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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605244A / Joint Reduced Range Rocket (JR3)
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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	-	-	-	13.565	-	13.565	28.972	15.947	4.299	-	0.000	62.783
DJ3: Joint Reduced Range Rocket	-	-	-	13.565	-	13.565	28.972	15.947	4.299	-	0.000	62.783

Note

Joint Reduced Range Rocket (JR3) is a new start in FY 2025.

A. Mission Description and Budget Item Justification

In order to ensure units achieve and maintain combat readiness, the Army has a Standards in Training Commission (STRAC) requirement that utilizes a training rocket to meet the annual qualification and pre-deployment requirements for Active and National Guard High Mobility Artillery Rocket System (HIMARS) and M270A1/M270A2 Multiple Launch Rocket System (MLRS) launcher units. The Low Cost Reduced Range Practice Rocket (LCRRPR) is the current training rocket, however, due to limited supply of pods and motors that are repurposed for manufacture of LCRRPR, continued production is only feasible through FY 2030.

FY 2025 RDTE dollars in the amount of \$13.565 million initiates development of the Joint Reduced Range Rocket (JR3). Upon completion of development and qualification, the JR3 will replace the currently fielded LCRRPR.

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	13.565	-	13.565
Total Adjustments	0.000	0.000	13.565	-	13.565
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	13.565	-	13.565

Change Summary Explanation

Addition of FY 2025 funds for initiation of the JR3 Program.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605244A / Joint Reduced Range Rocket (JR3)				Project (Number/Name) DJ3 / Joint Reduced Range Rocket			
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
DJ3: Joint Reduced Range Rocket	-	-	-	13.565	-	13.565	28.972	15.947	4.299	-	0.000	62.783
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Joint Reduced Range Rocket is a new start within the Joint Reduced Range Rocket (JR3) program in FY 2025.

A. Mission Description and Budget Item Justification

In order to ensure units achieve and maintain combat readiness, the Army has a Standards in Training Commission (STRAC) requirement that utilizes a training rocket to meet the annual certification and pre-deployment requirements for Active and National Guard High Mobility Artillery Rocket System (HIMARS) and M270A1/M270A2 Multiple Launch Rocket System (MLRS) launcher units. The Low Cost Reduced Range Practice Rocket (LCRRPR) is the current training rocket, however, due to limited supply of pods and motors that are repurposed for manufacture of LCRRPR, continued production is only feasible through FY 2030.

FY 2025 RDTE dollars in the amount of \$13.565 million initiates the development of the Joint Reduced Range Rocket (JR3). Upon completion of development and qualification, the JR3 will replace the currently fielded LCRRPR.

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

	FY 2023	FY 2024	FY 2025
Title: Joint Reduced Range Rocket	-	-	13.565
Description: The JR3 program will develop a new training rocket that can be fired by crews on the HIMARS and MLRS launchers.			
FY 2025 Plans: Award an Other Transactional Authority to support an initial system requirement review and to develop the design leading up to Interim Design Review #1. Utilize Aviation and Missile Center to support system analysis, trade studies, and prototyping software for launcher fire control system.			
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2025 is the first year for this effort.			
Accomplishments/Planned Programs Subtotals	-	-	13.565

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

N/A

Remarks

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D. Acquisition Strategy

M28A2 LCRRPR utilizes motors last built in the mid-90s and inventories will be depleted by FY 2032 with no ability to replenish using current assets. JR3 is the replacement for the M28A2 LCRRPR and must be cut into production by FY 2029 to support HIMARS and MLRS crew training requirements. The JR3 program shall leverage mature rocket motor technologies to develop a new training rocket that results in a configuration that is affordable and supports the required production cut-in timeline. The JR3 rocket shall be integrated into a launch pod container (LPC) that shall be compatible with current HIMARS and MLRS launchers. The JR3 effort is planned to award under an Other Transactional Authority (OTA) in 2nd Quarter FY 2025 with system development completing in FY 2028.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605244A / Joint Reduced Range Rocket (JR3)	Project (Number/Name) DJ3 / Joint Reduced Range Rocket

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
Joint Reduced Range Rocket Development																												
Initial System Design																												
Interim Design Review #1													▲ 1															
Complete System Design																												
Interim Design Review #2													▲ 2															
Component Testing																												
System Flight Testing																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605244A / <i>Joint Reduced Range Rocket (JR3)</i>	Project (Number/Name) DJ3 / <i>Joint Reduced Range Rocket</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Joint Reduced Range Rocket Development	1	2025	4	2028
Initial System Design	3	2025	1	2026
Interim Design Review #1	1	2026	1	2026
Complete System Design	1	2026	4	2026
Interim Design Review #2	4	2026	4	2026
Component Testing	4	2026	3	2028
System Flight Testing	3	2028	4	2028