

**UNCLASSIFIED**

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

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| <b>Appropriation/Budget Activity</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> |
|---|--|

| 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                         | -           | 88.100  | 286.445 | -            | -           | -             | 0.000   | 0.000   | 0.000   | 0.000   | 0.000            | 374.545    |
| MR1: <i>Mobile Intermediate Range Missile</i> | -           | 88.100  | 286.445 | -            | -           | -             | -       | -       | -       | -       | 0.000            | 374.545    |

**Note**

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.

**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 (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. This funds the US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC) effort and continues as the program transitions to the US Army Program Executive Office Missiles and Space (PEO M&S) PE 0655235A. Four MRC batteries will be developed and deployed; the initial MRC prototype battery will be developed by RCCTO, and the three remaining MRC batteries by PEO M&S. 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. PE 0604644A funded the \$5.016 million that was moved to PEO M&S PE 0605235A in support of the transition from RCCTO to PEO M&S.

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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2023 Army | <b>Date:</b> April 2022 |
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| <b>Appropriation/Budget Activity</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> |
|---|--|

| <b>B. Program Change Summary (\$ in Millions)</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023 Base</b> | <b>FY 2023 OCO</b> | <b>FY 2023 Total</b> |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget                       | 88.100         | 286.457        | 0.000               | -                  | 0.000                |
| Current President's Budget                        | 88.100         | 286.445        | 0.000               | -                  | 0.000                |
| Total Adjustments                                 | 0.000          | -0.012         | 0.000               | -                  | 0.000                |
| • Congressional General Reductions                | -              | -              |                     |                    |                      |
| • Congressional Directed Reductions               | -              | -              |                     |                    |                      |
| • Congressional Rescissions                       | -              | -              |                     |                    |                      |
| • Congressional Adds                              | -              | -              |                     |                    |                      |
| • Congressional Directed Transfers                | -              | -              |                     |                    |                      |
| • Reprogrammings                                  | -              | -              |                     |                    |                      |
| • SBIR/STTR Transfer                              | -              | -              |                     |                    |                      |
| • FFRDC Transfer                                  | -              | -0.012         | -                   | -                  | -                    |

**Change Summary Explanation**

FFRDC took 12 from the budget.

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

| <b>Appropriation/Budget Activity</b><br>2040 / 4 |             |         |         |              | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> |               |         |         | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</i> |         |                  |            |
|--|-------------|---------|---------|--------------|--|---------------|---------|---------|--|---------|------------------|------------|
| 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 |
| MR1: <i>Mobile Intermediate Range Missile</i>    | -           | 88.100  | 286.445 | -            | -  | -             | -       | -       | -  | -       | 0.000            | 374.545    |
| Quantity of RDT&E Articles                       | -           | -       | -       | -            | -  | -             | -       | -       | -  | -       |                  |            |

**Note**

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.

**A. Mission Description and Budget Item Justification**

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. This funds the US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC) effort and continues as the program transitions to the US Army Program Executive Office Missiles and Space (PEO M&S) PE 0605235A. Four MRC batteries will be developed and fielding; the initial MRC prototype battery will be developed by RCCTO, and the three remaining MRC batteries by PEO M&S. 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. PE 0604644A funded the \$5.016 million that was moved to PEO M&S PE 0655235A in support of the transition from RCCTO to PEO M&S.

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

|  | FY 2021 | FY 2022 | FY 2023 |
|--|---------|---------|---------|
| <b>Title:</b> Mobile Intermediate Range Missile (MIRM) MR1 | 88.100  | -       | -       |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Army |  | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>2040 / 4                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|----------------|
| <p><b>Description:</b> 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&amp;S) in FY 2023. This funds the US Army Rapid Capabilities and Critical Technologies Office (RCCTO) Mid-Range Capability (MRC) effort and continues as the program transitions to the US Army Program Executive Office Missiles and Space (PEO MS) PE 0605235A. Four MRC batteries will be developed and fielded; the MRC prototype battery will be developed by RCCTO, and the three remaining MRC batteries by PEO MS. The mission of the MRC project is to provide Combatant Commanders with a strategic, ground-mobile, offensive missile capability. The MRC Project 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 Joint Force Commander freedom to maneuver during the exploitation phase.</p> <p>The MRC project 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 MRC project deliverable quantity is one residual combat MRC prototype battery consisting of four Launchers and one BOC, to be fielded NLT 4Q FY 2023 as the First Unit of Issue (FUI).</p> <p>The MRC Launcher Payload Deployment System project leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events for the MRC Payload Deployment System. 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 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.</p> <p>The MRC Ground Support Equipment project leverages Joint Service technologies and integration of common hardware, software, and mutually supporting test events for the Ground Support Equipment. The Ground Support Equipment includes the Battery Operations Center, prime movers, trailer, generators, cabling, and support vehicles.</p> <p>The MRC Missiles project 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.</p> |                |                |                |
| <p><b>Title:</b> Mid-Range Capability (MRC) Launcher Payload Deployment System (PDS)</p> <p><b>Description:</b> 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</p>  | -              | 43.165         | -              |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Army   |  | <b>Date:</b> April 2022  |                |                |
| <b>Appropriation/Budget Activity</b><br>2040 / 4   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2021</b>   | <b>FY 2022</b> | <b>FY 2023</b> |
| <p>of missile types to include SM-6 and Tomahawk. The missiles are capable of flying at various speeds and altitudes for mid-range 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.</p> <p><b>FY 2022 Plans:</b><br/>The FY 2022 Base funding in the amount of \$46.490 million funds the fabrication, integration of design requirements, and test and evaluation for the four MRC Launcher PDS. Base funding ensures safe and effective operational fielding of the MRC Launcher PDS. This funds the OEMs effort to obtain materials and sub-assemblies and to fabricate the MRC Launcher Payload Deployment System. This effort completes the design, development, and integration of required characteristics to ensure safe and effective operational fielding of the MRC Launcher PDS solution. Launcher integration ensures that the system is stable during launch and meets transportation requirements. Provides for the Government and Contractor coordination required to participate and plan for initial Test and Evaluation events. Integration efforts include wireless communication, rapid reloading, improved mobility, weight reduction, and M-Code implementation. Provides Systems Engineering and Government Program Management for MRC GSE project.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br/>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&amp;S) in FY 2023.</p> |  |  |                |                |
| <p><b>Title:</b> Mid-Range Capability (MRC) Ground Support Equipment (GSE)</p> <p><b>Description:</b> 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.</p> <p><b>FY 2022 Plans:</b><br/>The FY 2022 Base funded the amount of \$100.226 million funded the fabrication, integration of design requirements, and test and evaluation for the MRC Ground Support Equipment (GSE) and MRC Battery Operations Center (BOC). The FY 2022 Base funding ensures safe and effective operational fielding of the MRC GSE and the prototype BOC. This funds the OEMs effort to obtain materials and sub-assemblies and to fabricate the MRC BOC and funds the system integration across military branches to include the OEM contractor and other government agencies in order to ensure a common MRC GSE. This effort completes the design, development, and integration of required characteristics to ensure safe and effective operational fielding. Provides for the Government and Contractor coordination required to participate and plan for initial Test and Evaluation events. Integration</p>  |  | -  | 93.083         | -              |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Army   |  | <b>Date:</b> April 2022  |                |                |
| <b>Appropriation/Budget Activity</b><br>2040 / 4   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2021</b>   | <b>FY 2022</b> | <b>FY 2023</b> |
| efforts include wireless communication, improved mobility, weight reduction, and M-Code implementation. Provides Systems Engineering and Government Program Management for MRC GSE project.  |  |  |                |                |
| <b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br>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.   |  |  |                |                |
| <b>Title:</b> Mid-Range Capability (MRC) Missiles  |  | -  | 139.741        | -              |
| <b>Description:</b> 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. |  |  |                |                |
| <b>FY 2022 Plans:</b><br>FY 2022 funds the MRC missile buy to meet requirements. Details at a higher classification.   |  |  |                |                |
| <b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br>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.   |  |  |                |                |
| <b>Title:</b> SIBR/STTR Transfer   |  | -  | 10.456         | -              |
| <b>Description:</b> Funding transferred in accordance with Title 15 USC ?638   |  |  |                |                |
| <b>FY 2022 Plans:</b><br>Funding transferred in accordance with Title 15 USC ?638  |  |  |                |                |
| <b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br>Funding transferred in accordance with Title 15 USC ?638   |  |  |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  |  | 88.100   | 286.445        | -              |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>   |  |  |                |                |
| N/A  |  |  |                |                |
| <b>Remarks</b>   |  |  |                |                |
| 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-2A, RDT&E Project Justification: PB 2023 Army |  | Date: April 2022   |
| Appropriation/Budget Activity<br>2040 / 4               | R-1 Program Element (Number/Name)<br>PE 0604644A / Mobile Medium Range Missile | Project (Number/Name)<br>MR1 / Mobile Intermediate Range Missile |

**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 2023 Army** **Date:** April 2022

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

| <b>Management Services (\$ in Millions)</b> |                        |   |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 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          |                  |            |                          |
| Program Planning                            | Various                | multiple : multiple                           | 4.794       | 3.959   | Mar 2021   | -       |            | -            |            | -           |            | -             | 0.000            | 8.753      | -                        |
| System Engineering and Program Management   | Various                | TBD : Huntsville, AL; National Capitol Region | -           | -       |            | 11.173  |            | -            |            | -           |            | -             | 0.000            | 11.173     | -                        |
| SIBR/STTR Tranfer                           | TBD                    | TBD : TBD                                     | -           | -       |            | 10.456  |            | -            |            | -           |            | -             | 0.000            | 10.456     | -                        |
| <b>Subtotal</b>                             |                        |   | 4.794       | 3.959   |            | 21.629  |            | -            |            | -           |            | -             | 0.000            | 30.382     | N/A                      |

| <b>Product Development (\$ in Millions)</b>                    |                        |                                |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 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          |                  |            |                          |
| Contracts for technology development, integration, prototyping | Various                | multiple : multiple            | -           | 84.141  | Mar 2021   | -       |            | -            |            | -           |            | -             | 0.000            | 84.141     | -                        |
| 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    | -                        |
| <b>Subtotal</b>  |                        |                                | -           | 84.141  |            | 248.075 |            | -            |            | -           |            | -             | 0.000            | 332.216    | N/A                      |

| <b>Support (\$ in Millions)</b> |                        |                                |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 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      | -                        |
| <b>Subtotal</b>                 |                        |                                | -           | -       |            | 7.237   |            | -            |            | -           |            | -             | 0.000            | 7.237      | N/A                      |

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Army** **Date:** April 2022

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

| <b>Test and Evaluation (\$ in Millions)</b> |                        |                                |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 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      | -                        |
| <b>Subtotal</b>                             |                        |                                | -           | -       |            | 9.504   |            | -            |            | -           |            | -             | 0.000            | 9.504      | N/A                      |
| <b>Project Cost Totals</b>                  |                        |                                | 4.794       | 88.100  |            | 286.445 |            | -            |            | -           |            | -             | 0.000            | 379.339    | 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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| <b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2023 Army</b> |  | <b>Date: April 2022</b>  |
| <b>Appropriation/Budget Activity</b><br>2040 / 4             | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</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 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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|--|--|--|-------------------------|
| <b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2023 Army</b> |  |  | <b>Date:</b> April 2022 |
| <b>Appropriation/Budget Activity</b><br>2040 / 4             | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>MR1 / <i>Mobile Intermediate Range Missile</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 |
| First Unit of Issue (FUI) |         |   |   |   |         |   |   |   | ↑       |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

**Note**  
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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|---|--|--|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Army |  | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>2040 / 4              | <b>R-1 Program Element (Number/Name)</b><br>PE 0604644A / <i>Mobile Medium Range Missile</i> | <b>Project (Number/Name)</b><br>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**

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.