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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army											Date: March 2023	
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 0604644A / <i>Mobile Medium Range Missile</i>							
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	0.000	275.989	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	275.989
MR1: <i>Mobile Intermediate Range Missile</i>	-	275.989	-	-	-	-	-	-	-	-	0.000	275.989

Note

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to PE 0604135A / Strategic Mid-Range Fires and PE 0605235A / Mid-Range Capability 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 from PE 0604644A to PE 0604135A / Strategic Mid-Range Fires and PE 0605235A / Mid-Range Capability in FY 2023. Four MRC batteries will be developed and deployed. The mission of the MRC Prototype Weapon System is to provide Combatant Commanders with a strategic, ground-mobile, offensive missile capability. The MRC Prototype Weapon System will leverage existing SM-6 and Tomahawk missiles for ground launch, to provide a responsive, highly accurate, deep strike capability designed to destroy high value, high payoff 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 allowing the Combatant Commander freedom to maneuver during the exploitation phase.

The MRC Prototype Weapon System leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events. MRC provides the Launchers and Battery Operations Center (BOC) which enable the capability to fire a mix of missiles capable of flying at various speeds and altitudes for mid-range distances to engage targets. The first MRC Prototype Weapon System deliverable quantity is one residual combat MRC prototype battery consisting of four Launchers and one BOC, to be deployed NLT 4Q FY 2023 as the First Unit of Issue (FUI). Delivery of follow-on batteries will occur annually thereafter.

FY 2023 Base funding of the PE 0604644A in the amount of \$404.291 million has been moved from PE 0604644A to PE 0604135A / Strategic Mid-Range Fires in the amount of \$404.291 million and funds the integration of design requirements to complete and deploy the prototype battery, and to support fabrication of subsequent prototype batteries. Base funding allows for integration and evaluation of required characteristics to ensure safe and effective operational fielding of the prototype battery. Base funding also allows for purchasing and receiving hardware and materials to implement prototype fabrication, and to support component-level and system-level qualification.

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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 0604644A / <i>Mobile Medium Range Missile</i>
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B. Program Change Summary (\$ in Millions)	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	286.445	0.000	0.000	-	0.000
Current President's Budget	275.989	0.000	0.000	-	0.000
Total Adjustments	-10.456	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-10.456	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / <i>Mobile Medium Range Missile</i>	Project (Number/Name) MR1 / <i>Mobile Intermediate Range Missile</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
MR1: <i>Mobile Intermediate Range Missile</i>	-	275.989	-	-	-	-	-	-	-	-	0.000	275.989
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved to PE 0604135A / Strategic Mid-Range Fires and PE 0605235A / Mid-Range Capability in FY 2023.

A. Mission Description and Budget Item Justification

The Program Element (PE) 0604644A / Mobile Medium Range Missile was moved from PE 0604644A to PE 0604135A / Strategic Mid-Range Fires and PE 0605235A / Mid-Range Capability in FY 2023. Four MRC batteries will be developed and fielding. The mission of the MRC Prototype Weapon System is to provide Combatant Commanders with a strategic, ground-mobile, offensive missile capability. The MRC Prototype Weapon System will leverage existing SM-6 and Tomahawk missiles for ground launch, to provide a responsive, highly accurate, deep strike capability designed to destroy high value, high payoff 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 allowing the Combatant Commander freedom to maneuver during the exploitation phase.

The MRC Prototype Weapon System leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events. MRC provides the Launchers and Battery Operations Center (BOC) which enable the capability to fire a mix of missiles capable of flying at various speeds and altitudes for mid-range distances to engage targets. The first MRC Prototype Weapon System deliverable quantity is one residual combat MRC prototype battery consisting of four Launchers and one BOC, to be deployed NLT 4Q FY 2023 as the First Unit of Issue (FUI). Delivery of follow-on batteries will occur annually thereafter.

FY 2023 Base funding in the amount of \$404.291 million was moved from PE 0604644A to PE 0604135A and funds the integration of design requirements to complete and field the prototype battery, and to support fabrication of subsequent prototype batteries. Base funding allows for integration and evaluation of required characteristics to ensure safe and effective operational fielding of the prototype battery. Base funding also allows for purchasing and receiving hardware and materials to implement prototype fabrication, and to support component-level and system-level qualification.

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

	FY 2022	FY 2023	FY 2024
Title: Mid-Range Capability (MRC) Launcher Payload Deployment System (PDS)	43.165	-	-
Description: The MRC Launcher Payload Deployment System (PDS) project leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events for the MRC PDS. MRC Launcher PDS stows and fires a mix of missile types to include SM-6 and Tomahawk. The missiles are capable of flying at various speeds and altitudes for mid-range			

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Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / <i>Mobile Medium Range Missile</i>	Project (Number/Name) MR1 / <i>Mobile Intermediate Range Missile</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
distances to engage targets. The MRC Launcher PDS Project delivers four PDSs for each MRC Battery. Additional missiles may be integrated to the MRC Launcher PDS capability needs.			
Title: Mid-Range Capability (MRC) Ground Support Equipment (GSE) Description: The MRC Ground Support Equipment leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events for the GSE. This includes the Battery Operations Center (BOC), prime movers, trailers, generators, cabling, and support vehicles. The MRC BOC houses the federated Command and Control systems which enable the capability to fire a mix of missiles capable of flying at various speeds and altitudes for mid-range distances to engage targets.	93.083	-	-
Title: Mid-Range Capability (MRC) Missiles Description: MRC funds missiles and associated missile support equipment needed for the operational fielding of the MRC prototype Battery. The missiles are capable of flying at various speeds and altitudes for mid-range distances to engage targets. MRC provides Systems Engineering and Government Program Management for missile buys.	139.741	-	-
Accomplishments/Planned Programs Subtotals	275.989	-	-

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

N/A

Remarks

The Program Element (PE) 0604644A / Mobile Medium Range Missile (RCCTO) was moved from PE 0604644A to PE 0604135A / Strategic Mid-Range Fires (RCCTO) and PE 0605235A / Mid-Range Capability (PEO M&S) in FY 2023.

D. Acquisition Strategy

The MRC project will develop, integrate, and produce MRC specific analysis, design, development, and integration through a RCCTO prototype Other Transaction Authority (pOTA), which was awarded to Lockheed Martin (LM) in November 2020. Additionally, the pOTA will leverage the Strategic Capabilities Office (SCO), Navy, and US Marine Corps (USMC) investments in weapon system development since 2016 by providing a body of data including Technical Data Packages (TDP), Critical Design Review (CDR) artifacts, and active production lines. The MRC project will leverage existing contract vehicles to procure supporting items currently in production through a combination of Army and Navy contracts. Using these contracts, the MRC project retains commonality in production, training, logistics, and sustainment with the SCO and the Navy.

US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC) effort continues as the program transitions to the US Army Program Executive Office Missiles and Space (PEO M&S) PE 0605235A in FY 2023. Four MRC batteries will be developed and fielded; the initial MRC prototype battery will be developed by RCCTO, and the three remaining MRC batteries by PEO M&S.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / Mobile Medium Range Missile	Project (Number/Name) MR1 / Mobile Intermediate Range Missile
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Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
System Engineering and Program Management	Various	TBD : Huntsville, AL; National Capitol Region	-	11.173		-		-		-		-	0.000	11.173	-
Subtotal			-	11.173		-		-		-		-	0.000	11.173	N/A

Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Original Equipment Manufacturer (OEM)	SS/CPFF	Lockheed Martin : Various	-	78.212		-		-		-		-	0.000	78.212	-
Government Furnished Equipment (GFE)	Various	Various : Various	-	8.352		-		-		-		-	0.000	8.352	-
Other Government Agencies (OGA)	Various	Various : Various	-	22.371		-		-		-		-	0.000	22.371	-
MRC Missiles	Various	Navy Various : Various	-	139.140		-		-		-		-	0.000	139.140	-
Subtotal			-	248.075		-		-		-		-	0.000	248.075	N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Cyber, Software, Transportation	Various	Various : Various	-	7.237		-		-		-		-	0.000	7.237	-
Subtotal			-	7.237		-		-		-		-	0.000	7.237	N/A

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Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / <i>Mobile Medium Range Missile</i>	Project (Number/Name) MR1 / <i>Mobile Intermediate Range Missile</i>
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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test & Evaluation	Various	Various : Various	-	9.504		-		-		-		-	0.000	9.504	-
Subtotal			-	9.504		-		-		-		-	0.000	9.504	N/A
Project Cost Totals			-	275.989		-		-		-		-	0.000	275.989	N/A

Remarks
 The Program Element (PE) 0604644A / Mobile Medium Range Missile (RCCTO) was moved from PE 0604644A to PE 0604135A / Strategic Mid-Range Fires (RCCTO) and PE 0605235A / Mid-Range Capability (PEO M&S) in FY 2023.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / Mobile Medium Range Missile	Project (Number/Name) MR1 / Mobile Intermediate Range Missile

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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 Ground Support Equipment (GSE) Assembly																												
MRC Launcher Payload Deployment System (PDS) Assembly																												
MRC Battery Operation Center (BOC) Assembly																												
Initial System Integration and Check Out																												
New Materiel in Brief (NMIB)																												
Initial Fielding Prototype																												
Obtain Release to Train																												
NET																												
TRR																												
Obtain Release to Field Prototype																												
SM-6 Missile Test																												
Tomahawk Missile Test																												
CLS																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army			Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / Mobile Medium Range Missile	Project (Number/Name) MR1 / Mobile Intermediate Range Missile	

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
First Unit of Issue (FUI)									1																			

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604644A / <i>Mobile Medium Range Missile</i>	Project (Number/Name) MR1 / <i>Mobile Intermediate Range Missile</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MRC Ground Support Equipment (GSE) Assembly	3	2022	4	2023
MRC Launcher Payload Deployment System (PDS) Assembly	1	2022	1	2023
MRC Battery Operation Center (BOC) Assembly	1	2022	1	2023
Initial System Integration and Check Out	3	2022	1	2023
New Materiel in Brief (NMIB)	3	2022	3	2022
Initial Fielding Prototype	1	2023	4	2023
Obtain Release to Train	1	2023	4	2023
NET	2	2023	3	2023
TRR	2	2023	2	2023
Obtain Release to Field Prototype	3	2023	3	2023
SM-6 Missile Test	3	2023	3	2023
Tomahawk Missile Test	3	2023	3	2023
CLS	4	2023	4	2024
First Unit of Issue (FUI)	4	2023	4	2023

Note

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