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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 / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0208085JCY / <i>Robust Infrastructure</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	-	154.375	-	154.375	117.624	118.795	118.862	121.241	Continuing	Continuing
CY85P1: <i>JCAP</i>	0.000	0.000	-	95.208	-	95.208	97.213	99.254	101.333	103.360	Continuing	Continuing
CY85R1: <i>Other Robust Infrastructure</i>	-	0.000	-	59.167	-	59.167	20.411	19.541	17.529	17.881	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.

Robust Infrastructure are the platforms necessary to conduct offensive and defensive cyberspace operations. The Joint Common Access Platform (JCAP) supports USCYBERCOM by providing a protected, managed, orchestrated environment and common firing platform to coordinate and execute the delivery of cyber effects against approved targets. This capability enables Cyber Mission Forces' (CMF) ability to execute operations while managing detection and attribution. The JCAP program leverages existing service access platform programs, with the objective of combining, enhancing, and evolving existing program baselines into a "Best of Breed" JCAP.

The Robust Infrastructure portfolio provides select resources in support of Defensive Cyber Operations, such as the managed unclassified infrastructure that provides virtual tenant spaces for Cyber National Mission Force (CNMF) Hunt Forward Operations (HFO) missions. CNMF conducted 22 HFO deployments to support foreign allies/partners over FY 2023.

Robust Infrastructure also includes Cyberspace Rapid Response Platform (CRRP) resources critical for CYBERCOM's CNMF to successfully implement new and extended capabilities, services, tradecraft/tactics, and partnerships optimized to accelerate and expand opportunities to counter adversary aggression, especially when arising under no-notice and other emergent / crisis scenarios. CRRP resources are foundational for the success of the CNMF's new Joint Task Force ZERO, which is charged with rapid access generation, innovation, and transfer of actionable cyber insights and methods across the CNMF as a whole, to other CYBERCOM elements, and to designated partners.

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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	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	154.375	-	154.375
Total Adjustments	0.000	0.000	154.375	-	154.375
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Budget Realignment	-	-	154.375	-	154.375

Change Summary Explanation

For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.

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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 0208085JCY / Robust Infrastructure				Project (Number/Name) CY85P1 / JCAP			
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
CY85P1: JCAP	0.000	0.000	-	95.208	-	95.208	97.213	99.254	101.333	103.360	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.

The JCAP supports USCYBERCOM by providing a protected, managed, orchestrated environment and common firing platform to coordinate and execute the delivery of cyber effects against approved targets. This capability enables CMF's ability to execute operations while managing detection and attribution. The JCAP program leverages existing service access platform programs, with the objective of combining, enhancing, and evolving existing program baselines into a "Best of Breed" JCAP.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Joint Common Access Platform (JCAP)</p> <p>Description: The JCAP supports USCYBERCOM by providing a protected, managed, orchestrated environment and common firing platform to coordinate and execute the delivery of cyber effects against approved targets. This capability enables CMF's ability to execute operations while managing detection and attribution. The JCAP program expands upon existing service access platform programs, with the objective of combining, enhancing, and evolving existing program baselines into a "Best of Breed," constantly evolving JCAP.</p> <p>Accomplishments: JCAP has successfully integrated cross-service capabilities into a fielded product to provide a common platform for delivery of all future offensive cyberspace actions. JCAP has also delivered two Minimum Viable Capability Releases (MVCRs) in FY 2023 to replace multiple service-developed cyber infrastructures.</p> <p>FY 2025 Plans: FY 2025 JCAP funding supports CDRUSCYBERCOM priorities to deliver capabilities that enhance the platforms effectiveness while maintaining mission readiness. Continuous JCAP releases are planned to maintain readiness and address emerging technologies while staying aligned to USCYBERCOM priorities. Enhancements to the platform include:</p> <ul style="list-style-type: none"> • Modernizing the infrastructure and software by transitioning from on-premises cloud to a hybrid-cloud architecture to optimize and increase capacity to support CMF operational demands • Adding a second data center to ensure continuity of operations and expand capacity • Deliver a federated security operations center that expands defensive cyberspace capabilities to all four cyber service components 	-	-	95.208

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<ul style="list-style-type: none"> Managing infrastructure orchestration across data centers for increased resiliency and failover Integrating with other JCWA components, specifically integration of new cyber effects and enhancements in interoperability across the JCWA portfolio with the Joint Cyber Command and Control (JCC2), Unified Platform (UP), Persistent Cyber Training Environment (PCTE), and the Joint Deployment Environment (JDE). <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> FY 2024 funding is 89.452 in BA07 project CY05.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.</p> <p>The FY 2025 increase supports modernization of JCAP infrastructure and software. This includes implementing machine learning and large language models to improve security of the platform. Additionally, JCAP will automate the ingestion of Cyber Task Order mission data to accelerate pre-mission activities.</p>			
Accomplishments/Planned Programs Subtotals	-	-	95.208

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

N/A

Remarks

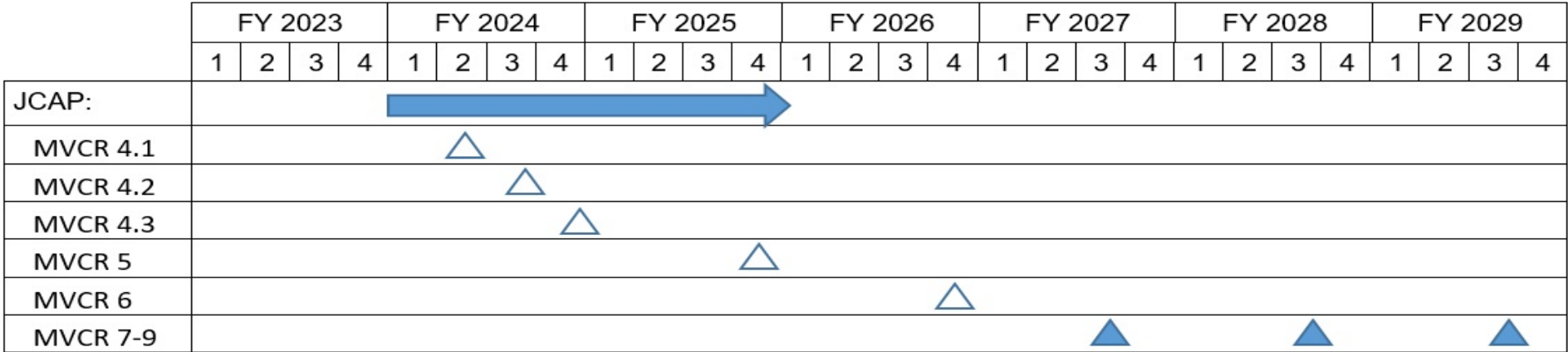
D. Acquisition Strategy

The Joint Common Access Platform (JCAP) program leverages existing service access platform programs, with the objective of combining, enhancing, and evolving existing program baselines into a "Best of Breed" JCAP and transitioning of R&D capabilities from Defense Advanced Research Projects Agency (DARPA) and Federally Funded Research and development Centers (FFRDCs).

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

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- MVCR 4.1: Bi-Directional Data Flow
- MVCR 4.2: Cross Domain Solution Raise the Bar 3.0 Compliance
- MVCR 4.3: Classified Mission Management
- MVCR 5: Hybrid-Cloud, Data Centers with Failover and Resiliency Enhancements, and Federated Security Operations Center
- MVCR 6: Off-Net Bridging Operations, JCWA Interoperability, and Integrate New Joint Cyber Weapons
- MVCR 7-9: Data Center Technical Refresh, Operator/User Driven Enhancements, and JCWA Integration

*Minimum Viable Capability Release (MVCR)

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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 0208085JCY / <i>Robust Infrastructure</i>	Project (Number/Name) CY85P1 / <i>JCAP</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Joint Common Access Platform (JCAP)</i>				
Joint Common Access Platform (JCAP)	1	2024	4	2028
<i>Other Cyber Operations Infrastructure</i>				
Other Cyber Operations Infrastructure	1	2024	4	2028

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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208085JCY / <i>Robust Infrastructure</i>	Project (Number/Name) CY85R1 / <i>Other Robust Infrastructure</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
CY85R1: <i>Other Robust Infrastructure</i>	-	0.000	-	59.167	-	59.167	20.411	19.541	17.529	17.881	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Robust Infrastructure portfolio provides select resources in support of Defensive Cyberspace Operations, such as the managed unclassified infrastructure that provides virtual tenant spaces for CNMF Hunt Forward Operations missions.

Robust Infrastructure also includes Cyberspace Rapid Response Platform (CRRP) resources critical for USCYBERCOM's CNMF to successfully implement new and extended capabilities, services, tradecraft/tactics, and partnerships optimized to accelerate and expand opportunities to counter adversary aggression, especially where arising under no-notice and other emergent / crisis scenarios. CRRP resources are foundational for the success of the CNMF's new Joint Task Force ZERO, which is charged with rapid access generation, innovation, and transfer of actionable cyber insights and methods across the CNMF as a whole, to other USCYBERCOM elements, and to designated partners.

The CENTURION effort involves 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.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Other Robust Infrastructure</p> <p>Description: The Robust Infrastructure portfolio provides select resources in support of Defensive Cyberspace Operations, such as the managed unclassified infrastructure that provides virtual tenant spaces for CNMF Hunt Forward Operations missions. Through November 2023, the CNMF conducted 22 HFO deployments to support foreign allies/partners over 2023 -- hunting abroad to find common adversaries, helping partners defend their sensitive networks, and enhancing strategic relationships.</p> <p>Robust Infrastructure also includes Cyberspace Rapid Response Platform (CRRP) resources critical for USCYBERCOM's Cyber National Mission Force to successfully implement new and extended capabilities, services, tradecraft/tactics, and partnerships optimized to accelerate and expand opportunities to counter adversary aggression, especially when arising under no-notice and other emergent / crisis scenarios. CRRP resources are foundational for the success of the CNMF's new Joint Task Force ZERO, which is charged with rapid access generation, innovation, and transfer of actionable cyber insights and methods across the CNMF as a whole, to other USCYBERCOM elements, and to designated partners.</p> <p>The CENTURION effort involves 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.</p>	0.000	-	59.167

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p><i>FY 2025 Plans:</i> Funding in FY 2025 for Robust Infrastructure supports increasing maturity in acquiring, deploying, and improving technical infrastructure, expert contract services, and low-equity cyber tooling to meet the specific rapid access generation and tradecraft innovation/transfer needs of CNMF's Joint Task Force ZERO.</p> <p>FY 2025 funding for CENTURION 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. CENTURION will also deliver additional non-kinetic capabilities/ applications 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 a roadmap to integrate RF enabled capabilities on partner platforms that enable full-spectrum cyber operations with initial demonstrated capability by the fourth quarter of FY 2025.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> FY 2024 funding was 80.730 in BA04 project CY05.</p> <p>The FY 2024 to FY 2025 reduction comes from a shift of CRRP efforts from development to O&M. FY 2024 CRRP includes a high amount of infrastructure and tools investment, which will have ongoing expenses but no major refresh in FY 2025.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects and budget activities.</p>			
Accomplishments/Planned Programs Subtotals	0.000	-	59.167

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

N/A

Remarks

D. Acquisition Strategy

Acquisition for CNMF and Defense Cyberspace Operations infrastructure encompasses a diverse spectrum of sources to contribute technical solutions, services, and tools, as well as hardware/software products needed for classified test and integration at CNMF locations. These sources include established cleared defense contractors, small businesses, minority/disadvantaged businesses, partner agencies, and less traditional providers.

CENTURION'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.

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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

<i>Other Cyber Operations Infrastructure</i>	
Other Cyber Operations Infrastructure	[REDACTED]

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Other Cyber Operations Infrastructure</i>				
Other Cyber Operations Infrastructure	4	2024	3	2026