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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Army **Date:** April 2022

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605235A / Strategic Mid-Range Capability
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	-	-	5.016	-	5.016	644.380	567.918	328.471	388.085	0.000	1,933.870
CQ4: Mid-Range Capability	-	-	-	5.016	-	5.016	644.380	567.918	328.471	388.085	0.000	1,933.870

Note

This is a new start in FY 2023.

A. Mission Description and Budget Item Justification

This funding line is directly aligned to the Army Long-Range Precision Fires Modernization Priority. The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to (PE) 0604135A Strategic Mid-Range Fires in FY2023 and funds the US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC), and begins transition to the US Army Program Executive Office Missiles and Space (PEO MS) PE 0605235A in FY23. The MRC Prototype Weapon System leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events. MRC provides Launchers and Battery Operations Center (BOC) to fire a mix of missiles capable of engaging targets at mid-range distances. The mission of the prototype MRC is to provide Combatant Commanders with a strategic, ground-mobile, midrange missile capability. The prototype MRC leverages existing SM-6 and Tomahawk missiles to provide a responsive, highly accurate capability designed for high value targets. MRC is optimized for the penetration / dis-integration phase of Multi-Domain Operations (MDO) by defeating enemy Anti-Access /Area Denial (A2/AD) systems, enabling Combatant Commanders freedom of maneuver. Five MRC batteries will be developed and deployed; the initial prototype MRC battery by RCCTO and four additional MRC batteries by PEO MS plus hardware support for additional capabilities. The first prototype MRC deliverable with residual combat capability consists of four Launchers, one BOC, and one Reload Capability, to be developed and deployed by RCCTO nlt 4Q FY2023 as the First Unit of Issue (FUI). Delivery of follow-on batteries by PEO MS will occur annually thereafter.

FY 2023 Base funding in the amount of \$5.016 million has been moved to PE 0605235A. The funding aligns RCCTO and PEO MS transition activities and establishes the PEO MS project initiation activities (manpower, program office startup, acquisition strategy, budget/cost position formulation, etc) required to comply with statutory and appropriate regulatory acquisition requirements. Starting in FY23, PEO MS is the OPR for Batteries 2 - 5. Base funding supports continuing efforts to manage transition acquisition activities, RCCTO long lead procurement, and project initiation including supportability, test, and systems engineering planning activities related to the successful fabrication and integration of field-able prototype technology into Battery 2 - 5 in order to meet AROC-approved requirements. The outputs of these efforts complements RCCTO efforts and continues the delivery of Batteries 2 - 5 to meet DOD and SecArmy program directives. This Project is executed by the PEO MS.

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capability</i>
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B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	5.016	-	5.016
Total Adjustments	0.000	0.000	5.016	-	5.016
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	5.016	-	5.016

Change Summary Explanation

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to (PE) 0605235A / Strategic Mid-Range Capability in FY2023.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Army **Date:** April 2022

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capability</i>	Project (Number/Name) CQ4 / <i>Mid-Range Capability</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
CQ4: <i>Mid-Range Capability</i>	-	-	-	5.016	-	5.016	644.380	567.918	328.471	388.085	0.000	1,933.870
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This is a new start in FY 2023.

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to PE 0604135A and PE 0605235A / Strategic Mid-Range Capability in FY2023.

A. Mission Description and Budget Item Justification

This funding line is directly aligned to the Army Long-Range Precision Fires Modernization Priority. The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to (PE) 0604135A Strategic Mid-Range Fires in FY2023 and funds the US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC), and begins transition to the US Army Program Executive Office Missiles and Space (PEO MS) PE 0605235A in FY23. The MRC Prototype Weapon System leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events. MRC provides Launchers and Battery Operations Center (BOC) to fire a mix of missiles capable of engaging targets at mid-range distances. The mission of the prototype MRC is to provide Combatant Commanders with a strategic, ground-mobile, midrange missile capability. The prototype MRC leverages existing SM-6 and Tomahawk missiles to provide a responsive, highly accurate capability designed for high value targets. MRC is optimized for the penetration / dis-integration phase of Multi-Domain Operations (MDO) by defeating enemy Anti-Access /Area Denial (A2/AD) systems, enabling Combatant Commanders freedom of maneuver. Five MRC batteries will be developed and deployed; the initial prototype MRC battery by RCCTO and four additional MRC batteries by PEO MS plus hardware support for additional capabilities. The first prototype MRC deliverable with residual combat capability consists of four Launchers, one BOC, and one Reload Capability, to be developed and deployed by RCCTO nlt 4Q FY2023 as the First Unit of Issue (FUI). Delivery of follow-on batteries by PEO MS will occur annually thereafter.

FY 2023 Base funding in the amount of \$5.018 million has been moved to PE 0605235A. The funding aligns RCCTO and PEO MS transition activities and establishes the PEO MS project initiation activities (manpower, program office startup, acquisition strategy, budget/cost position formulation, etc) required to comply with statutory and appropriate regulatory acquisition requirements. Starting in FY23, PEO MS is the OPR for Batteries 2 - 5. Base funding supports continuing efforts to manage transition acquisition activities, RCCTO long lead procurement, and project initiation including supportability, test, and systems engineering planning activities related to the successful fabrication and integration of field-able prototype technology into Battery 2 - 5 in order to meet AROC-approved requirements. The outputs of these efforts complements RCCTO efforts and continues the delivery of Batteries 2 - 5 to meet DOD and SecArmy program directives. This Project is executed by the PEO MS.

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

	FY 2021	FY 2022	FY 2023
Title: MRC Prototype Program Transition and Startup	-	-	5.016

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capabi</i> <i>lity</i>	Project (Number/Name) CQ4 / <i>Mid-Range Capability</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
<p>Description: PEO MS develops agreements, decision points, acquisition strategies and plans that document the transition of the RCCTO prototype MRC to a Programs of Record, thus aligning the Defense Management process and SecArmy guidance for MRC requirements, funding, acquisition, engineering assessments, fielding, NET, etc.</p> <p>FY 2023 Plans: This effort funds program support costs necessary to prepare program acquisition, budget/cost, contract, prototype technology transition, and product support documentation. Provides for follow-on prototype development, acquisition, affordability, and risk reduction activities for batteries 2 - 5.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Funding decrease/increase from FY 2022 to FY 2023 is due to The Program Element (PE) 0604644A / Mobile Medium Range Missile being moved to PE 0604135A and PE 0605235A / Strategic Mid-Range Capability in FY2023</p>			
Accomplishments/Planned Programs Subtotals	-	-	5.016

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

N/A

Remarks

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to PE 0604135A and PE 0605235A / Strategic Mid-Range Capability in FY2023.

D. Acquisition Strategy

Based on SecArmy guidance and DOD 5000.01 authority, the efforts leverage a variety of contract vehicles, including Other Transaction Authority Agreements to meet project initiation requirements. Efforts begin transition from the Rapid Capabilities and Critical Technologies Office (RCCTO) to PEO MS in FY23. PEO MS will initiate acquisition and program documentation to support Program of Record startup, acquisition pathway, systems engineering, and contracting decisions. The efforts will support Army pre and post-acquisition strategy decision points in FY23 for Batteries 2-5. These include acquisition pathway determination, contract planning, requirements development / technology insertion planning support, cost analysis, test planning, and lifecycle support planning.

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capabi</i> <i>lity</i>	Project (Number/Name) CQ4 / <i>Mid-Range Capability</i>

Event Name	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027					
	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		
MRC Prototype Transition Planning / MDD (Pathway) Support									█																					
Acquisition Pathway ADM											▲																			
Acquisition Strategy Execution / Contracting											█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Capability Requirements Development / Documentation									█	█	█	█	█																	
Cost and Affordability Assessments									█	█	█	█																		
Test and Evaluation Planning / Execution									█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Product / Lifecycle Support Planning											█	█	█	█																
Systems Engineering and Technology Insertion											█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Prototype Battery Equipment Hw/Sw Manufacturing and Assembly													█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Initial Systems Integration / Checkout													█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Battery 2 - 5 Material Release Development													█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
Full Material Release																												▲		
Battery 2 Prototype Testing and Fielding															█	█														

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capabi</i> <i>lity</i>	Project (Number/Name) CQ4 / <i>Mid-Range Capability</i>

Event Name	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027															
	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												
Battery 3 Prototype Testing and Fielding																	■																							
Battery 4 Prototype Testing and Fielding																													■											
Battery 5 Prototype Testing and Fielding																																	■							
New Equipment Training																									■				■				■							
Battery 1 - 5 Contractor Logistics Support																									■				■				■				■			
Munitions Procurement																									■				■											
Additional Capability Integration Hardware																									■				■											
FY24 Buy Munition Delivery																													▲ 2											
FY25 Buy Munition Delivery																																					▲ 3			

Note
 Program Element (PE) 06046434A / Mobile Medium Range Missile was moved to (PE) 0605235A / Strategic Mid-Range Capability in FY2023.
 Program transitions from Army RCCTO (PE 0604135A) to PEO Missiles and Space (PE 0505235A) in FY24.

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605235A / <i>Strategic Mid-Range Capabi</i> <i>lity</i>	Project (Number/Name) CQ4 / <i>Mid-Range Capability</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MRC Prototype Transition Planning / MDD (Pathway) Support	1	2023	2	2023
Acquisition Pathway ADM	3	2023	3	2023
Acquisition Strategy Execution / Contracting	3	2023	2	2028
Capability Requirements Development / Documentation	1	2023	3	2024
Cost and Affordability Assessments	1	2023	4	2023
Test and Evaluation Planning / Execution	1	2023	3	2025
Product / Lifecycle Support Planning	3	2023	2	2024
Systems Engineering and Technology Insertion	4	2023	4	2027
Prototype Battery Equipment Hw/Sw Manufacturing and Assembly	1	2024	4	2027
Initial Systems Integration / Checkout	1	2024	2	2027
Battery 2 - 5 Material Release Development	1	2024	4	2027
Full Material Release	1	2028	1	2028
Battery 2 Prototype Testing and Fielding	3	2024	4	2024
Battery 3 Prototype Testing and Fielding	3	2025	4	2025
Battery 4 Prototype Testing and Fielding	3	2026	4	2026
Battery 5 Prototype Testing and Fielding	3	2027	4	2027
New Equipment Training	2	2024	3	2027
Battery 1 - 5 Contractor Logistics Support	1	2024	2	2028
Munitions Procurement	2	2024	2	2025
Additional Capability Integration Hardware	2	2024	2	2025
FY24 Buy Munition Delivery	3	2025	3	2025
FY25 Buy Munition Delivery	3	2026	3	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Army		Date: April 2022
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Note
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Program transitions from Army RCCTO (PE 0604135A) to PEO Missiles and Space (PE 0505235A) in FY24.