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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 0606775D8Z I <i>Joint Production Accelerator Cell (JPAC)</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	5.010	-	5.010	5.509	6.058	6.668	7.328	Continuing	Continuing
780: <i>Joint Prod Accelerator Cell</i>	-	0.000	0.000	5.010	-	5.010	5.509	6.058	6.668	7.328	Continuing	Continuing

Note

New Start (Y/N): Yes

A. Mission Description and Budget Item Justification

This Program Element supports building a resilient Joint Force, robust Defense Ecosystem, and Enduring Advantages by enabling the Joint Production Accelerator Cell (JPAC) to assess and analyze opportunities to enhance the defense industrial base’s production capacity, resilience, and surge capability for key weapon systems and supplies.

This Program Element will also support the drive to modernize and strengthen our military and invest in our national power to maintain a competitive edge. The analysis and assessment of flexible and scalable manufacturing approaches will further enable USD(A&S) to advance innovative processes, drive scaled production to meet 21st century Warfighter needs, and improve the responsiveness of the defense industrial base to DoD demand.

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
Current President's Budget	0.000	0.000	5.010	-	5.010
Total Adjustments	0.000	0.000	5.010	-	5.010
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• New Start	-	-	5.010	-	5.010

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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 0606775D8Z / Joint Production Accelerator Cell (JPAC)	Project (Number/Name) 780 / Joint Prod Accelerator Cell
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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
780: Joint Prod Accelerator Cell	-	0.000	0.000	5.010	-	5.010	5.509	6.058	6.668	7.328	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Assessments and Analyses on Advanced, Flexible, and Scalable Manufacturing Approaches	0.000	0.000	5.010	0.000	5.010
Description: This effort focuses on identifying opportunities, assessing feasibility, and developing actionable recommendations to inject advanced, flexible, and scalable manufacturing approaches into DoD supply chains. Projects will explore opportunities to integrate digital engineering and advanced manufacturing techniques at scale for major weapon systems. This effort will better enable USD(A&S) to advance the implementation of innovative design processes, drive the adoption of advanced manufacturing techniques, and improve the responsiveness and surge capacity of the defense industrial base to meet DoD demand and Warfighter needs.					
FY 2024 Plans: N/A					
FY 2025 Base Plans: - Initiate research efforts to assess opportunities to inject advanced, flexible, and scalable design and manufacturing techniques into DoD supply chains - Evaluate previous and ongoing industry and Government efforts to identify, develop, inject, and scale advanced design and manufacturing approaches - Assess opportunities to develop and scale alternate manufacturing techniques for critical munitions sub-components including, but not limited to, ball bearings, artillery shell casings, and solid rocket motors					

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Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0606775D8Z / Joint Production Accelerator Cell (JPAC)	Project (Number/Name) 780 / Joint Prod Accelerator Cell

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>- Analyze opportunities and approaches to modernize production facilities to enable flexible and agile manufacturing, including digital engineering, advanced reductive manufacturing, additive manufacturing, and flexible/agile tooling. Assessments will seek to define tangible benefits to production and surge capacity, as well as associated costs and implementation timelines.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: PE 0606775D8Z increase to \$5.010 million will enable the injection of advanced, flexible, and scalable manufacturing approaches into DoD supply chains. It will enable enduring industrial production capacity, resilience, and surge capability for key defense weapon systems and supplies.</p>					
Accomplishments/Planned Programs Subtotals	0.000	0.000	5.010	0.000	5.010

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

N/A

Remarks

D. Acquisition Strategy

N/A