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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</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	-	10.270	11.095	11.234	-	11.234	11.247	11.367	11.491	11.607	0.000	78.311
EC7: <i>Analysis Of Alternatives</i>	-	10.270	11.095	11.234	-	11.234	11.247	11.367	11.491	11.607	0.000	78.311

A. Mission Description and Budget Item Justification

This Program Element (PE) provides funding for analytical support of Analysis of Alternatives. Analyses of Alternatives are statutory requirements for Major Defense Acquisition Programs and regulatory for all other programs. Based on Department of Defense Instruction (DoDI) 5000.02, Analyses of Alternatives are required to be completed for a new start program prior to its first Milestone Decision. The PE provides analytical capability for Pre-Milestone A programs that emerge outside the normal budget or POM cycles. Normally these programs are without program managers and require analysis to support Congressional, Defense and Army Senior Leader's requirement and acquisition needs and priorities. The Analyses of Alternatives support the preparation of the Capability Development Document, Key Performance Parameters and Thresholds values and tradeoff analysis. The cited work is consistent with the Army Science and Technology priority focus areas and the Army Modernization Strategy and Guidance. The Army is projecting to start work on multiple Analyses of Alternatives beginning in Fiscal Year (FY) 2022, and will assess and fund the highest Congressional, Defense and Army Senior Leader's priorities during the year of execution.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	10.659	11.095	11.211	-	11.211
Current President's Budget	10.270	11.095	11.234	-	11.234
Total Adjustments	-0.389	0.000	0.023	-	0.023
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.389	-			
• Adjustments to Budget Years	-	-	0.023	-	0.023

Change Summary Explanation

Minor increase in FY25 due to revised economic assumptions.

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Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>				Project (Number/Name) EC7 / <i>Analysis Of Alternatives</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
EC7: <i>Analysis Of Alternatives</i>	-	10.270	11.095	11.234	-	11.234	11.247	11.367	11.491	11.607	0.000	78.311
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project provides funding for analytical support of Analysis of Alternatives. Analyses of Alternatives are statutory requirements for Major Defense Acquisition Programs and regulatory for all other programs. Based on Department of Defense Instruction (DoDI) 5000.02, Analyses of Alternatives are required to be completed for a new start program prior to its first Milestone Decision. The Project provides analytical capability for Pre-Milestone A programs that emerge outside the normal budget or POM cycles. Normally these programs are without program managers and require analysis to support Congressional, Defense and Army Senior Leader's requirement and acquisition needs and priorities. The Analyses of Alternatives support the preparation of the Capability Development Document, Key Performance Parameters and Thresholds values and tradeoff analysis. The cited work is consistent with the Army Science and Technology priority focus areas and the Army Modernization Strategy and Guidance. The Army is projecting to start work on multiple Analyses of Alternatives beginning in Fiscal Year (FY) 2025, and will assess and fund the highest Congressional, Defense and Army Senior Leader's priorities during the year of execution.

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

	FY 2023	FY 2024	FY 2025
Title: Analysis of Alternatives	10.270	11.095	5.617
<p>Description: This Project provides funding for analytical support for efforts such as: Long Range Precision Munition, Directed Energy Maneuver-Short Range Air Defense, Vehicle Protection Systems, Common Tactical Truck, and Ship to Shore Logistics Vessel. In addition, several Analyses of Alternatives started in FY 2023 and scheduled for FY 2024 will continue into FY 2025 will require analysis funding to include XM30 Mechanized Infantry Combat Vehicle, Integrated Tactical Network, Maneuver Support Vessel - Heavy, Next Generation Main Battle Tank, Lower Tier Air and Missile Defense Sensor, and Project Convergence.</p> <p>FY 2024 Plans: FY 2024 funding continues to support the analysis for new start programs that do not yet have a program manager assigned and to augment program manager funds where requirement decisions drive changes in scope or increased fidelity to achieve Congressional, Defense and Army Senior Leader's priority intent and interest. The analysis initiation, scope, and fidelity are determined in accordance with the U.S. Army Futures Command processes prior to the Materiel Development Decision and synchronized to support JROC, AROC and Acquisition Executive/Program decisions.</p> <p>FY 2025 Plans: This Project provides funding for analytical support for efforts such as: Long Range Precision Munition, Directed Energy Maneuver-Short Range Air Defense, Vehicle Protection Systems, Common Tactical Truck, and Ship to Shore Logistics Vessel. In addition, several Analyses of Alternatives started in FY 2023 and scheduled for FY 2024 will continue into FY 2025 will require</p>			

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Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>	Project (Number/Name) EC7 / <i>Analysis Of Alternatives</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
analysis funding to include XM30 Mechanized Infantry Combat Vehicle, Integrated Tactical Network, Maneuver Support Vessel - Heavy, Next Generation Main Battle Tank, Lower Tier Air and Missile Defense Sensor, and Project Convergence. FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to alignment of efforts within the project for greater visibility by executing organization.				
Title: Analysis of Alternatives - DEVCOM Analysis Center Description: The project conducts engineering mission effectiveness, engineering performance analyses, and provides cost-benefit trade-offs for defined alternative systems, items and components; These analyses support decisions for high priority AFC S&T programs and other critical Army studies. Several studies continue into FY2024/2025 from FY23 such as the Next Generation Combat Vehicle Optionally Manned Fighting Vehicle (NGCV OMFV) and the Integrated Air and Missile Defense (IAMD) Systems. FY 2025 Plans: Will continue analyses for new start programs that do not yet have an assigned Program Management Office. Will conduct technical analyses to inform Program requirement decisions that drive changes in system designs to achieve Army, Department of Defense, and Congressional priorities. Will conduct analyses with The Research and Analysis Center (TRAC) in accordance with a coordinated schedule, scope of study objectives as determined by Army Futures Command processes prior to Materiel Development Decisions. Will synchronize and prioritize Analyses of Alternatives and trade studies to support JROC, AROC and Acquisition Executive/Program decisions. FY 2024 to FY 2025 Increase/Decrease Statement: Increase due to alignment of efforts within the project for greater visibility by executing organization.		-	-	5.617
Accomplishments/Planned Programs Subtotals		10.270	11.095	11.234
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy N/A				

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>	Project (Number/Name) EC7 / <i>Analysis Of Alternatives</i>
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Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Identify Candidates for AoA Funding</i>																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604100A / <i>Analysis Of Alternatives</i>	Project (Number/Name) EC7 / <i>Analysis Of Alternatives</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Identify Candidates for FY19 AoA funding	4	2018	3	2019
Issue FY19 AoA Funding	1	2020	4	2020
Identify Candidates for FY20 AoA funding	4	2019	3	2020
Issue FY 20 AoA Funding	1	2020	4	2020
Identify Candidates for FY21 AoA funding	4	2020	3	2021
Issue FY 21 AoA Funding	1	2021	4	2021
Identify Candidates for FY22 AoA funding	4	2021	3	2022
Issue FY 22 AoA Funding	1	2022	4	2022
Identify Candidates for AoA Funding	1	2023	4	2029