

UNCLASSIFIED

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 8: Software and Digital Technology Pilot Programs</i>	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</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
Total Program Element	0.000	0.000	0.000	85.168	0.000	85.168	79.277	80.863	82.440	84.076	Continuing	Continuing
CY50D1: <i>Sensors DMSS Kits</i>	0.000	0.000	0.000	85.168	0.000	85.168	79.277	80.863	82.440	84.076	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. In conjunction with the Services and Cyber Stakeholders, USCYBERCOM develops and expands capabilities/ tools to support Cyber Mission Forces (CMF). Following USCYBERCOM FY 2024 Enhanced Budgetary Control (FY 2022 NDAA, section 1507), USCYBERCOM assumed direct mission resource planning, programming, budgeting, and execution responsibilities from Service Cyber Components (SCCs) to train, equip, operate, and sustain Cyber Mission Forces.

The Data & Sensors portfolio includes capabilities that identify indications or confirmation of a compromised cyberspace defense capability, to include CMF Cyber Protection Team (CPT) Deployable Mission Support Systems (DMSS). CPTs utilize DMSS equipment to conduct threat-focused, intelligence driven defensive cyberspace operations countering malicious cyberspace activities (MCA) and defending DoD Information Networks (DoDIN) and specified cyberspace terrain. Operating as dynamic maneuver forces, CPTs require portable, highly configurable, scalable tools to enable effective and efficient MCA hunt, clear, enable hardening, and threat assessment in the contested cyberspace environment.

The dynamic nature of CPT defensive cyberspace operations (DCO) epitomizes the required flexibility offered by the BA-8 Software and Digital Technology Pilot Program. While Army PM DCO initiated USCYBERCOM's sole FY 2024 BA-8 participation per implementation of USCYBERCOM FY 2024 Enhanced Budgetary Control (FY 2022 NDAA, section 1507), USCYBERCOM realigned all Army, Navy, Air Force, and Marine Corps, and USCYBERCOM DMSS procurement, O&M, and RDTE appropriation to BA-8 starting in FY 2025 to accomplish the following: optimize DCO platform and software development programming and budgeting flexibility to maintain comparative cyberspace advantage with respect to MCAs; standardize CPT equipment acquisition; mitigate acquisition delays; reduce overall DCO development lifetime costs; and accelerate deployment of critical defensive cyberspace systems/tools.

UNCLASSIFIED

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 8: Software and Digital Technology Pilot Programs</i>	R-1 Program Element (Number/Name) PE 0306250JCY I <i>Cyber Operations Technology Support</i>
--	--

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	0.000
Current President's Budget	0.000	0.000	85.168	0.000	85.168
Total Adjustments	0.000	0.000	85.168	0.000	85.168
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Budget Year Realignment	-	-	85.168	0.000	85.168

UNCLASSIFIED

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

Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D1 / <i>Sensors DMSS Kits</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
CY50D1: <i>Sensors DMSS Kits</i>	0.000	0.000	0.000	85.168	0.000	85.168	79.277	80.863	82.440	84.076	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Data & Sensor portfolio includes Deployable Mission Support Systems (DMSS) kits used to support the Cyber Mission Force (CMF). USCYBERCOM intends to combine the requirements of the Deployable Mission Support System (DMSS) and Hunt Forward Operations (HFO) kits into one capability referred to as the Joint Cyber Hunt Kit (JCHK). Like the DMSS and HFO kits, the JCHK will be a self-contained flyaway capability utilized by the Cyber Protection Team (CPT) Mission Elements to secure and protect military networks and data centers by conducting Hunt, Clear, Enable Hardening, and Assess missions in blue, gray, and red cyberspace. Through Vulnerability Analysis (VA) and Incident Response (IR) operations on classified and unclassified networks, CPTs will continue the ability to locate, contain, and defeat malicious activity in response to adversarial breaches or attempted breaches against DoD information systems. The dynamic nature of CPT defensive cyberspace operations driven by the adversary's rapidly evolving offensive cyber tactics, techniques and procedures require the BA-8 flexibility as JCHK evolves. The merging of capabilities will facilitate the standardization of training, maintenance logistics, and force protection and will promote efficient execution of resources based on economy of scale.

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

	FY 2023	FY 2024	FY 2025
Title: Sensor - DMSS Kits	-	0.000	85.168
<p>Description: The Data & Sensors portfolio includes capabilities that identify indications or confirmation of a compromised cyberspace defense capability, to include: CMF Cyber Protection Team (CPT) Deployable Mission Support Systems (DMSS); National CPT (NCPT) Hunt Forward kits; Enhanced Sensing and Mitigation; and other investments supporting Cyber Mission Forces (CMF). USCYBERCOM has initiated planning to standardize Joint CPT/NCPT mission equipment (i.e., DMSS and Hunt Forward Operations (HFO) kits) to satisfy similar but separate mission requirements with one consolidated Joint Cyber Hunt Kit/ capability(JCHK). The JCHK will be a self-contained capability utilized by the Cyber Protection Teams (CPTs) Mission Elements to conduct Hunt, Clear, Enable Hardening, and Assess missions in blue, gray, and red cyberspace. The merging of capabilities will facilitate the standardization of training and force projection. This single, joint system promotes efficient execution of resources based on economy of scale.</p> <p>FY 2024 Plans: Continue the development, procurement and sustainment of DMSS kits for Army, Navy, Air Force and Marine Corp for the CPTs.</p> <p>FY 2024 funding supports continued Service Cyber Component development engineering, integration, and testing of CPT DMSS equipment and USCYBERCOM research/development of specialized DCO capabilities against emerging, complex MCA challenges.</p>			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D1 / <i>Sensors DMSS Kits</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>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.</p> <p>FY 2025 Plans: FY 2025 USCYBERCOM DMSS RDTE BA-8 Plans: 85.168 Army DMSS Plans: 19.579 (10.2 Proc, 2.6 - O&M), 11.9 RDT&E) Navy DMSS Plans: 30.746 (18.2 Proc, 7.5 O&M, 5.046 RDT&E) Air Force DMSS Plans: 16.013 Proc USMC DMSS Plans: 10.783 (5.4 Proc, 5.4 O&M) USCYBERCOM Specialized DMSS Development Plans: 8.047 RDT&E</p> <p>FY 2025 transition from former Procurement O&M DMSS funds and RDT&E (BA07) to RDTE BA-8, to standardize DMSS acquisition, fulfill dynamic DCO platform and software development flexibility/scalability to maintain comparative cyberspace advantage with respect to MCAs, and support USCYBERCOM efforts to consolidate similar but separate CPT/NCPT DMSS and Hunt Forward capabilities. 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 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 are completed.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2024 19.5 was in RDT&E project code CY09, 46.753 was in Procurement, and 24.3 was in O&M, assumed efficiencies account for decreases.</p> <p>The FY 2025 transition of former Procurement and O&M DMSS funds and RDT&E BA07 to BA08 results in no FY 2025 USCYBERCOM increase since the additional RDTE funding is balanced by Proc/O&M decreases.</p> <p>For FY 2025 and beyond USCYBERCOM changed the project structure to more clearly align budget activities and appropriations.</p>			
Accomplishments/Planned Programs Subtotals	-	0.000	85.168

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

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D1 / <i>Sensors DMSS Kits</i>

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

Remarks

D. Acquisition Strategy

The Data & Sensors program acquisition strategy leverages existing SCC developed DMSS equipment to sustain DCO capabilities as USCYBERCOM establishes the robust, standardized JCHK program. The JCHK program objectives include the following: standardize CPT equipment maintenance/operator training programs; standardize software and hardware refresh; and standardize repair and replacement processes and schedules across the CMF. Contracts will be awarded under full and open competition whenever possible. Data & Sensors will leverage a Defensive Innovative Unit Other Transactional (OT) authority to award a Prototype Agreement supporting the rapid development of a JCHK prototype. OT procedures allow for successful prototype transition into a large production contract. The Data & Sensors acquisition strategy begins phased CPT equipment transition to the new JCHK starting in FY 2026.

UNCLASSIFIED

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

Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D1 / <i>Sensors DMSS Kits</i>
--	--	---

Schedule Details

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																								
DMSS																								
DMSS Kits																								
Annual Software Updates																								

|

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Cyber Command		Date: March 2024
Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0306250JCY / <i>Cyber Operations Technology Support</i>	Project (Number/Name) CY50D1 / <i>Sensors DMSS Kits</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Sensors				
Sensor event	1	2025	4	2029