

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> / BA 3: <i>Advanced Technology Development (ATD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603121D8Z / <i>SO/LIC Advanced Development</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	9.751	4.665	4.919	30.102	-	30.102	5.218	5.245	5.355	5.468	-	-
121: <i>SO/LIC Advanced Development</i>	9.751	4.665	4.919	30.102	-	30.102	5.218	5.245	5.355	5.468	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

New Start (Y/N): No

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

This program supports the Department's initiatives to Deter Aggression, Defend the Homeland, and Build Sustainable and Long-Term Advantage.

The SUNet enterprise system is an unclassified, secure information platform that allows the user to communicate, analyze, and share information between defense, interagency, and foreign partners. Rested on SUNet are mission specific enclaves used to detect, monitor, understand, and act in the information environment. The SUNet system provides defense and interagency partners with an accredited platform that enables secure unclassified information sharing, joint analysis, and advanced RDT&E in support of critical operational missions on a global scale. The platform currently supports more than a dozen sponsoring agencies with a range of missions, including but not limited to research and analysis of publicly available information, Phase 0 shaping, informing and influencing; building partner capacity; and enables rapid, iterative development and fielding of artificial intelligence and machine learning. The SUNet platform enables Irregular Warfare Support Directorate (IWTSD) to identify and develop capabilities to combat terrorism and irregular adversaries, and deliver these capabilities to DoD components and interagency partners with a provision of support to US military operations.

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

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	4.665	4.919	5.072	-	5.072
Current President's Budget	4.665	4.919	30.102	-	30.102
Total Adjustments	0.000	0.000	25.030	-	25.030
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustment	-	-	25.030	-	25.030

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**Change Summary Explanation**

FY 2024 program increase provides the Defense Department, international mission partners, and other Federal organizations with an accredited information technology platform that enables rapid innovation, combined operational missions, information sharing between partners, and advanced research and development, to include testing and development of artificial intelligence and machine learning (AI/ML). SUNet provides unprecedented access to world-class AI developers and offers a unique development environment that enables algorithm development and testing with Controlled Unclassified Information, accelerating the deployment of AI/ML to warfighter systems. SUNet also hosts Sky Blue, which enables USEUCOM to collaborate with multinational partners and coordinate the transfer of critical security assistance to Ukraine. CDAO recently notified IWTSD of an emerging requirement from USD(P), OUSD(I&S), SOCOM, and JS to establish a similar collaboration and command and control capability on SUNet for INDOPACOM.

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

	FY 2022	FY 2023	FY 2024
<p><b>Title:</b> Secure, Unclassified Network (SUNet)</p> <p><b>Description:</b> The SUNet enterprise system is an unclassified, secure information platform that allows the user to communicate, analyze, and share information between defense, interagency, and foreign partners. The organizational leads for the enclaves nested within SUNet provide the funding to not only conduct their mission work, but to sustain the SUNet enterprise platform, including maintenance, refresh, and cyber security activities. The SUNet system provides defense, interagency, and international partners with an accredited platform that enables secure unclassified information sharing, joint analysis, and advanced RDT&amp;E in support of critical operational missions on a global scale. The platform currently supports more than a dozen sponsoring agencies with a range of missions, including but not limited to tracking donor equipment to support Ukraine, research and analysis of publicly available information, Phase 0 shaping, informing and influencing; building partner capacity; and enables rapid, iterative development and fielding of artificial intelligence and machine learning.</p> <p><b>FY 2023 Plans:</b> In FY 2023, IWTSD plans to continue building an internal team that will focus on providing technical advice and overwatch of the Defense Contracting Organization and its prime vendor as they manage and maintain the SUNet enterprise system. IWTSD will continue to emphasize the importance of enhanced information assurance, cybersecurity monitoring, and program governance. IWTSD overwatch is to ensure the Department can efficiently and effectively support a growing number of users and enable their respective missions. Lines of effort include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Maintain the accreditation and validate compliance with NIST 800-53 requirements</li> <li>• Increase USG oversight to improve transparency and accountability</li> <li>• Enhance IWTSD security overwatch as the prime vendor performs its role to detect and defend the network from cyber risks</li> <li>• Respond to emerging mission requirements and enable rapid onboarding of new capabilities with security implemented upfront</li> </ul> <p><b>FY 2024 Plans:</b></p>	4.665	4.919	30.102

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>In FY 2024, IWTSD plans to continue its overwatch efforts to ensure enhanced information assurance, cybersecurity monitoring, and program governance to efficiently and effectively support a growing number of users and enable their respective missions. Lines of effort include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Maintain the accreditation and actively manage cyber risk</li> <li>• Refresh end-of-life hardware and software</li> <li>• Ensure availability of critical system functions</li> </ul> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> The FY 2024 increase supports dedicated programmatic funding to counter SUNet cybersecurity risk because the former cost recovery model did not adequately cover system-wide enterprise requirements or costs. With prioritized cybersecurity requirements and dedicated program funding, SUNet operations and cybersecurity risk will be actively managed.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	4.665	4.919	30.102

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

N/A

**Remarks**

**E. Acquisition Strategy**

N/A