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

<b>Appropriation/Budget Activity</b> 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 4: Advanced Component Development & Prototypes (ACD&P)	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / Cyber Training Environment
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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	114.980	158.345	-	158.345	126.987	123.271	139.613	142.405	Continuing	Continuing
CY86T1: Cyber Training Environment	0.000	0.000	0.000	158.345	0.000	158.345	126.987	123.271	139.613	142.405	Continuing	Continuing
CY01: Cyber Training Environment	-	0.000	114.980	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

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

Persistent Cyber Training Environment (PCTE) supports the United States Cyber Command (USCYBERCOM) by enabling the critical need for the DoD Cyber Mission Force (CMF) to train at the individual, team, and force level. PCTE provides the DoD CMF with a standardized training capability that maximizes shared content across the Services. PCTE is able to emulate network environments and connects with other range environments and cyber training assets. The Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI) was designated as the DoD Acquisition Lead for the PCTE, and the program is directed by the FY 2016 National Defense Authorization Act, Section 1645. The PCTE program achieved Milestone B on 6 December 2019, with the Joint Requirements Oversight Council (JROC) validation of the Information System - Capability Development Document (IS- CDD) on 4 November 2019. Through ongoing rapid prototyping efforts, the PCTE platform has fulfilled the critical need for a CMF standardized training capability upon release of PCTE Version 2 in Fourth Quarter Fiscal Year 2020 and continues to do so with ongoing version releases.

**B. Program Change Summary (\$ in Millions)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	0.000	114.980	158.345	-	158.345
Current President's Budget	0.000	114.980	158.345	-	158.345
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			

**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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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>				<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</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>
CY86T1: <i>Cyber Training Environment</i>	0.000	0.000	0.000	158.345	0.000	158.345	126.987	123.271	139.613	142.405	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

PCTE supports the United States Cyber Command (USCYBERCOM) by enabling the critical need for the DoD CMF to train at the individual, team, and force level. PCTE provides the DoD CMF with a standardized training capability that maximizes shared content across the Services. PCTE emulates network environments and connects with other range environments and cyber training assets. The Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI) was designated as the DoD Acquisition Lead for the PCTE, and the program is directed by the 2016 National Defense Authorization Act, Section 1645. The PCTE program achieved Milestone B on 6 December 2019 with the Joint Requirements Oversight Council (JROC) validation of the Information System - Capability Development Document (IS-CDD) on 4 November 2019, the PCTE program quickly achieved Milestone B on 6 December 2019. Through ongoing rapid prototyping efforts, the PCTE platform has fulfilled the critical need for a CMF standardized training capability upon release of PCTE Version 2 in Fourth Quarter Fiscal Year 2020 and continues to do so with ongoing version releases.

FY 2025 PCTE funding will focus on capability improvements that enhance CMF operations and support to mission readiness. Areas of planned enhancements will focus on feature updates and capacity expansion required to deliver accelerated PCTE schoolhouse training, improved CMF Joint Qualification Requirements (JQRs) training and increased mission rehearsal capabilities. Some improvements to the PCTE capability include instructor course management, improved notifications and alerts functionality, and automated environment building. PCTE will integrate scalable enterprise platforms for the SECRET/RELEASABLE and TOP SECRET enclaves. PCTE will continue to expand infrastructure on existing UNCLASSIFIED platforms. The PCTE platform will continue collaboration with all stakeholders within the Joint Cyber Warfighting Architecture (JCWA) and continue integration efforts across the JCWA portfolio as prioritized through USCYBERCOM. The PCTE platform will maintain accreditations at all required classification levels that to serve DoD CMF user training at all domains classification levels. Platform infrastructure and licensing will be maintained to support the full DoD CMF user base.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Event Management for Persistent Cyber Training Environment (PCTE)	-	-	93.951
<b>Description:</b> Design, build and iterate PCTE capabilities; build upon individual, collective and institutional training features supporting operational force training requirements supported by standardized training assessment tools and capabilities; develop improved readiness functions, event scheduling, allocation and management for PCTE to include event design, planning, and execution.			
<b>FY 2025 Plans:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>FY 2025 PCTE funding will continue to focus on capability improvements that enhance CMF operations and support mission readiness. Areas of planned enhancements are comprised of PCTE application features and capability updates required to accelerate initial PCTE schoolhouse training, improve CMF JQRs training, and increase mission rehearsal capabilities. Improvements to the PCTE capability such as instructor course management, improved notifications and alerts functionality, automated environment building, and external content integration will be developed and integrated to support USCYBERCOM holistic readiness objectives.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> The FY 2025 funding accounts for PCTE capability development related to the continued capacity expansion efforts. In FY 2025 execution of these resources continue to focus on CMF schoolhouse integration and mission rehearsal.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project from project CY01 to project CY86T1 to more clearly align projects and budget activities.</p>				
<p><b>Title:</b> Environment Operations and Management for Persistent Cyber Training Environment (PCTE)</p> <p><b>Description:</b> Development of PCTE with mission-relevant terrain and realistic vignettes/scenarios as part of a system (syllabus) of individual and collective training that includes certification and real-world mission rehearsals.</p> <p><b>FY 2025 Plans:</b> FY 2025 PCTE funding will continue to focus on integrating the capability as part of the JCWA data fabric in collaboration with all component stakeholders. To enhance CMF operations and support mission readiness, PCTE plans to focus on JCWA mission objectives through continuing execution of USCYBERCOM prioritized mission threads focused on integration with Joint Cyber Command and Control (JCC2), Joint Common Access Platform (JCAP), Unified Platform (UP), and Joint Development Environment (JDE) that increase mission relevant content sharing, integration computation and data exchange related to the USCYBERCOM identified priorities.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> The FY 2025 funding increase supports the continued integration efforts across the JCWA portfolio. An increase in integration activity with JDE is directly related to the CMF Mission Rehearsal requirements.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project from project CY01 to project CY86T1 to more clearly align projects and budget activities.</p>		-	-	10.190
<p><b>Title:</b> Physical and Virtual Connectivity for the Persistent Cyber Training Environment (PCTE)</p>		-	-	51.794

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b>Description:</b> PCTE maintains an infrastructure that is highly dynamic mainly consisting of Regional Compute and Storage (RCS) nodes that enables on demand, reliable, and secure virtual access from anywhere participants are geographically located. Additionally, the PCTE RCS infrastructure creates a core cyber exercise integrated network and event management platform to support CMF training on all domains and classification levels.</p> <p><b>FY 2025 Plans:</b> FY 2025 PCTE funding will focus on enabling the platform infrastructure to scale to meet CMF readiness objectives. As part of the technical refresh strategy, PCTE will integrate scalable enterprise platforms for the SECRET/RELEASABLE and TOP SECRET enclaves. PCTE will continue to expand infrastructure on existing UNCLASSIFIED platforms, expanding RCS capacity and delivering infrastructure improvements required to enable schoolhouse training on PCTE, significantly increasing PCTE’s ability to host CMF JQR training and expanding mission rehearsal capabilities. To support readiness, PCTE infrastructure will continue to leverage DoD and commercial enterprise transport services at the UNCLASSIFIED, SECRET/RELEASABLE, and TOP SECRET enclaves.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> In FY 2025, PCTE will increase efforts delivering infrastructure improvements, Mission Rehearsal objectives, and SECRET/RELEASABLE enterprise solutions for qualifications and schoolhouse training.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project from project CY01 to project CY86T1 to more clearly align projects and budget activities..</p>			
<p><b>Title:</b> Persistent Cyber Training Environment (PCTE) Test and Evaluation</p> <p><b>Description:</b> PCTE integration, development, and operational testing which includes validation and verifications (V&amp;V), operational assessments (OA), and testing in association with cyber training exercises. These areas are incorporated throughout the Product Manager (PM) Development Operations (DevOps) process in coordination with the Director, Operational Test and Evaluation (DOT&amp;E). An Operational Test Authority (OTA) has been incorporated to conduct operational testing leveraging DevOps processes.</p> <p><b>FY 2025 Plans:</b> Testing will continue in FY 2025 with integration and V&amp;V testing of the integration activities focused on the PCTE scalable enterprise solutions supporting the Commander USCYBERCOM (CDRUSCYBERCOM) priorities. PCTE will conduct integrated and targeted Developmental Testing and Operational Testing to verify capability features are operational and gather user feedback to assess effectiveness and suitability. An increase in scalability testing efforts are planned to assess capacity improvements. PCTE will conduct a series of cybersecurity purple teaming test as well as Persistent Cyber Operations test</p>	-	-	2.410

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2023	FY 2024	FY 2025
<p>conducted by an NSA certified red team to ensure a resilient PCTE capability. Operational Test efforts in FY 2025 include integration testing with other platforms within the JCWA.</p> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b>                      In FY 2025, PCTE will increase test and evaluation efforts supporting the increase in infrastructure improvements. As the TOP SECRET and SECRET/RELEASABLE enterprise solutions are provisioned, developmental and operational testing efforts would increase in parallel to assess effectiveness, suitability, and survivability of the platform related to the CDRUSCYBERCOM. A part of developmental test will include an increase in scalability testing on the enterprise solutions being integrated.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project from project CY01 to project CY86T1 to more clearly align projects and budget activities..</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	158.345

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

**Remarks**  
N/A

**D. Acquisition Strategy**  
 The PCTE program employs an incremental acquisition strategy leveraging a number of contracting vehicles and acquisition streamlining methods to deliver capability rapidly and efficiently. Through the execution of existing cyber contracts, Other Transactional Authority (OTA) contracts, and Federal Acquisition Regulation (FAR) based contracts, the PCTE program is able to continue enabling the PCTE platform to achieve scalability, optimization, innovation, and quality standards to meet the dynamic needs of the CMF user base. The Product Manager awarded an integration focused Single Award Indefinite Delivery/Indefinite Quantity (ID/IQ) contract to serve PCTE as well as other cyber community customers called the Cyber Training, Readiness, Integration, Delivery, and Enterprise Technology (TRIDENT) contract on Q1 FY 2022. The Cyber TRIDENT contract enables PCTE to provide iterative capability to address Cyber Command mission objectives with a primary focus on feature updates and capacity expansion required to deliver PCTE schoolhouse training, improved CMF JQRs training and increased mission rehearsal capabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Cyber Command												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
0400 / 4				PE 0208086JCY / Cyber Training Environment				CY86T1 / Cyber Training Environment							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PCTE Development and Integration Support	C/IDDQ	Various : Various	-	-		0.000		10.190	Mar 2025	-		10.190	Continuing	Continuing	-
PCTE Cyber Training, Readiness, Integration, Delivery, and Enterprise Technology (TRIDENT) Contract	C/IDDQ	Various : Various	-	-		0.000		87.732	May 2025	-		87.732	Continuing	Continuing	-
PCTE Development and Integration - Other Contracts	Option/FFP	Various : Various	-	-		0.000		58.013	Apr 2025	-		58.013	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.000		155.935		-		155.935	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PCTE Government Test and Evaluation	Option/Various	Various : Various	-	-		0.000		2.410	Apr 2025	-		2.410	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.000		2.410		-		2.410	Continuing	Continuing	N/A
<b>Project Cost Totals</b>			-	-		0.000		158.345		-		158.345	Continuing	Continuing	N/A
<b>Remarks</b>															

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</i>
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Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Platform Releases (v1.0 - v7.0) - (IS-CDD 1)	Platform Releases [v1.0 - v7.0] - [IS-CDD 1]																											
PCTE v4.0	1 PCTEv4.0																											
PCTE v5.0	2 PCTEv5.0																											
PCTE v6.0	3 PCTEv6.0																											
PCTE v7.0	4 PCTEv7.0																											
Platform Releases (v8.0 - v13.0) - (IS-CDD 2)																	Platform Releases [v8.0] - [IS-CDD 2]											
PCTE v8.0																	5 PCTEv8.0											
PCTE v9.0																					6 PCTEv9.0							
PCTE v10.0																					7 PCTEv10.0							
PCTE v11.0																					8 PCTEv11.0							
PCTE v12.0																					9 PCTEv12.0							
PCTE v13.0																					10 PCTEv13.0							

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 United States Cyber Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY86T1 / <i>Cyber Training Environment</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Platform Releases (v8.0-v13.0 - (IS-CDD 2) 02-2024 to 04-2026</i></b>				
PCTE v8.0	2	2024	2	2024
PCTE v9.0	4	2024	4	2024
PCTE v10.0	2	2025	2	2025
PCTE v11.0	4	2025	4	2025
PCTE v12.0	2	2026	2	2026
PCTE v13.0	4	2026	4	2026

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>				<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</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>
CY01: <i>Cyber Training Environment</i>	-	0.000	114.980	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**

PCTE supports the USCYBERCOM by enabling the critical need for the DoD CMF to train at the individual, team, and force level. PCTE provides the DoD CMF with a standardized training capability that maximizes shared content across the Services. PCTE emulates network environments as well as connect with other range environments and cyber training assets. The PEO STRI was designated as the DoD Acquisition Lead for the PCTE and the program is directed by the 2016 National Defense Authorization Act, Section 1645. With the JROC validation of the IS-CDD on 4 November 2019, the PCTE program quickly achieved Milestone B on 6 December 2019. Through ongoing rapid prototyping efforts, the PCTE platform has fulfilled the critical need for a CMF standardized training capability upon release of PCTE Version 2 in Fourth Quarter Fiscal Year 2020 and continues to do so with ongoing version releases.

FY 2024 PCTE funding focuses on CDRUSCYBERCOM priorities within platform releases to include capability improvements that enhance CMF operations and support mission readiness. Areas of planned enhancements focus on feature updates and capacity expansion required to deliver initial PCTE schoolhouse training, improved CMF JQRs training and increased mission rehearsal capabilities. The PCTE platform continues collaboration with all stakeholders within the JCWA, and continue integration efforts across the JCWA portfolio as prioritized through USCYBERCOM. The PCTE platform maintains accreditations at all required classification levels that to serve DoD CMF user training at all domains classification levels. Platform infrastructure and licensing supports the full DoD CMF user base.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Event Management for Persistent Cyber Training Environment (PCTE)	0.000	68.221	0.000
<b>Description:</b> Design, build and iterate PCTE capabilities; build upon individual, collective and institutional training features supporting operational force training requirements supported by standardized training assessment tools and capabilities; develop improved readiness functions, event scheduling, allocation and management for PCTE to include event design, planning, and execution.			
<b>FY 2024 Plans:</b> FY 2024 PCTE funding focuses on CDRUSCYBERCOM priorities within platform releases to include capability improvements that enhance CMF operations and support mission readiness. Areas of planned enhancements are comprised of PCTE application features and capability updates required to accelerate initial PCTE schoolhouse training, improve CMF JQRs training, and increase mission rehearsal capabilities. Improvements to features such as readiness assessment, traffic generation, learning			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>management, training content development and discoverability continue to mature to support USCYBERCOM holistic readiness objectives.</p> <p><b>FY 2025 Plans:</b> FY2025 and forward, project CY01 realigned to project CY86T1.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align projects.</p> <p>See new project code CY86T1 for further justification information.</p>				
<p><b>Title:</b> Environment Operations and Management for Persistent Cyber Training Environment (PCTE)</p> <p><b>Description:</b> Development of PCTE with mission-relevant terrain and realistic vignettes/scenarios as part of a system (syllabus) of individual and collective training that includes certification and real-world mission rehearsals.</p> <p><b>FY 2024 Plans:</b> FY 2024 PCTE funding continues to focus on USCYBERCOM priorities to integrate the capability as part of the JCWA data fabric in collaboration with all component stakeholders. To enhance CMF operations and support mission readiness, PCTE plans to focus on JCWA mission objectives that increase mission relevant content sharing, integration computation and data exchange.</p> <p><b>FY 2025 Plans:</b> FY2025 and forward, project CY01 realigned to project CY86T1.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> USCYBERCOM realigned project codes. See new project code CY86T1 for further justification information.</p>		0.000	7.399	0.000
<p><b>Title:</b> Physical and Virtual Connectivity for the Persistent Cyber Training Environment (PCTE)</p> <p><b>Description:</b> PCTE maintains an infrastructure that is highly dynamic mainly consisting of nodes that enables on demand, reliable, and secure virtual access from anywhere participants are geographically located. Additionally, the PCTE RCS infrastructure creates a core cyber exercise integrated network and event management platform to support CMF training on all domains and classification levels.</p> <p><b>FY 2024 Plans:</b> FY 2024 PCTE funding focuses on CDRUSCYBERCOM priorities that enable the platform infrastructure to scale to meet CMF readiness objectives. As part of the technical refresh strategy, PCTE introduces a scalable enterprise platform infrastructure. This new approach provides enhancements to expand RCS capacity and deliver infrastructure improvements required to enable schoolhouse training on PCTE, significantly advance CMF JQRs training and increase mission rehearsal capabilities. To support</p>		0.000	37.610	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Cyber Command	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2023	FY 2024	FY 2025
<p>readiness, PCTE infrastructure continues to leverage DoD and commercial enterprise transport services at the Unclassified, Secret/Releasable, and Top-Secret enclaves.</p> <p><b>FY 2025 Plans:</b> FY2025 and forward, project CY01 realigned to CY86T1.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> USCYBERCOM realigned project codes. See new project CY86T1 for further justification information.</p>			
<p><b>Title:</b> Persistent Cyber Training Environment (PCTE) Test and Evaluation</p> <p><b>Description:</b> PCTE integration, development, and operational testing which includes validation and verifications (V&amp;V), operational assessments (OA), and testing in association with cyber training exercises. These areas are incorporated throughout the Product Manager (PM) Development Operations (DevOps) process in coordination with the Director, Operational Test and Evaluation (DOT&amp;E). An Operational Test Authority (OTA) has been incorporated to conduct operational testing leveraging DevOps testing processes.</p> <p><b>FY 2024 Plans:</b> Testing continues in FY 2024 with integration and V&amp;V testing of the PCTE capability on a per-version basis. To decrease the time it takes to identify and resolve emerging Cyber threats on the platform, PCTE is subject to continuous Cybersecurity focused test activities in FY 2024 through a concept called Persistent Cyber Operations. Operational Test efforts in FY 2024 include integration testing with other platforms within the JCWA.</p> <p><b>FY 2025 Plans:</b> FY2025 and forward, project code CY01 realigned to CY86T1.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> USCYBERCOM realigned project codes. See new project code CY86T1 for further justification information.</p>	0.000	1.750	0.000
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	114.980	0.000

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

**Remarks**

**D. Acquisition Strategy**  
The PCTE program employs an incremental acquisition strategy leveraging a number of contracting vehicles and acquisition streamlining methods to deliver capability rapidly and efficiently. Through the execution of existing cyber contracts, OTA contracts, and Federal Acquisition Regulation (FAR) based contracts, the PCTE program

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

<b>Appropriation/Budget Activity</b>	<b>R-1 Program Element (Number/Name)</b>	<b>Project (Number/Name)</b>
0400 / 4	PE 0208086JCY / <i>Cyber Training Environment</i>	CY01 / <i>Cyber Training Environment</i>

continues to enable the PCTE platform to achieve scalability, optimization, innovation, and quality standards to meet the dynamic needs of the CMF user base. The Product Manager awarded an integration focused Single Award ID/IQ contract to serve PCTE as well as other cyber community customers called the TRIDENT contract on Q1 FY 2022. The Cyber TRIDENT contract enables PCTE to provide iterative capability provided to the CMF in Capability Drops (CDs) that either improve or add features. These CDs will be based on requirements contained and further developed as part of the PCTE IS-CDD. This is a major capability acquisition that will continue to deliver capability in line with Information Technology (IT) Box requirements strategy.

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</i>
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<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			
PCTE Development and Integration Support	C/IDDQ	Various : Various	-	-		7.399	Mar 2024	-		-		-	Continuing	Continuing	-
PCTE Cyber Training, Readiness, Integration, Delivery, and Enterprise Technology (TRIDENT) Contract	C/IDDQ	Various : Various	-	-		63.705	May 2024	-		-		-	Continuing	Continuing	-
PCTE Development and Integration - Other Contracts	Option/ FFP	Various : Various	-	-		42.126	Apr 2024	-		-		-	Continuing	Continuing	-
PCTE Government Test and Evaluation	Option/ Various	Various : Various	-	-		1.750	Apr 2024	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	-		114.980		-		-		-	Continuing	Continuing	N/A

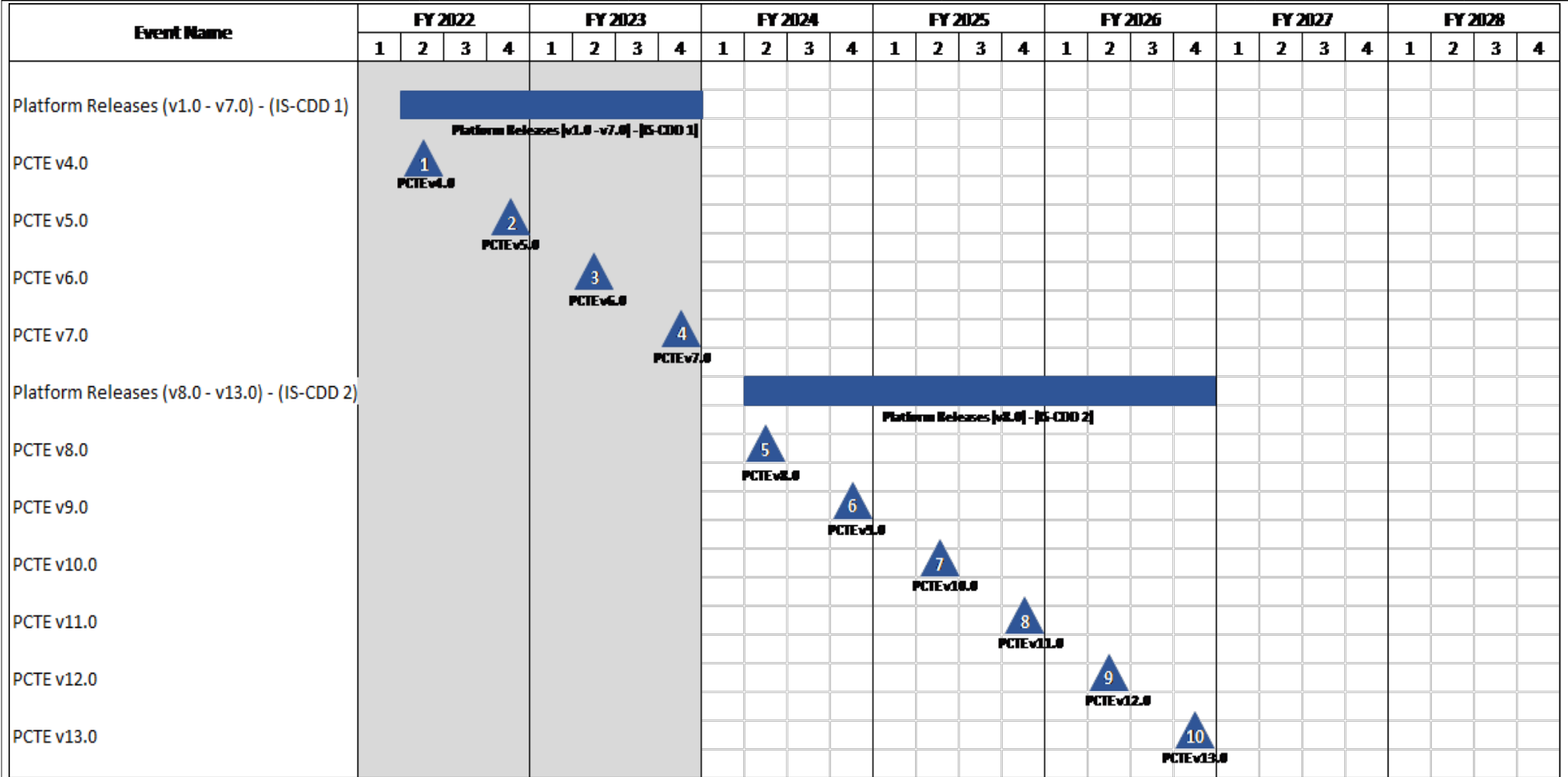
	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	-	-	114.980	-	-	-	Continuing	Continuing	N/A

**Remarks**  
N/a

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</i>
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 United States Cyber Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0208086JCY / <i>Cyber Training Environment</i>	<b>Project (Number/Name)</b> CY01 / <i>Cyber Training Environment</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Cyber Training Environment</i></b>				
PCTE v9.0	2	2024	2	2024
PCTE v11.0	4	2025	4	2025
PCTE v13.0	4	2026	4	2026