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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0306250JCY I <i>Cyber Operations Technology Support</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	0.000	0.000	469.385	479.672	-	479.672	501.049	547.625	583.403	595.097	Continuing	Continuing
CY50W1: <i>Cyber Weapons/Tools</i>	0.000	0.000	0.000	313.320	-	313.320	310.414	313.747	319.412	325.798	Continuing	Continuing
CY50J1: <i>Joint Cyber Warfighting Integration</i>	0.000	0.000	0.000	103.691	0.000	103.691	127.857	170.369	204.967	209.076	Continuing	Continuing
CY50M1: <i>MDDE</i>	0.000	0.000	0.000	36.751	0.000	36.751	36.929	37.011	36.886	37.642	Continuing	Continuing
CY50S1: <i>Data and Sensors</i>	0.000	0.000	0.000	21.043	0.000	21.043	20.870	21.397	16.913	17.252	Continuing	Continuing
CY50D2: <i>Data and Analytics</i>	-	0.000	0.000	4.867	0.000	4.867	4.979	5.101	5.225	5.329	Continuing	Continuing
CY06: <i>Cyber Weapons/Tools</i>	-	0.000	308.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
CY07: <i>Joint Cyber Warfighting Integration</i>	-	0.000	91.214	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
CY08: <i>MDDE</i>	-	0.000	37.760	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
CY09: <i>Sensors</i>	-	0.000	31.791	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

US Cyber Command's (USCYBERCOM) mission is to deter or defeat strategic threats to US interests and infrastructure, provide mission assurance for the operations and defense of the Department of Defense information environment, and support the achievement of the Joint Force Commander's objectives.

USCYBERCOM in conjunction with the Services and Cyber Stakeholders will develop and expand infrastructure architectures and capabilities/tools to support Cyber Mission Forces (CMF).

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Cyber Command	Date: March 2024
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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0306250JCY I <i>Cyber Operations Technology Support</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	469.385	500.074	-	500.074
Current President's Budget	0.000	469.385	479.672	-	479.672
Total Adjustments	0.000	0.000	-20.402	-	-20.402
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Budget Realignment	-	-	-20.402	-	-20.402

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50W1 / <i>Cyber Weapons/Tools</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
<i>CY50W1: Cyber Weapons/Tools</i>	0.000	0.000	0.000	313.320	-	313.320	310.414	313.747	319.412	325.798	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

US Cyber Command (USCYBERCOM) conducts full-spectrum cyberspace operations to assist Combatant Commanders and the Joint Force in accomplishing their mission objectives in and through cyberspace.

Cyber operations:

- deter adversaries from conducting escalating activities by causing a lack of confidence in their system and capabilities;
- enhance kinetic operations through the gathering of intel before, tipping during, and assessment afterward;
- create strategic surprise through the projection of power in cyberspace into adversary systems providing non-kinetic alternatives to Combatant Commanders; and
- disrupt, degrade, and destroy the capabilities of malicious cyber actors.

The Cyber Weapons and Tools portfolio funds and directs the development of tailored software and hardware solutions that enable USCYBERCOM personnel to gain access and effect key foreign adversary cyberspace systems at an enterprise scale while operating under the strategy of persistent engagement.

The portfolio provides the means to:

- acquire or build new payloads (i.e., implants and exploits);
- architect and implement the Joint Common Services required to automate and scale the process of intelligence-driven cyber operations;
- maintain and advance a Joint Development Environment (JDE) for cyber weapons and tools at multiple security levels at multiple locations;
- continuously test and adapt payloads and Joint Common Services in response to the constantly changing cyberspace environment/threats; and
- provide program support

All of the above items require integration with each other and have overlapping dependencies.

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

	FY 2023	FY 2024	FY 2025
Title: Cyber Weapon Payloads (e.g., implants, exploits, and associated modules) (CWP)	-	0.000	161.353
Description: Cyber Weapon Payloads provide advanced offensive cyber warfare payloads in direct support of USCYBERCOM and other Combatant Commands (COCOMs). Payloads include exploits to subvert the security of cyberspace systems, implants to command and control cyberspace systems, modules to facilitate collection and effects of cyberspace systems, and any unique hardware or software required for the deployment and management of a specific payload. Cyber Weapon Payloads can be target system specific or applicable to a broad class of cyberspace systems. Due to the shared risk of loss of capability, multiple			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50W1 / <i>Cyber Weapons/Tools</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
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versions of many payloads need to be available and continuously refreshed to manage the high risk and frequent loss of these capabilities, both due to usage and changes in the cyberspace environment. Funding provides for the acquisition of target systems, execution of reverse engineering of target systems, development of the software payloads, production of documentation and training on the payload, and development of automated payload-specific tests.

FY 2024 Plans:

Develop and expand service Cyber Weapon Payload capabilities via partnership with each service's target aligned development and acquisition efforts (i.e., Army (JFHQ-C Army), Air Force (JFHQ-C Air Force), Marines (JFHQ-C Marines), Navy (JFHQ-C Navy)).

FY 2025 Plans:

Continue expansion of Cyber Weapon Payload capabilities with the services. Major expansion with supporting the technical transfer of new payloads that provide increased capability on specific hard targets that are emerging from S&T efforts in this area.

FY 2024 to FY 2025 Increase/Decrease Statement:

In FY 2024 funding for this program was in project CY06. For FY 2025, and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.

In FY 2025, funding expands the development environment to higher classification levels (including the ability to transfer between the networks) and expands options for more easily incorporating solutions developed by entities without direct access to any level.

Title: Joint Cyber Weapons Common Services (JCWCS)

Description: Joint Cyber Weapons Common Services architect and implement the software required to automate and scale the process of intelligence-driven cyber operations. These services are used across missions to facilitate the secure delivery of the optimal payloads to the right authorized targets at the right time. It further manages longer term accesses, ensuring an adaptive posture in response to the changing cyberspace environment and mission needs. This complex process involves interfacing with various intelligence sources, higher level command and control systems, and delivery platforms (e.g., Joint Common Access Platform (JCAP)). Without the Joint Cyber Weapons Common Services, every cyber operation is a manually intensive undertaking requiring high degrees of expertise and increasing the risk of error.

FY 2024 Plans:

Funding for Joint Cyber Weapons Common Services enhances efforts from prior years deploying to JCAP, and making continuous improvements and continuous deliveries throughout the year. Promulgate standards to all payload development organizations to expedite the integration of new payloads.

FY 2025 Plans:

	-	0.000	74.508

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>FY 2025 funding for Joint Cyber Weapons Common Services continues to improve its FY 2024 services, but expands the capabilities incorporating new data and analytics providing for improved protection of offensive capabilities and increased capacity for intelligence-based targeting. The focus will be on new and expanded Common Services that provide increased capability on technical transfer of prototypes emerging from S&T efforts in this area.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 funding was in project CY06.</p> <p>In FY 2025, a planned increase is a result of new Common Services that provide increased capability to rapidly scale access and technical transfer of prototypes emerging from S&T efforts currently underway, such as the multiple initiatives under the Constellation program with Defense Advanced Research Projects Agency (DARPA) /I2O.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.</p>			
<p>Title: Joint Development Environment (e.g., build, manage, and test both payload and common services) (JDE)</p> <p>Description: The Joint Development Environment provides the unique information technology (IT) platform and services required for the continuous development, integration, and testing of both Cyber Weapon Payloads and Joint Cyber Weapons Common Services. It needs to operate at multiple security levels to both maximize developer access as well as support required security constraints. The services required on this network include, but are not limited to source code repositories, diverse virtual and hardware environments, functional testing pipeline for diverse operational environments, payload signature/OPSEC measurement, and payload security product testing. It will provide all that is needed for the USCYBERCOM testing processes (e.g., Development Evaluation (DE), Operational Evaluation (OE)). It will ensure stringent controls to prevent the inadvertent or intentional unauthorized release of any payload or common service.</p> <p>FY 2024 Plans: FY 2024 funding for the Joint Development Environment focuses on the convergence and improvement of a collection of existing development environments into a unified solution accessible to the development workforce, with the best of breed services available and continually being improved. Focus is on providing access at the TS//SCI level and CUI (Controlled Unclassified Information levels).</p> <p>FY 2025 Plans: In FY 2025, funding expands the development environment to higher classification levels (including the ability to transfer between the networks) and expands options for more easily incorporating solutions developed by entities without direct access to any level.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 funding was 62.787 in project CY06.</p>	-	0.000	77.459

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command	Date: March 2024
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50W1 / <i>Cyber Weapons/Tools</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
In FY 2025, a planned increase is a result of additional information technology (IT) platform and services that provide increased capability.			
For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.			
Accomplishments/Planned Programs Subtotals	-	0.000	313.320

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

N/A

Remarks

D. Acquisition Strategy

The Joint Cyber Weapon’s acquisition strategy is to facilitate the delivery of innovative solutions for existing and emerging technologies to the Cyber Mission Forces. Contracts are awarded under full and open competition whenever possible. Variations of both Fixed Price (FP) and Cost Plus (CP) contracting vehicles and the use of Other Transactional Authority (OTA) will be implemented leveraging USCYBERCOM Acquisition authorities. USCYBERCOM will also rely on various Service Component, Combatant Command and National Security Agency contracting offices for procurement of cyber capabilities and contractor support. Solutions may include the expedited development of innovative capabilities using existing and emerging technologies, thus enabling continued superiority within the cyber domain.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50W1 / <i>Cyber Weapons/Tools</i>

Capability Area	FY24				FY25				
	Q1 PI-05	Q2 PI-06	Q3 PI-07	Q4 PI-08	Q1 PI-09	Q2 PI-10	Q3 PI-11	Q4 PI-12	
JCW Common Services	Develop and Deliver Offensive Cyber Operations - Common Services to CMF								
PIE		★ Desktop Browser VR							
JDE			★ Develop Joint Development Environment						

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50W1 / <i>Cyber Weapons/Tools</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Cyber Weapons				
Exploitation framework spiral development	1	2024	4	2028
Cyber Tools				
AF Payloads - Neptune Rumble	1	2024	4	2028
AF Payloads - Wicked Wizard	1	2024	4	2028
Foundational tool suites	1	2024	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command										Date: March 2024		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>				Project (Number/Name) CY50J1 / <i>Joint Cyber Warfighting Integration</i>			
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
CY50J1: <i>Joint Cyber Warfighting Integration</i>	0.000	0.000	0.000	103.691	0.000	103.691	127.857	170.369	204.967	209.076	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Joint Cyber Warfighting Architecture (JCWA) funding integrates four Service acquisition programs (Unified Platform (UP), Joint Command and Control (JCC2), Joint Common Access Platform (JCAP), and Persistent Cyber Training Environment (PCTE)) and two USCYBERCOMMAND efforts (Joint Cyber Weapons (JCW), including Joint Development Environment (JDE) and Sensors). The resulting key mission outcomes for the Cyber Operations Force are enhanced situational awareness across the enterprise, an increased ability to tailor cyber operations for specific threats, reduced mission lifecycle time, and automated workflows. These outcomes translate to increased speed, scalability, and accuracy of cyber operations.

To achieve these outcomes, integration funding develops interoperability among systems to provide a comprehensive, integrated, cyberspace architecture. Deliverables include the development and deployment of enterprise-wide services that cross functional boundaries or are foundational in nature such as increased security posture, acceleration of fielding of S&T capabilities, and integrated JCWA Test and Evaluation.

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

	FY 2023	FY 2024	FY 2025
Title: Joint Cyber Warfighting Architecture (JCWA) - Integration	-	0.000	103.691
<p>Description: USCYBERCOM uses integration funding to assure interoperability and develop enterprise elements of the JCWA, which is the primary operational environment for Cyber Operations Forces. Integration funding supports efforts to develop standards, prototype, develop, and deploy foundational enterprise services and inform requirements and investment decisions. JCWA funding also supports collaboration with innovation partners, ensuring that the JCWA is integrating cutting edge technology in order to stay ahead of adversary developments.</p> <p>FY 2024 Plans: FY 2024 funds support development of initial, threat informed JCWA System of Systems (SoS) operational testing, starting the integration of SAP and STO capabilities, delivering systems engineering processes, and increasing staffing available to support SoS engineering and integration. Early capabilities integrated through the Constellation pipeline program is jointly run by USCYBERCOM and DARPA to enable new, mission focused, artificial intelligence (AI) capabilities in support of top-priority missions. FY 2024 funding achieves the delivery of initial and prototype security enhancements, including 1) deployment of a central JCWA security operations center to reduce vulnerability to adversary attack, 2) enterprise-wide identity and access</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024		
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50J1 / <i>Joint Cyber Warfighting Integration</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>management, and 3) enterprise-level, cross-domain solutions. This funding also supports development of an enterprise-wide cloud strategy.</p> <p>FY 2025 Plans: FY 2025 funds support JCWA continues to support development of 1) a central JCWA security operations center to reduce vulnerability to adversary attack, 2) enterprise-wide identity and access management, and 3) enterprise-level, cross-domain solutions. These funds also support delivering threat informed, JCWA SoS operational testing, expanding integration of SAP and STO capabilities as they mature, increasing staffing available to support SoS engineering and integration, with a focus on testing and validation. FY 2025 funding will achieve further maturation of Constellation integration to enable key capabilities, including AI support for the mission. This funding also supports transition, as appropriate, to the use of commercially-provided foundational cloud services.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 funding was 91.214 in Project CY07. For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects.</p> <p>The increase between FY 2024 and FY 2025 is to expand enterprise services and expand efforts to integrate S&T capabilities, including additional programs into the Constellation pipeline.</p>				
Accomplishments/Planned Programs Subtotals		-	0.000	103.691
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
USCYBERCOM is exercising its responsibilities as System of Systems (SoS) Engineering and Integration authority. USCYBERCOM's strategy is to apply funding in a strategic, targeted way to leverage on-going Program Management Office (PMO) activities to assure interoperability, efficiency, and cost effectiveness. JCWA employs other innovative strategies, such as leveraging Service capability development PMOs to advance progress within Areas Of Responsibility (AOR), leveraging mature, industry- provided capabilities (such as utilizing large, established technology companies), and employing short term funding in the furtherance of long-term enterprise integration goals.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50J1 / <i>Joint Cyber Warfighting Integration</i>
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Product Development (\$ in Millions)				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			
JCWA - Integration	C/Various	Various : Various	-	-		0.000		103.691		-		103.691	Continuing	Continuing	-
Subtotal			-	-		0.000		103.691		-		103.691	Continuing	Continuing	N/A
Project Cost Totals			-	-		0.000		103.691		-		103.691	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50J1 / <i>Joint Cyber Warfighting Integration</i>
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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

Services	
Services	[REDACTED]

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50J1 / <i>Joint Cyber Warfighting Integration</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Services				
Services	1	2025	3	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50M1 / MDDE
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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
CY50M1: MDDE	0.000	0.000	0.000	36.751	0.000	36.751	36.929	37.011	36.886	37.642	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

USCYBERCOM MDDE funding provides advanced non-kinetic capabilities that directly support USCYBERCOM operational directives, FY 2022 National Defense Strategy, Department of Defense Cyber Strategy, and other formal requirements documents outlining needed capabilities against identified threats.

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

	FY 2023	FY 2024	FY 2025
Title: MDDE	0.000	0.000	36.751
<p>Description: USCYBERCOM MDDE funding provides advanced non-kinetic capabilities that directly support USCYBERCOM operational directives, FY 2022 National Defense Strategy, Department of Defense Cyber Strategy, and other formal requirements documents outlining needed capabilities against identified threats.</p>			
<p>FY 2024 Plans: FY 2024 funding supports developing and advancing the state of the art in non-kinetic capabilities, delivered to operators with the appropriate authorities for effect to meet designated USCYBERCOM and DoD missions. Key efforts include developing, testing and fielding an advanced prototype platform that enables full-spectrum cyber operations in support of USCYBERCOM and DoD goals, with initial operating capability in July, 2024. These efforts expand operations with data providers and develop analytic tools that support capability development and mission execution. Finally, funding develops an architecture and integration plan for multi-domain system of systems capability model in support of a specific goal, with architecture definition by the third quarter of FY 2024. FY 2024 includes the completion of 6 unique efforts to be delivered between quarters 1 through 3 of the fiscal year. These deliverables are program milestones which represent intelligence-driven vulnerability analysis-identified opportunities. These opportunities consist of MDDE 1-6 under the schedule displayed in the corresponding R-3.</p>			
<p>FY 2025 Plans: FY 2025 funding will allow the effort to continue to execute the development pipeline of capabilities, further identifying appropriate mechanisms to support USCYBERCOM and DoD goals and mission imperatives. MDDE will also deliver additional non-kinetic capabilities in accordance with identified opportunities and mission goals and expand applicability of strategy and tools to support additional AORs as needed and directed. Other key efforts include developing integrated and mission-ready platforms that enable full-spectrum cyber operations with initial demonstrated capability by the second quarter of FY25. Also, MDDE will demonstrate advanced capabilities in operationally realistic high-fidelity tests to ensure mission success and develop a robust platform and system of system prototype that demonstrates complex system of system interactions across multiple domains in support of a specific mission objective by the fourth quarter of 2025. FY 2025 will include the completion of 3 unique efforts to be delivered</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>between quarters 2 through 4 of the fiscal year. These deliverables are program milestones which represent intelligence-driven vulnerability analysis-identified opportunities. These opportunities consist of: MDDE 7-9 under the schedule display below.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> In FY 2024 funding was 37.760 in Project CY08.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.</p> <p>FY 2025 funding decrease reflects funding shift request of RDT&E to O&M (\$1.042) in FY 2025 and out-years.</p>			
Accomplishments/Planned Programs Subtotals	0.000	0.000	36.751

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

N/A

Remarks

D. Acquisition Strategy

MDDE's acquisition strategy primarily leverages multiple existing contracts, but also includes a few new contract awards to include a first quarter FY 2024 award for engineering expertise. Contracts will support multiple, short term efforts to rapidly develop operational prototypes that can be quickly fielded against fleeting target vulnerabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50M1 / <i>MDDE</i>
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Product Development (\$ in Millions)				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			
MDDE	C/Various	Various : Various	-	-		0.000		36.751		-		36.751	Continuing	Continuing	-
Subtotal			-	-		0.000		36.751		-		36.751	Continuing	Continuing	N/A

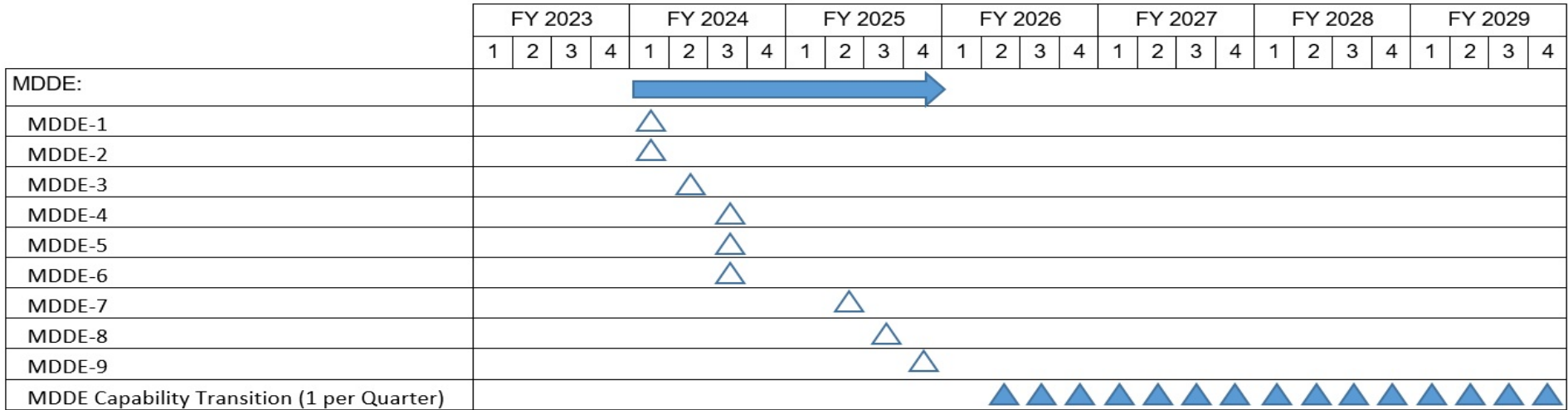
Remarks
 Across the Future Years Defense Plan (FY 2026-2029), the MDDE Program will endeavor to complete on average the transition of one capability per quarter. This transition schedule will be driven by intelligence and vulnerability analysis-identified opportunities.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals	-	-		0.000		36.751	-	36.751	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50M1 / MDDE



- MDDE-1: To complete the field test with respect to tracking of an MDDE identified radio frequency to be completed in Q1FY24.
- MDDE-2: Completion of the feasibility assessment on a separate radio frequency sensor in Q1FY24.
- MDDE-3: Delivery of, or completion of a chemical engineering assessment of critical technology for MDDE target Q2FY24.
- MDDE-4: To complete and deliver the architecture and integration plan for a MDDE radio frequency intercept. Architecture is to be completed by Q3FY24.
- MDDE-5: To complete a field assessment in partnership with the US Department of Energy Q3FY24.
- MDDE-6: To complete the development of a passive radio frequency sensor contingent upon the results of the MDDE-2 feasibility assessment Q3FY24.
- MDDE-7: To complete field testing of a prototype Unmanned Aerial Vehicle to determine its range and capacity to deliver capability in test theater Q2FY25.
- MDDE-8: To complete a comprehensive industrial supply chain study with multiple Department of Defense elements on the strategic competition's current supply chain operations and their critical paths of procurement Q3FY25.
- MDDE-9: To complete field testing of a prototype transporter Unmanned Aerial Vehicle to determine its capacity to reliably transport capability in test theater Q4FY25.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50M1 / <i>MDDE</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MDDE				
Event	1	2024	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50S1 / <i>Data and Sensors</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
CY50S1: <i>Data and Sensors</i>	0.000	0.000	0.000	21.043	0.000	21.043	20.870	21.397	16.913	17.252	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Data & Sensors portfolio includes capabilities that identify indications or confirmation of a compromised cyberspace defense capability. Capability funding supports deployable Sensors (i.e., CNMF Hunt Forward & Service Cyber Component Deployable Mission Support Systems (DMSS) kits), DoDIN and INDOPACOM Enhanced Sensing and Mitigation, data analytics and Cyber mission Force (CMF) access to commercially available data on mission relevant cyber threats required to evaluate, analyze, and counter Malicious Cyber Activity (MCA)/Malign Influence Activity (MIA). Hunt Forward and DMSS kits are a self-contained, flyaway equipment (software and hardware) operated by Cyber Protection Teams (CPTs) to survey, secure and protect military networks, data centers and to conduct Vulnerability Analysis (VA), Incident Response (IR) with little or no notice concurrently on classified and unclassified networks. The CPTs maintain the ability to locate, contain, and defeat malicious activity in response to an adversary breaching or attempting to breach DoD information systems.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Data & Sensors</p> <p>Description: The Data & Sensors portfolio includes capabilities that identify indications or confirmation of a compromised cyberspace defense capability. Capability funding supports deployable Sensors (i.e., CNMF Hunt Forward & Service Cyber Component Deployable Mission Support Systems (DMSS) kits), DoDIN and INDOPACOM Enhanced Sensing and Mitigation, data analytics and Cyber mission Force (CMF) access to commercially available data on mission relevant cyber threats required to evaluate, analyze, and counter Malicious Cyber Activity (MCA)/Malign Influence Activity (MIA). Hunt Forward and DMSS kits are a self-contained, flyaway equipment (software and hardware) operated by Cyber Protection Teams (CPTs) to survey, secure and protect military networks, data centers and to conduct Vulnerability Analysis (VA), Incident Response (IR) with little or no notice concurrently on classified and unclassified networks. The CPTs maintain the ability to locate, contain, and defeat malicious activity in response to an adversary breaching or attempting to breach DoD information systems.</p> <p>FY 2024 Plans: Supports research and development providing cyberspace defense capability that protects the DoD network enclaves, to include:</p> <ul style="list-style-type: none"> - Develops emerging CNMF commercial data feeds and tools to pursue evolving MCAs and to detect and engage emerging adversarial technologies targeting DoD associated computer systems, software applications and sensitive operational information. Protects against unauthorized intrusion, corruption, and/or destruction. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), commercial data feeds and tools is necessary for use by the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities. 	-	0.000	21.043

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50S1 / <i>Data and Sensors</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>- Provides for JFHQ-DODIN Data Science/Data Engineering Analytics Capability Support to architect and orchestrate tools leveraging the latest advancements in data and information sciences. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled with the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. Several U.S. academic institution cyber security curriculums they perform cutting edge research with their staff and students. By forming close collaborative relationships with academia, JFHQ-DODIN engages these experts as they postulate future threats, blueprint potential attack strategies, propose architectures and concepts to defeat those threats and prototype solutions suitable for experimentation with actual threat data. Key benefits to performing research with academia include 1) integrating new concepts into JFHQ-DODIN strategy and planning much earlier, and 2) engaging students through their course work and research to understand the DoD cyber security environment so they are encouraged to work in this area post-graduation.</p> <p>- Provides for INDOPACOM's regional National Defense Strategy to maintain/restore the comparative U.S. military advantage with respect to the region adversaries and to reduce risk regarding DoD contingency plan execution. These Enhanced Sensing investments provide: specialized INDOPACOM Low-Level Network Sensing and Defense capability, data feed, and analytic resources; increased efforts to discover and characterize adversary networks. These activities and resources are necessary to maintain or restore U.S. comparative military advantage and reduce risk of executing Department of Defense contingency plans in support of U.S. national security interests per the FY 2022 NDAA section 1242.</p> <p>FY 2025 Plans: FY 2025 funding will support the down select to the most efficient prototype and complete contract actions for consolidated procurement of kits for the CMF. Funding will allow USCYBERCOM to initiate procurement of the Joint Cyber Hunt Kits (JCHK) and move them into the CMF inventory for mission prosecution.</p> <p>Funding supports sustainment of current kits procured and deployed using Service contracts until refresh cycles have been completed.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 funding was 31.791 in project CY09.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command	Date: March 2024
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50S1 / <i>Data and Sensors</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
In FY 2025 decrease in funding is due to realignment of funding for participation in the BA08, Software and Digital Technology Pilot Program.			
Accomplishments/Planned Programs Subtotals	-	0.000	21.043

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

N/A

Remarks

D. Acquisition Strategy

The Sensors program acquisition strategy is to leverage previously developed capabilities to establish a more robust and consistent CPT equipment maintenance training program, and standardized repair and replace processes, across the CMF. Contracts will be awarded under full and open competition whenever is possible. Sensors will leverage Defense Innovation Unit (DIU) Other Transactional (OT) authority to award a Prototype Agreement to support the rapid development of a JCHK prototype. OT procedures allow for successful prototype transition into a large production contract. The objective is to transition CPTs to the new DCHS at the beginning of FY26.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50S1 / <i>Data and Sensors</i>

Event Name	FY24				FY25				FY26				FY27				FY28				FY29											
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4								
Data/Sensors																																
Hunt Forward																																
HFO Kits	●				●				●				●																			
Annual Software updates		▲				▲				▲				▲																		
DCHS Next Gen																																
DCHS Kits																																
Annual Software Update					Prototype																											
DCHS Foundational Training									▲				▲				▲				▲											
Advanced Analytics																																

Note: Services will fully transition to the new DCHS kit by FY28 with a 3 yr technology refresh requirement

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50S1 / <i>Data and Sensors</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Sensors				
Sensor event	1	2024	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D2 / <i>Data and Analytics</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
CY50D2: <i>Data and Analytics</i>	-	0.000	0.000	4.867	0.000	4.867	4.979	5.101	5.225	5.329	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

JOINT FORCE HEADQUARTERS (JFHQ)/DOD INFORMATION NETWORK (DODIN) - JFHQ-DoDIN's mission is to exercise command and control (C2) of DODIN Operations and Defensive Cyberspace Operations Internal Defensive Measures (DCO-IDM) globally in order to synchronize the protection of DoD components' capabilities to enable power projection and freedom of action across all DoD network enclaves and warfighting domains. The full mission scope of the JFHQ-DODIN includes: the critical daily requirement to protect the DODIN, a mature Joint Headquarters, management of requirements for global engagement, and the capability to assess the readiness of the DODIN against mission critical Combatant Command Requirements. JFHQ-DODIN provides unity of command between USCYBERCOM and subordinate headquarters and unity of effort with all other DoD Components. Ensures the DODIN is available and secure for Joint Missions, including effects delivered in and through cyberspace, guaranteeing that the readiness posture of DoDIN is maintained.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Data Management</p> <p>Description: JFHQ-DODIN architects and orchestrate tools leveraging the latest advancements in data and information sciences. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain.</p> <p>FY 2024 Plans: Advanced Gap analysis (developing a risk informed Integrated Priority List); Risk analysis, Statistical evaluation of risk – Scope, Assemble, Score, Relate and Enforce (SASR-E), the methodology for conducting threat and terrain informed analysis in support of DOD’s Vulnerability Management (VM) efforts and Mission Relevant Terrain-Cyber (MRT-C) decomposition.</p> <p>FY 2025 Plans: Continued expansion of Gap analysis (developing a risk informed Integrated Priority List); Risk analysis, Statistical evaluation of risk – Scope, Assemble, Score, Relate and Enforce (SASR-E), the methodology for conducting threat and terrain informed analysis in support of DOD’s Vulnerability Management (VM) efforts and Mission Relevant Terrain-Cyber (MRT-C) decomposition.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 funding was 2.087 in PE 0208099JCY, Project CY11.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align Program Elements, projects and budget activities.</p>	0.000	0.000	4.867

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command	Date: March 2024
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D2 / <i>Data and Analytics</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
An increase provides resources for risk analysis, understanding of malicious cyber actor techniques, tactics and procedures, and requirements devolution for the continued understanding of the DoD Information Network (DODIN) in order to improve capabilities that enable the security, operations and defense of the DODIN.			
Accomplishments/Planned Programs Subtotals	0.000	0.000	4.867

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

Remarks

D. Acquisition Strategy
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D2 / <i>Data and Analytics</i>

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

Data Management	
Data Management	[REDACTED]

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D2 / <i>Data and Analytics</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Data Management				
Data Management	4	2024	3	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY06 / <i>Cyber Weapons/Tools</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
CY06: <i>Cyber Weapons/Tools</i>	-	0.000	308.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

USCYBERCOM mission is to deter or defeat strategic threats to US interests and infrastructure, provide mission assurance for the operations and defense of the Department of Defense information environment, and support the achievement of the Joint Force Commander's objectives.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Cyber Weapons/Tools</p> <p>Description: Cyber Weapons and Tools support dual/multi-use tools (i.e. software/hardware) use by the Cyber Mission Force on Joint Assess Platforms to conduct cyberspace operations. Invest in delivery platforms and access points that enable full spectrum operations and integrate offensive cyber into combat operations. Building Lethality requires multiyear investment in cyber capabilities by supporting, platforms, access points and cyber tools to enable full-spectrum offensive and defensive cyberspace operations.</p> <p>FY 2024 Plans: USCYBERCOM Weapons and Tools enhance and sustain common service exploitation frameworks supporting CMF operations based on evolving operational requirements; research, develop, integrate, and procure mission-focused exploit capabilities as a common service to support CMF operations; update Personal Security Protection Testing Services to ensure they support current test needs and facilitate delivered cyber weapons through operational acceptance; perform Functional Acceptance Testing and deliver fully tested foundational cyber weapons into the Government's Development Evaluation (DE) and Operational Evaluation (OE) processes; develop and deliver independently-tested foundational tools suites to incrementally achieve a full complement of required capabilities. The foundational tool suites provide operational agility for CMF cyberspace operations; measure signatures on each spiral of delivered tools to verify uniqueness of tools and diversity of source code; develop and deliver specialized tools, exploits, and research to CMF that enable access to "hard targets."</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY06 to CY50W1: Cyber Weapons/Tools to more clearly align projects and budget activities.</p>	0.000	182.487	-
<p>Title: Marine Corps Cyber Weapons/Tools</p> <p>Description: MARFORCYBER provides advanced cyber warfare capabilities in direct support of USCYBERCOM, Marine Corps Commanders, and national agencies to enable and accomplish global operations. Cyber weapons disrupt rising advanced</p>	0.000	23.471	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024		
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY06 / <i>Cyber Weapons/Tools</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>peer and near-peer threats, as well as violent extremist organizations seeking to do harm to the United States. The software constructed cyber weapons are target specific and require high quality, rapid adjustments to achieve desired effects at an acceptable level of risk.</p> <p>FY 2024 Plans: FY 2024 funding for MARFORCYBER continues to improve its FY 2023 services, by expanding the capabilities incorporating new data and analytics providing for improved protection of offensive capabilities.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY06 to CY50W1: Cyber Weapons/Tools to more clearly align projects and budget activities.</p>				
<p>Title: Army Cyber Weapons/Tools</p> <p>Description: Army Payloads provide advanced offensive cyber warfare capabilities to the 780th MIB / Joint Force Headquarters Cyber – Army (JFHQ-C (A)) in direct support of USCYBERCOM, other Combatant Commands (COCOMs), unified commands, and national agency cyber warfighting requirements. Cyber weapons disrupt rising advanced peer and near-peer threats, as well as violent extremist organizations seeking to do harm to the United States. The software constructed cyber weapons require high quality, rapid adjustments to achieve desired effects at an acceptable level of risk.</p> <p>FY 2024 Plans: Develop cyber tools to disrupt advanced peer to peer threats. Develop software cyber weapons that can rapidly adjust while maintaining an acceptable risk level.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY06 to CY50W1: Cyber Weapons/Tools to more clearly align projects and budget activities.</p>		0.000	20.565	-
<p>Title: Navy Cyber Weapons/Tools</p> <p>Description: : Navy Cyber Weapons and Tools develop Navy foundational and specialized cyber tools in support of the CMF in accordance with requirements, guidance, and previous work completed, focusing on the following activities: Cyberspace additional support facilities and infrastructure; Program office, program management, engineering, administrative, and security support; Specialized Cyberspace technical, engineering, and management capabilities; Expand Cyberspace Activities development network and network support; Cyberspace hardware and software reverse engineering development; Research and Development (R&D) activities leading to cyber tool opportunities and vulnerabilities; Cyberspace tool development of Foundational and Reserve Tool Kits; and Cyberspace activity logistics support.</p>		0.000	44.161	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY06 / <i>Cyber Weapons/Tools</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p><i>FY 2024 Plans:</i> Enhance specialized cyber tools including hardware and software to engineer solutions to address rapidly changing cyber opportunities and vulnerabilities.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> For FY 2025 and beyond, USCYBERCOM realigned project Code CY06 to CY50W1: Cyber Weapons/Tools to more clearly align projects and budget activities.</p>			
<p><i>Title:</i> Air Force Payloads</p> <p><i>Description:</i> Air Force Payloads provide advanced offensive cyber warfare capabilities to the 16th Air Force / Joint Force Headquarters Cyber – Air Force (JFHQ-C (AF)) in direct support of USCYBERCOM, COCOMs, unified commands, and national agency cyber warfighting requirements. Air Force Payloads directly support the Joint Network Attack Initial Capabilities Document (ICD), the National Military Strategy for Cyberspace Operations (NMS-CO), DoD, USCYBERCOM operational directives, and other formal requirements documents in the delivery of offensive cyber effects.</p> <p><i>FY 2024 Plans:</i> Enhance advanced offensive cyber warfare capabilities proving hardware and software solutions to address rapidly changing threats.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> For FY 2025 and beyond, USCYBERCOM realigned project Code CY06 to CY50W1: Cyber Weapons/Tools to more clearly align projects and budget activities.</p>	0.000	37.936	-
Accomplishments/Planned Programs Subtotals	0.000	308.620	-

<p>C. Other Program Funding Summary (\$ in Millions) N/A</p> <p>Remarks USCYBERCOM realigned the Project Code CY06: Cyber Weapons/Tools to CY50W1 FY2025 forward.</p>

D. Acquisition Strategy
Facilitate the delivery of innovative solutions for existing and emerging technologies to the CMF. Contracts are awarded under full and open competition whenever possible. Variations of both Fixed Price (FP) and Cost Plus (CP) contracting vehicles and the use of Other Transactional Authority (OTA) will be implemented leveraging USCYBERCOM Acquisition authorities. USCYBERCOM will also leverage on various Service Component, Combatant Command and National Security Agency

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
0400 / 7	PE 0306250JCY / <i>Cyber Operations Technology Support</i>	CY06 / <i>Cyber Weapons/Tools</i>

contracting offices for procurement of cyber capabilities and contractor support. Solutions may include the expedited development of innovative capabilities using existing and emerging technologies, thus enabling continued superiority within the cyber domain.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY06 / <i>Cyber Weapons/Tools</i>

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

Cyber Weapons	
Exploitation framework spiral development	████████████████████
Cyber Tools	
AF Payloads - Neptune Rumble	████████████████████
AF Payloads - Wicked Wizard	██
Foundational Tool suites	██

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY06 / <i>Cyber Weapons/Tools</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Cyber Weapons				
Exploitation framework spiral development	1	2024	4	2024
Cyber Tools				
AF Payloads - Neptune Rumble	1	2024	4	2024
AF Payloads - Wicked Wizard	1	2024	3	2026
Foundational Tool suites	1	2024	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / Cyber Operations Technology Support	Project (Number/Name) CY07 / Joint Cyber Warfighting Integration
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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
CY07: Joint Cyber Warfighting Integration	-	0.000	91.214	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

USCYBERCOM created the JCWA as a concept to integrate cyber warfighting systems. JCWA serves as a guiding concept for cyber warfighting acquisitions and investment decisions which address functions, relationships, and dependencies of constituent systems.

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

	FY 2023	FY 2024	FY 2025
Title: Joint Cyber Warfighting Architecture (JCWA)	0.000	91.214	0.000
Description: USCYBERCOM created the JCWA as a concept to integrate cyber warfighting systems. JCWA serves as a guiding concept for cyber warfighting acquisitions and investment decisions which address functions, relationships, and dependencies of constituent systems.			
FY 2024 Plans: JCWA funds synchronize cyber warfighting programs across the DOD. The JCWA includes a range of software-enabled systems, sensors, and tools integrate systems that enable the warfighter.			
FY 2025 Plans: USCYBERCOM realigned the Project CY07: to Project CY50JI Joint Warfighting Integration FY2025 forward.			
FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY07 to CY50J1: Cyber Weapons/Tools to more clearly align projects and budget activities.			
Accomplishments/Planned Programs Subtotals	0.000	91.214	0.000

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

N/A

Remarks

USCYBERCOM realigned the Project Code CY07: to CY50JI Joint Warfighting Integration FY2025 and forward.

D. Acquisition Strategy

N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY07 / <i>Joint Cyber Warfighting Integration</i>

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

JWCA																												
JWCA																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY07 / <i>Joint Cyber Warfighting Integration</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JWCA				
JWCA	1	2024	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY08 / MDDE
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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
CY08: MDDE	-	0.000	37.760	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element includes non-USCYBERCOM civilian pay expenses required to manage, execute, and deliver existing or emergent support weapon system capability in accordance with USCYBERCOM Memorandum of Agreement (MOA).

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

	FY 2023	FY 2024	FY 2025
Title: MDDE	0.000	37.760	-
Description: US Cyber Command (USCYBERCOM) conducts full-spectrum cyberspace operations to assist Combatant Commanders and the Joint Force in accomplishing their mission objectives in and through cyberspace.			
FY 2024 Plans: Develop and expand service Cyber Weapon Payload capabilities via partnership with each service's target aligned development and acquisition efforts (i.e., Army (JFHQ-C Army), Air Force (JFHQ-C Air Force), Marines (JFHQ-C Marines), Navy (JFHQ-C Navy)).			
FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY08 to CY50M1: Cyber Weapons/Tools to more clearly align projects.			
Accomplishments/Planned Programs Subtotals	0.000	37.760	-

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

N/A

Remarks

USCYBERCOM realigned the resources in Project Code CY08: MDDE to CY50M1 FY2025 and forward.

D. Acquisition Strategy

N/A

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY08 / <i>MDDE</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MDDE				
Event	1	2024	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0306250JCY / Cyber Operations Technology Support				Project (Number/Name) CY09 / Sensors			
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
CY09: Sensors	-	0.000	31.791	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Sensors portfolio includes Hunt Forward, Enhanced Sensing and Mitigation, DMSS kits plus investment in other sensors used to support the CMF. DMSS kits are a self-contained, flyaway equipment. The software and hardware are operated by CPT to survey, secure and protect military networks, data centers and to conduct Vulnerability Analysis (VA), Incident Response (IR) with little or no notice concurrently on classified and unclassified networks. The CPTs maintain the ability to locate, contain, and defeat malicious activity in response to an adversary breaching or attempting to breach DoD information systems.

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

	FY 2023	FY 2024	FY 2025
Title: Sensors	0.000	31.791	0.000
Description: The Sensors portfolio includes Hunt Forward, Enhanced Sensing and Mitigation, Deployable Mission Support Systems (DMSS) kits plus investment in other sensors used to support the Cyber mission Force (CMF). DMSS kits are a self contained, flyaway equipment. The software and hardware are operated by Cyber Protection Teams (CPTs) to survey, secure and protect military networks, data centers and to conduct Vulnerability Analysis (VA), Incident Response (IR) with little or no notice concurrently on classified and unclassified networks. The CPTs maintain the ability to locate, contain, and defeat malicious activity in response to an adversary breaching or attempting to breach DoD information systems.			
FY 2024 Plans: Supports research and development. Provides cyberspace defense capability that protects the DoD network enclaves, to include their associated computer systems, software applications and sensitive operational information against unauthorized intrusion, corruption, and/or destruction. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), DMSS kits are necessary for use by the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.			
FY 2025 Plans: FY2025 and forward, Project CY09 Sensors realigned to Project CY50S1 Sensors.			
FY 2024 to FY 2025 Increase/Decrease Statement: For FY 2025 and beyond, USCYBERCOM realigned project Code CY07 to CY50S1: Cyber Weapons/Tools to more clearly align projects and budget activities.			
Accomplishments/Planned Programs Subtotals	0.000	31.791	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY09 / <i>Sensors</i>

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

N/A

Remarks

FY2025 and forward, Project CY09 Sensors realigned to Project CYS01 Sensors in FY2025 and forward.

D. Acquisition Strategy

N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY09 / <i>Sensors</i>

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

Sensors	
Sensor event	[REDACTED]

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command **Date:** March 2024

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY09 / <i>Sensors</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Sensors				
Sensor event	1	2024	4	2024