

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Office of the Secretary Of Defense **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603121D8Z I <i>SO/LIC Advanced Development</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	14.416	4.765	30.102	5.176	-	5.176	5.204	5.312	5.424	5.532	-	-
121: <i>SO/LIC Advanced Development</i>	14.416	4.765	30.102	5.176	-	5.176	5.204	5.312	5.424	5.532	-	-
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 SO/LIC Advanced Development subgroup within IWTSD will build on lessons learned from more than a decade of developing, managing, and overseeing the Secure Unclassified Network (SUNet) to develop, test, and deliver advanced tools and capabilities for the Department to campaign in and through cyberspace, maximize cyber capabilities in support of integrated deterrence, and effectively use cyber operations to generate asymmetric advantages. IWTSD has restructured its internal team to capitalize on the extensive expertise and experience to streamline the implementation and validation of Artificial Intelligence and cybersecurity requirements across IWTSD's project portfolio as well as develop novel tools and capabilities in collaboration with our partners across the cyber domain.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	4.919	30.102	5.176	-	5.176
Current President's Budget	4.765	30.102	5.176	-	5.176
Total Adjustments	-0.154	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.033	-			
• SBIR/STTR Transfer	-0.121	-			

**Change Summary Explanation**

No change for FY 2025 from previous PB.

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FY 2025 decrease from FY 2024, supports the transfer of SUNet cybersecurity and infrastructure requirements and SUNet to CDAO PE 0604123D8Z. Effective July 1, 2023, SUNet system owner responsibilities and management control transferred to CDAO. This successful transition enables CDAO to execute its mandate to centrally manage AI enterprise platforms, services, and data, and promises to extend and preserve SUNet’s success and security to continue enabling rapid AI development, collaboration, and information sharing among DoD and the Joint Forces. IWTSD’s core funds in PE 0603121D8Z will remain with SO/LIC IWTSD to continue to support enhanced cyber resiliency and hardening for IWTSD projects and support to DoD missions.

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

	FY 2023	FY 2024	FY 2025
<p><b>Title:</b> Secure, Unclassified Network (SUNet)</p> <p><b>Description:</b> Develop, test, and deploy tools, concepts, and capabilities to protect, support, and enhance DoD and joint operations resiliency in the cyber domain; conduct research, analysis, and development to understand, integrate, and mitigate impacts of emerging and disruptive technologies on digital infrastructures; and support integration, testing, hardening, accreditation, and transition of IWTSD sponsored tools and capabilities to end user systems and production environments.</p> <p><b>FY 2024 Plans:</b> In FY 2024, the SO/LIC Advanced Development subgroup plans to continue ongoing technical and security support for IWTSD projects to enable accelerated testing, fielding, integration, accreditation, and transition of secure prototypes, tools, and capabilities to end user systems. The SO/LIC Advanced Development subgroup also plans to initiate new projects focused on integrated deterrence and building resilience in the cyber domain. Examples include:</p> <ul style="list-style-type: none"> <li>• Pilot the use of generative AI to triage network traffic and user activity in support of enhanced security operations and red teaming.</li> <li>• A secure development, testing, and assessment environment to facilitate enhanced cyber hardening of IWTSD projects.</li> <li>• Development of tools, technologies, and capabilities that protect DoD assets and information networks from malicious cyber activity, enable a cyber resilient workforce, promote cyber information sharing within the Department and among partners and allies, and improve cybersecurity processes and services through automation.</li> </ul> <p><b>FY 2025 Plans:</b> In FY 2025, the SO/LIC Advanced Development subgroup plans to continue ongoing technical and security support for IWTSD projects to enable accelerated testing, fielding, integration, accreditation, and transition of secure prototypes, tools, and capabilities to end user systems, as well as funding for ongoing projects in areas focused on integrated deterrence and building resilience in the cyber domain. Examples include:</p> <ul style="list-style-type: none"> <li>• Iterative development and testing of generative AI and large language models for network traffic analysis and anomaly detection.</li> <li>• A secure development, testing, and assessment environment to facilitate enhanced cyber hardening of IWTSD projects.</li> </ul>	4.765	30.102	5.176

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>• Development of tools, technologies, and capabilities that protect DoD assets and information networks from malicious cyber activity, enable a cyber resilient workforce, promote cyber information sharing within the Department and among partners and allies, and improve cybersecurity processes and services through automation.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b>            Since FY 2020, IWTSD used core funds in PE 0603121D8Z to proactively manage cyber security risk of the SUNet system by providing continuous monitoring, assessment and authorization activities, and technical overwatch of the Defense Contracting Organization and its prime vendor as they managed and maintained the SUNet enterprise system. The \$25M increase in FY 2024 provides dedicated program funding for SUNet cybersecurity and infrastructure requirements and will transfer with SUNet to CDAO PE 0604123D8Z. Effective July 1, 2023, SUNet system owner responsibilities and management control transferred to CDAO. This successful transition enables CDAO to execute its mandate to centrally manage AI enterprise platforms, services, and data, and promises to extend and preserve SUNet’s success and security to continue enabling rapid AI development, collaboration, and information sharing among DoD and the Joint Forces.            IWTSD’s core funds in PE 0603121D8Z will remain with SO/LIC IWTSD to continue to support enhanced cyber resiliency and hardening for IWTSD projects and support to DoD missions.</p> <p>FY 2024 budget reflects a \$25.0M pending transfer to CDAO in support of SUNet. Otherwise, decrease due to re-phasing of FY 2025 funding to FY 2026 and FY 2027.</p>				
<b>Accomplishments/Planned Programs Subtotals</b>		4.765	30.102	5.176
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b> N/A				