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

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605711D8Z I <i>Critical Technology Analysis</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	0.000	11.422	-	11.422	11.683	11.921	12.189	12.434	Continuing	Continuing
892: <i>Critical Technology Analysis</i>	0.000	0.000	0.000	11.422	-	11.422	11.683	11.921	12.189	12.434	Continuing	Continuing

Note

New Start (Y/N): No

In FY 2025, funding transferred from Defense Technology Analysis - PE 0605798D8Z Project 797.

A. Mission Description and Budget Item Justification

The Critical Technology Analysis (CTA) program funds engineering, scientific, and analytical support for the Office of the Under Secretary of Defense for Research and Engineering (OUSDR&E) and specifically the Office of the Assistant Secretary of Defense for Critical Technologies – (OASD(CT)). The OASD(CT) supports the OUSDR&E by prioritizing the National Defense Strategy modernization lines of effort in order to maintain competitive advantage against adversaries. The efforts funded in this project directly support the OASD(CT) organization and are critical to developing and continuously updating research and technology development roadmaps as required by Section 217 of the National Defense Authorization Act for fiscal year 2021.

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	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	11.422	-	11.422
Total Adjustments	0.000	0.000	11.422	-	11.422
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Transfer/Realignment	-	-	11.515	-	11.515
• Program Adjustments	-	-	-0.093	-	-0.093

Change Summary Explanation

The FY 2025 increase of \$11.515 million is the result of a realignment from the Defense Technology Analysis, PE 0605798D8Z project 797. Funding will go to mission support, roadmap studies, and priorities for the OASD(CT).

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Appropriation/Budget Activity
0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6:
RDT&E Management Support

R-1 Program Element (Number/Name)
PE 0605711D8Z / *Critical Technology Analysis*

Program Adjustments are as follows - (A reduction of \$0.115 was applied to meet DoD overall funding reductions, which were spread to mitigate impact.

Funding increase of \$0.022 million for Economic Assumptions.

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

Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605711D8Z / <i>Critical Technology Analysis</i>	Project (Number/Name) 892 / <i>Critical Technology Analysis</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
892: <i>Critical Technology Analysis</i>	0.000	0.000	0.000	11.422	-	11.422	11.683	11.921	12.189	12.434	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

New Start (Y/N): No

In FY 2025, funding transferred from Defense Technology Analysis - PE 0605798D8Z Project 797.

A. Mission Description and Budget Item Justification

The Critical Technology Analysis (CTA) program funds engineering, scientific, and analytical support for the Office of the Under Secretary of Defense for Research and Engineering (OUSDR&E) and specifically the Office of the Assistant Secretary of Defense for Critical Technologies – (OASD(CT)). The OASD(CT) supports the USDR&E by prioritizing the National Defense Strategy modernization lines of effort in order to maintain competitive advantage against adversaries. The efforts funded in this project directly support the OASD(CT) organization and are critical to developing and continuously updating research and technology development roadmaps as required by Section 217 of the National Defense Authorization Act for fiscal year 2021.

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

	FY 2023	FY 2024	FY 2025
Title: Critical Technology Analysis	-	-	11.422
Description: The OASD(CT) is responsible for developing the Department’s roadmap efforts in the fourteen critical technology areas: Directed Energy, Hypersonics, Integrated Sensing and Cyber, Trusted AI & Autonomy, Integrated Sensing & Cyber, Microelectronics, Space Technology, Renewable Energy Generation & Storage, Advanced Computing & Software, Human-Machine Interfaces, Advanced Materials, Biotechnology, Quantum, and Future G. Identification of leading edge technology is critical in delivering capability to the warfighter and maintaining the competitive advantage. Funding for research, technical analysis and management, and other advanced research methods will allow for success in identifying game changing technology investments for the Department’s modernization efforts.			
FY 2025 Plans: Adversary and competitor actions seek to disrupt and diminish the United States’ advantages. Advancement of research and development in the modernization priorities will enhance the United States’ competitive advantage. The Department will conduct analysis and research studies to support updates to and advancements of modernization roadmaps synchronized with related priorities. Focus areas include the emerging technology industrial base and the workforce, including universities. The studies and analyses conducted will focus not only on closing gaps and identifying overlap, but providing leap-ahead capabilities across all critical technology areas. In addition to the critical technology areas analysis and roadmap studies, the funding executed for this			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>project will substantially enhance mission support capabilities for the OASD(CT), providing a boost to the OASD(CT) foundation and ultimately aiding in supporting the technical advantage of the Warfighter.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> The increase of \$11.422 million is due to a realignment from Defense Technology Analysis, PE 0605798D8Z, Project 797. Funding will go to mission support, roadmap studies, and priorities for the OASD(CT).</p>				
Accomplishments/Planned Programs Subtotals		-	-	11.422
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				