrison DCO Platform - Maintenance Support             |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-Deployable DCO System - Maintenance Support             |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-ARCYBER Rapid Cyber Prototyping (Rapid Proto / Capab..  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| DCO-ARCYBER Rapid Cyber Prototyping (Rapid Proto / Capab..  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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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><br>2040 / 8              | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |

Schedule Details

| Events  | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| DCO - Cyber Analytics POR Contract                                  | 2       | 2019 | 1       | 2022 |
| DCO-Cyber Analytics GN Expansion II                                 | 1       | 2021 | 4       | 2022 |
| DCO-Cyber Analytics Capability Release 7                            | 1       | 2021 | 1       | 2021 |
| DCO-Cyber Analytics Lower Echelon Analytics Platform (LEAP) Release | 1       | 2021 | 4       | 2022 |
| DCO-Cyber Analytics LEAP Tactical (LTAC) Release                    | 2       | 2021 | 4       | 2022 |
| DCO-Cyber Analytics Enhancements, Testing & Deployment              | 2       | 2021 | 4       | 2025 |
| DCO-Cyber Analytics Capability Release 8                            | 2       | 2021 | 2       | 2021 |
| DCO-Cyber Analytics Capability Release 9                            | 3       | 2021 | 3       | 2021 |
| DCO-Cyber Analytics Capability Release 10                           | 4       | 2021 | 4       | 2021 |
| DCO-Cyber Analytics Capability Release 11                           | 1       | 2023 | 1       | 2023 |
| DCO-Cyber Analytics Development Support Contract                    | 2       | 2022 | 2       | 2023 |
| DCO-Cyber Analytics Development Support Contract Option 1           | 2       | 2023 | 2       | 2024 |
| DCO-Cyber Analytics Development Support Contract Option 2           | 2       | 2024 | 2       | 2025 |
| DCO-Cyber Analytics Development Support Contract Follow-on          | 2       | 2025 | 2       | 2026 |
| DCO-Cyber Analytics Capability Release 12                           | 2       | 2023 | 2       | 2023 |
| DCO-Cyber Analytics Capability Release 13                           | 3       | 2023 | 3       | 2023 |
| DCO-Cyber Analytics Capability Release 14                           | 4       | 2023 | 4       | 2023 |
| DCO-Cyber Analytics - Full Operational Capability                   | 4       | 2024 | 4       | 2024 |
| DCO-Cyber Analytics Capability Release 15                           | 1       | 2024 | 1       | 2024 |
| DCO-Cyber Analytics GN Expansion III                                | 1       | 2023 | 4       | 2023 |
| DCO-Cyber Analytics GN Expansion III Option 1                       | 1       | 2024 | 4       | 2024 |
| DCO-Cyber Analytics GN Expansion III Option 2                       | 1       | 2025 | 4       | 2025 |

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**Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army** **Date:** March 2024

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| <b>Appropriation/Budget Activity</b><br>2040 / 8 | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |
|--|---|---|

| <b>Events</b>   | <b>Start</b>   |             | <b>End</b>     |             |
|---|----------------|-------------|----------------|-------------|
|   | <b>Quarter</b> | <b>Year</b> | <b>Quarter</b> | <b>Year</b> |
| DCO-Cyber Analytics Capability Release 16                                 | 2              | 2024        | 2              | 2024        |
| DCO-Cyber Analytics Capability Release 17                                 | 3              | 2024        | 3              | 2024        |
| DCO-Cyber Analytics Capability Release 18                                 | 4              | 2024        | 4              | 2024        |
| DCO-Cyber Analytics Capability Release 19                                 | 1              | 2025        | 1              | 2025        |
| DCO-Cyber Analytics Capability Release 20                                 | 2              | 2025        | 2              | 2025        |
| DCO-Cyber Analytics Capability Release 21                                 | 3              | 2025        | 3              | 2025        |
| DCO-Cyber Analytics Capability Release 22                                 | 4              | 2025        | 4              | 2025        |
| DCO-Mission Planning POR Contract   | 1              | 2021        | 4              | 2022        |
| DCO-Mission Planning Capability Release 5                                 | 2              | 2021        | 4              | 2021        |
| DCO-Tools Suite v2  | 4              | 2020        | 2              | 2021        |
| DCO-Tools Suite v3  | 2              | 2021        | 4              | 2021        |
| DCO-Tools Suite v4  | 2              | 2022        | 4              | 2022        |
| DCO-Tools Suite v5  | 2              | 2023        | 4              | 2023        |
| DCO-Tools Suite v6  | 2              | 2024        | 4              | 2024        |
| DCO-Tools Suite v7  | 2              | 2025        | 4              | 2025        |
| DCO-User Activity Monitor POR Contract                                    | 1              | 2021        | 3              | 2024        |
| DCO-User Activity Monitoring - New FAR UAM Maintenance Contract           | 1              | 2024        | 1              | 2028        |
| DCO-User Activity Monitoring - New Viper OTA Prototype Agreement          | 1              | 2024        | 4              | 2026        |
| DCO-User Activity Monitoring - Behavioral Analysis                        | 1              | 2021        | 4              | 2023        |
| DCO-User Activity Monitoring - Integrate with BDP                         | 2              | 2021        | 2              | 2024        |
| DCO-User Activity Monitoring - UAM Cloud Development                      | 1              | 2023        | 3              | 2025        |
| DCO-User Activity Monitoring - Total NET Employment                       | 1              | 2024        | 2              | 2024        |
| DCO-User Activity Monitoring Capability - SAP Full Operational Capability | 2              | 2024        | 2              | 2024        |
| DCO-User Activity Monitoring Capability - Full Operational Capability     | 2              | 2025        | 2              | 2025        |
| DCO-User Activity Monitoring - UAM-P Operation & Maintenance              | 1              | 2023        | 4              | 2026        |

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2025 Army **Date:** March 2024

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| <b>Appropriation/Budget Activity</b><br>2040 / 8 | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>CD1 / <i>Defensive Cyber - Software Prototype Devel</i> |
|--|---|---|

| Events  | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| DCO-Forensics and Malware -Initial Operating Capability                             | 4       | 2024 | 4       | 2024 |
| DCO-Forensics and Malware - Ida Pro Procurement 1 (Base Year)                       | 2       | 2021 | 2       | 2022 |
| DCO-Forensics and Malware - Sandbox Solution  | 1       | 2022 | 4       | 2022 |
| DCO-Forensics and Malware - Ida Pro Procurement 1 (Option 1)                        | 2       | 2022 | 2       | 2023 |
| DCO-Forensics and Malware - Full Operating Capability                               | 3       | 2025 | 3       | 2025 |
| DCO-Forensics and Malware - Ida Pro Procurement 1 (Option 2)                        | 2       | 2023 | 2       | 2024 |
| DCO-Forensics and Malware - Ida Pro New Award                                       | 2       | 2024 | 2       | 2025 |
| DCO-Forensics and Malware - Ida Pro Option 1  | 2       | 2025 | 2       | 2026 |
| DCO-Forensics and Malware - Encase Investigator Maintenance (BY)                    | 2       | 2021 | 2       | 2022 |
| DCO-Forensics and Malware - Encase Investigator Maintenance (OY1)                   | 2       | 2022 | 2       | 2023 |
| DCO-Forensics and Malware - Encase Investigator Maintenance (OY2)                   | 2       | 2023 | 2       | 2024 |
| DCO-Forensics and Malware - Encase Investigator Maintenance (OY3)                   | 2       | 2024 | 2       | 2025 |
| DCO-Forensics and Malware - Encase Investigator Maintenance Renewal                 | 2       | 2025 | 2       | 2026 |
| DCO-Threat Emulation - Social Engineering Toolkit                                   | 1       | 2021 | 4       | 2022 |
| DCO-Threat Emulation - Exploit Code Generator                                       | 3       | 2021 | 2       | 2022 |
| DCO-Threat Emulation - Proprietary Interface  | 1       | 2022 | 4       | 2022 |
| DCO-DCO Development Environment   | 1       | 2022 | 4       | 2022 |
| DCO-DCO Development Environment (Forge/Armory)                                      | 1       | 2023 | 4       | 2025 |
| DCO-Garrison DCO Platform - Next Generation Pilot                                   | 2       | 2023 | 4       | 2024 |
| DCO-Garrison DCO Platform - Maintenance Support                                     | 2       | 2025 | 4       | 2025 |
| DCO-Deployable DCO System - Maintenance Support                                     | 2       | 2025 | 4       | 2025 |
| DCO-ARCYBER Rapid Cyber Prototyping (Rapid Proto / Capablity Assessments) (FY 2022) | 3       | 2021 | 2       | 2023 |
| DCO-ARCYBER Rapid Cyber Prototyping (Rapid Proto / Capablity Assessments)           | 1       | 2024 | 4       | 2025 |

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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><br>2040 / 8                   |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> |                      |                |                | <b>Project (Number/Name)</b><br>DD2 / <i>Joint Cyber Warfighting Architecture Software</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> |
| DD2: <i>Joint Cyber Warfighting Architecture Software</i>          | -                  | 8.539          | -              | -                   | -   | -                    | -              | -              | -  | -                       | 0.000                   | 8.539             |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -   | -                    | -              | -              | -  | -                       |                         |                   |

**Note**

PE 0608041A Project DD2 Joint Cyber Warfighting Architecture Software has no funding request in FY 2025 and outyears.

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

Defensive Cyber Operations (DCO) programs are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. The employment of defensive capabilities achieves the following objectives: deter, destroy and defeat cyberspace threats; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence.

Defensive Cyber Operations (DCO) consists of platform and software programs which are key elements of the DCO Maneuver Baseline infrastructure, platform, and tools. DCO supports the Army Cyber Command (ARCYBER), Information Warfare Operations Center (IWOC), FORSCOM, (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.

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

|  | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> |
|--|----------------|----------------|----------------|
| <b>Title:</b> Defensive Cyber Operations (DCO) - Tools Suite (PEO EIS)   | 6.546          | -              | -              |
| <b>Description:</b> DCO Tools Suite is a flexible and dynamic software based suite of warfighting capabilities that enables Cyber Protection Teams (CPTs), Regional Cyber Centers (RCCs), and in some cases local defenders to perform DCO and cybersecurity actions. DCO tools consists of prepositioned and tailorable software packages that are integrated and available at all echelons to support or directly cause effects through the execution of Cyber Mission Force (CMF) and cyberspace workforce tasks. They are executed or managed within a DCO platform.   |                |                |                |
| <b>Title:</b> Defensive Cyber Operations (DCO) - DCO Development Environment (Forge/Armory) (PEO EIS)  | 1.993          | -              | -              |
| <b>Description:</b> DCO Development Environment (DCODE) (Forge/Armory) are both physical and virtual assets that provide continual integration, upgrade, assessment, optimization in support of the warfighter's operational environment. Purpose is to provide centralized lifecycle management and consist of the following capabilities: 1) 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) provide 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><br>2040 / 8                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>DD2 / <i>Joint Cyber Warfighting Architecture Software</i> |

|   |                |                |                |
|---|----------------|----------------|----------------|
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b> | <b>FY 2023</b> | <b>FY 2024</b> | <b>FY 2025</b> |
| <b>Accomplishments/Planned Programs Subtotals</b>           | 8.539          | -              | -              |

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

| <u>Line Item</u>   | <u>FY 2023</u> | <u>FY 2024</u> | <u>FY 2025</u><br><u>Base</u> | <u>FY 2025</u><br><u>OCO</u> | <u>FY 2025</u><br><u>Total</u> | <u>FY 2026</u> | <u>FY 2027</u> | <u>FY 2028</u> | <u>FY 2029</u> | <u>Cost To</u><br><u>Complete</u> | <u>Total Cost</u> |
|--|----------------|----------------|-------------------------------|------------------------------|--------------------------------|----------------|----------------|----------------|----------------|-----------------------------------|-------------------|
| • 0605041A: <i>Defensive CYBER Tool Development</i>                | 33.029         | 27.714         | 4.176                         | -                            | 4.176                          | 4.261          | 4.146          | 4.193          | 4.235          | 0.000                             | 81.754            |
| • B63103: <i>Advanced Cyber Tool Development</i>                   | -              | 13.848         | 0.000                         | -                            | 0.000                          | -              | -              | -              | -              | 0.000                             | 13.848            |
| • 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             |

**Remarks**

RDTE PE 0605041A Project EV5 - DCO platform infrastructure, integration, and assessments.  
 OPA PE B63103 - DCO hardware procurement, fielding, and new equipment training for Garrison DCO Platform (GDP), Deployable Defensive Systems (DDS), and DCODE Armory.  
 OPA PE B66350 (FY 2023 only) - DCO hardware procurement, fielding, and new 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.

**D. Acquisition Strategy**

The DCO Information System Initial Capabilities Document (IS ICD) 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 (FY 2018-2022) which aligns with current Requirements Definition Packages (RDPs). IT Box establishes funding thresholds, by appropriation, for a program over the capability's projected lifecycle of five (5) years. FY 2018-2022 IT Box expired in 4Q FY 2022. FY 2023-2027 IT Box Revalidation Army Requirement Oversight Council Memorandum (AROCM) approved on 31 August 2023.

The ARB approved DDS RDP on 27 February 2018, and DCO Tools Suite on 18 May 2018. The MDA designated this as ACAT IV program. Under subsequent reviews, the MDA approved agile acquisition approach to develop and deliver pre-configured software in a series of releases and capability drops in order to deliver full functional values of the RDP that align with DCO priorities. DCO programs utilize standard and FY 2018 National Defense Authorization Act (NDAA) Section 874 agile pilot evolutionary acquisition processes (30-90 rapid acquisition approach). DCO continually delivers new technologies and capabilities as a prototype and fields updated capabilities. DCO contract strategy utilizes multiple existing contracts vehicles to include Other Transactional Authority (OTA), Federal Acquisition Regulation (FAR)-based, Blanket Purchase Agreement (BPA), and Basic Ordering Agreement (BOA).



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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><br>2040 / 8             | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>DD2 / <i>Joint Cyber Warfighting Architecture Software</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 |
| DCO - Tools Suite | <div style="background-color: #0000ff; color: white; padding: 2px; display: inline-block;">DCO - Tools Suite</div> |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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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><br>2040 / 8              | <b>R-1 Program Element (Number/Name)</b><br>PE 0608041A / <i>Defensive CYBER - Software Prototype Development</i> | <b>Project (Number/Name)</b><br>DD2 / <i>Joint Cyber Warfighting Architecture Software</i> |

Schedule Details

| Events            | Start   |      | End     |      |
|-------------------|---------|------|---------|------|
|                   | Quarter | Year | Quarter | Year |
| DCO - Tools Suite | 2       | 2023 | 4       | 2023 |