

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Air Force **Date:** March 2023

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| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force / BA 5: System Development &amp; Demonstration (SDD)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</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               | 2,271.862   | 580.365 | 928.850 | 911.406      | 0.000       | 911.406       | 704.911 | 600.531 | 287.752 | 76.348  | 0.000            | 6,362.025  |
| 657011: <i>LONG RANGE STAND-OFF</i> | 2,271.862   | 580.365 | 928.850 | 911.406      | 0.000       | 911.406       | 704.911 | 600.531 | 287.752 | 76.348  | 0.000            | 6,362.025  |
| Quantity of RDT&E Articles          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -                | -          |

**Program MDAP/MAIS Code:** 489

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

The Long Range Stand Off (LRSO) Cruise Missile is a long range survivable stand-off weapon capable of delivering lethal nuclear effects on strategic targets. LRSO will replace the currently fielded Air Launched Cruise Missile (ALCM) and will be integrated on both legacy and future bomber aircraft. The LRSO weapon system will be capable of penetrating and surviving advanced Integrated Air Defense Systems (IADS) from significant stand-off range to prosecute strategic targets in support of the Air Force's global attack capability and strategic deterrence core function.

Funds may be used to address emerging or short-notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) and supply chain issues.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY22 \$0.00M was expended for civilian pay expenses in this program element, and in FY23 \$0.00M is forecasted for civilian pay expenses in this program element.

The program is conducting Development, Verification, and Test activities for design maturation, reliability growth and manufacturing maturation to support the Critical Design Review. The program is also conducting Engineering and Manufacturing Development tasks to validate requirements to support Development and Operational Testing, and Production Readiness.

FY24 PE 0604932F, RDT&E, Air Force is submitting a Technical Adjustment to realign \$20.0 million to PE 0202178F Operation and Maintenance, Air Force to prepare existing facilities at Barksdale Air Force Base (AFB) to directly support Aircraft Monitor and Control (AMAC) and IOT&E.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

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| <b>B. Program Change Summary (\$ in Millions)</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024 Base</b> | <b>FY 2024 OCO</b> | <b>FY 2024 Total</b> |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget                       | 599.042        | 928.850        | 964.245             | 0.000              | 964.245              |
| Current President's Budget                        | 580.365        | 928.850        | 911.406             | 0.000              | 911.406              |
| Total Adjustments                                 | -18.677        | 0.000          | -52.839             | 0.000              | -52.839              |
| • Congressional General Reductions                | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Directed Reductions               | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Rescissions                       | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Adds                              | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Directed Transfers                | 0.000          | 0.000          |                     |                    |                      |
| • Reprogrammings                                  | 0.000          | 0.000          |                     |                    |                      |
| • SBIR/STTR Transfer                              | -18.677        | 0.000          |                     |                    |                      |
| • Other Adjustments                               | 0.000          | 0.000          | -52.839             | 0.000              | -52.839              |

**Change Summary Explanation**

FY22 reduction for Small Business Innovative Research  
 FY24 adjustment for: LRSO to Milestone B CAPE ICE

| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|---|----------------|----------------|----------------|
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|--|---------|---------|---------|
| <b>Title:</b> Long Range Stand-Off (LRSO) Weapon Development   | 512.072 | 702.905 | 703.727 |
| <b>Description:</b> Long Range Standoff weapon development includes the Cruise Missile, payload and aircraft integration, logistics support systems, mission planning, and component and subsystem test and evaluation.                        |         |         |         |
| <b>FY 2023 Plans:</b>  |         |         |         |
| The program will continue to design, develop, integrate and test the LRSO weapon system through the Engineering and Manufacturing Development contract.  |         |         |         |
| During FY23, the program plans to conduct the system-level Critical Design Review and prepare for execution of Development Test and Evaluation. It will initiate B-52 flight envelope testing and conduct Control Test Vehicle flight testing. |         |         |         |
| Related FY23 Activities include, but are not limited to, the following:  |         |         |         |
| - continue efforts to finalize the system design and conduct verification and test activities in support of the Critical Design Review.  |         |         |         |
| - continue reliability growth, manufacturability, and maintainability maturation activities in preparation for formal Development Test and Evaluation activities.  |         |         |         |
| - continue systems engineering activities, focusing on design for reliability and design for manufacturing.  |         |         |         |
| - continue test activities, such as, but not limited to, continued envelope testing and weapon system flight tests.  |         |         |         |
| - continue planning for Production Readiness Reviews prior to the build of the Initial Operational Test & Evaluation (IOT&E) units.  |         |         |         |
| - continue qualification and nuclear hardness testing to verify the system operates in intended environments.  |         |         |         |

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|--|---|

| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b>   | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|---|----------------|----------------|----------------|
| <ul style="list-style-type: none"> <li>- continue planning and development of logistics support systems.</li> <li>- develop and build associated carriage and launcher equipment, trainers, test equipment and support equipment.</li> <li>- continue to plan, develop, and mature support systems to include Common Support Equipment/Peculiar Support Equipment and transportation equipment.</li> <li>- continue planning for the use of Model Based System Engineering tools during Operations and Sustainment phase in order to transform supply chain management.</li> <li>- continue to mature the weapon system by conducting trade studies, system engineering, test activities, and system modeling and simulation.</li> <li>- continue to further develop analytical, information technology, and data management capabilities.</li> <li>- continue to implement information systems and information technology design to support EMD execution.</li> <li>- continue to expand and mature the analytical, information technology, test, and data management capabilities to ensure access to weapon system design information is properly controlled and securely transmitted between government and contractors.</li> <li>- continue to modify, modernize, and expand the analytic environment and labs to support EMD activities to enable full execution of the program's capability to own the technical baseline throughout the program life cycle. This involves establishing a digital engineering system including a supporting environment/infrastructure to perform digital activities, collaborate with and communicate across stakeholders.</li> <li>- continue to plan and execute critical software risk reduction activities.</li> <li>- continue to plan and execute payload and aircraft integration efforts.</li> <li>- continue to, through best program practices, ensure the following are met: requirements flow down, requirement allocation to hardware and software, and the requirements compliance matrix.</li> </ul> <p><b>FY 2024 Plans:</b><br/>The program will continue to design, develop, integrate and test the LRSO weapon system through the Engineering and Manufacturing Development contract.<br/>During FY24, The program plans to complete B-52 flight envelope testing and begin Development Test and Evaluation program execution.<br/>Related FY24 Activities include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>- continue reliability growth, manufacturability, and maintainability maturation activities in preparation for formal Development Test and Evaluation activities.</li> <li>- continue systems engineering activities focusing on design for reliability and design for manufacturing.</li> <li>- continue test activities, such as, but not limited to, continued envelope testing and weapon system flight tests.</li> <li>- continue planning for Production Readiness Reviews prior to the build of the Initial Operational Test &amp; Evaluation (IOT&amp;E) units.</li> <li>- continue qualification and nuclear hardness testing to verify the system operates in intended environments.</li> <li>- continue planning and development of the logistics support systems.</li> </ul> |                |                |                |

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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Air Force  |  | <b>Date:</b> March 2023   |                |                |
| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>   |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</i> |                |                |
| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b>   |  | <b>FY 2022</b>  | <b>FY 2023</b> | <b>FY 2024</b> |
| <ul style="list-style-type: none"> <li>- develop and build associated carriage and launcher equipment, trainers, test equipment and support equipment.</li> <li>- continue to plan, develop, and mature support systems to include Common Support Equipment/Peculiar Support Equipment and transportation equipment.</li> <li>- continue planning for the use of Model Based System Engineering tools during Operations and Sustainment phase in order to transform supply chain management.</li> <li>- continue to mature the weapon system by conducting trade studies, system engineering, test activities, and system modeling and simulation.</li> <li>- continue to further develop analytical, information technology, and data management capabilities.</li> <li>- continue to implement information systems and information technology design to support EMD execution.</li> <li>- continue to expand and mature the analytical, information technology, test, and data management capabilities to ensure access to weapon system design information is properly controlled and securely transmitted between government and contractors.</li> <li>- continue to modify, modernize, and expand the analytic environment and labs to support EMD activities to enable full execution of the program's capability to own the technical baseline throughout the program life cycle. This involves establishing a digital engineering system including a supporting environment/infrastructure to perform digital activities, collaborate with and communicate across stakeholders.</li> <li>- continue to plan and execute critical software risk reduction activities.</li> <li>- continue to plan and execute payload and aircraft integration efforts.</li> <li>- continue to, through best program practices, ensure the following are met: requirements flow down, requirement allocation to hardware and software, and the requirements compliance matrix.</li> </ul> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br/>Funding increased due to increase in LRSO development activities through EMD</p> |  |   |                |                |
| <p><b>Title:</b> All-Up-Round</p> <p><b>Description:</b> All-Up-Round activities include payload integration and platform integration. Further, these efforts include activities and assets related to weapon design compatibility and qualification, and other nuclear certification activities with both threshold and objective aircraft.</p> <p><b>FY 2023 Plans:</b><br/>During FY23, the program will begin B-52 flight envelope testing in support of platform integration. Related FY23 activities include, but are not limited to the following:</p> <ul style="list-style-type: none"> <li>- continue through program practices to ensure the following are met: requirements flow down, requirement allocation to hardware and software, requirements compliance matrix, system performance, reliability, maintainability, product assurance, testability, producibility and supportability.</li> </ul>  |  | 36.740  | 150.616        | 148.062        |

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| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>   |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</i> |                |                |
| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b>   |  | <b>FY 2022</b>  | <b>FY 2023</b> | <b>FY 2024</b> |
| <ul style="list-style-type: none"> <li>- continue facility and security infrastructure upgrades to enable secure connectivity and communication between Department of Defense (DoD), Department of Energy (DOE), and industry.</li> <li>- continue efforts to conduct parallel development, design, and test activities with the DOE to ensure the LRSO adequately integrates the DOE designed warhead into the system.</li> <li>- conduct safety studies and nuclear certification activities.</li> <li>- continue to perform aircraft integration efforts including activities associated with integration on threshold aircraft and aircraft mission planning system upgrades to accommodate the new weapon.</li> <li>- conduct joint DoD and DOE ground and flight activities to verify the missile to warhead interface and demonstrate the system meets performance specifications.</li> <li>- continue to collaborate with National Nuclear Security Administration to ensure seamless integration of DOE warhead assets into the cruise missile.</li> <li>- continue to execute and improve the unified certification strategy which meets nuclear surety, cyber security, and nuclear safety requirements.</li> <li>- continue other activities necessary for All-Up-Round integration. These efforts include: developing mission planning upgrade needs, Operational Flight Program (OFP) development and integration to deliver the OFP test tapes, planning activities necessary to integrate LRSO with aircraft, and ensuring the logical, electrical, and physical interfaces of the LRSO as defined in the Interface Control Document (ICD).</li> </ul> <p><b>FY 2024 Plans:</b><br/>During FY24, The program plans to complete B-52 flight envelope testing and begin Development Test and Evaluation program execution.<br/>Related FY24 Activities include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>- continue through program practices to ensure the following are met: requirements flow down, requirement allocation to hardware and software, requirements compliance matrix, system performance, reliability, maintainability, product assurance, testability, producibility and supportability.</li> <li>- continue facility and security infrastructure upgrades to enable secure connectivity and communication between Department of Defense (DoD), Department of Energy (DOE), and industry.</li> <li>- continue efforts to conduct parallel development, design, and test activities with the DOE to ensure the LRSO adequately integrates the DOE designed warhead into the system.</li> <li>- conduct safety studies and nuclear certification activities.</li> <li>- continue to perform aircraft integration efforts including activities associated with integration on threshold aircraft and aircraft mission planning system upgrades to accommodate the new weapon.</li> <li>- conduct joint DoD and DOE ground and flight activities to verify the missile to warhead interface and demonstrate the system meets performance specifications.</li> </ul> |  |   |                |                |

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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Air Force   |  | <b>Date:</b> March 2023   |                |                |
| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>  |  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</i> |                |                |
| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2022</b>  | <b>FY 2023</b> | <b>FY 2024</b> |
| <p>- continue to collaborate with National Nuclear Security Administration to ensure seamless integration of DOE warhead assets into the cruise missile.</p> <p>- continue to execute and improve the unified certification strategy which meets nuclear surety, cyber security, and nuclear safety requirements.</p> <p>- continue other activities necessary for All-Up-Round integration. These efforts include: developing mission planning upgrade needs, Operational Flight Program (OFP) development and integration to deliver the OFP test tapes, planning activities necessary to integrate LRSO with aircraft, and ensuring the logical, electrical, and physical interfaces of the LRSO as defined in the Interface Control Document (ICD).</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br/>Funding decrease due to a slight reduction in All-Up-Round efforts</p>   |  |   |                |                |
| <p><b>Title:</b> Test Support</p> <p><b>Description:</b> Conduct Test Support activities to support weapon development</p> <p><b>FY 2023 Plans:</b><br/>The Government formally arranges and funds the use of Government flight test support for ground and flight test activities. During FY23, the program will begin B-52 flight envelope testing and execute Control Test Vehicle flight testing. Related FY23 activities include, but are not limited to the following:</p> <ul style="list-style-type: none"> <li>- continue to perform design validation, verification, test, nuclear certification activities (to include design and operational certification) and system qualification activities.</li> <li>- continue test planning and execution activities to support LRSO weapon development, All-Up-Round technical integration, warhead integration and aircraft integration.</li> <li>- continue coordination with external test agencies in preparation for operational and post-production flight testing.</li> </ul> <p><b>FY 2024 Plans:</b><br/>The Government formally arranges and funds the use of Government flight test support for ground and flight test activities. During FY24, the program plans to complete B-52 flight envelope testing and begin Development Test and Evaluation program execution. Related FY24 Activities include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>- continue to perform design validation, verification, test, nuclear certification activities (to include design and operational certification) and system qualification activities.</li> <li>- continue test planning and execution activities to support LRSO weapon development, All-Up-Round technical integration, warhead integration and aircraft integration.</li> </ul> |  | 31.553  | 75.329         | 59.617         |

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|---|---|
| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force / BA 5: System Development &amp; Demonstration (SDD)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</i> |
|---|---|

| <b>C. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|--|----------------|----------------|----------------|
| - continue coordination with external test agencies in preparation for operational and post-production flight testing.               |                |                |                |
| <b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b><br>Funding decreased due to a slight reduction in Test support efforts |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  | 580.365        | 928.850        | 911.406        |

| <b>D. Other Program Funding Summary (\$ in Millions)</b> |                |                |                         |                        |                          |                |                |                |                |                             |                   |
|--|----------------|----------------|-------------------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|-----------------------------|-------------------|
| <b>Line Item</b>   | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024<br/>Base</b> | <b>FY 2024<br/>OCO</b> | <b>FY 2024<br/>Total</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> | <b>FY 2028</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • MPAF 02 MLRSO1: <i>Long Range Stand-Off Weapon</i>     | 0.000          | 31.454         | 66.816                  | -                      | 66.816                   | 135.218        | 295.087        | 1,073.038      | 1,682.164      | 6,485.740                   | 9,769.517         |
| • OPAF 03 833140: <i>Strategic Command And Control</i>   | 0.000          | 20.442         | 0.000                   | -                      | 0.000                    | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                       | 20.442            |

**Remarks**

**E. Acquisition Strategy**  
 The acquisition strategy focuses on the development of the All Up Round Weapon System, integration with the nuclear warhead, executing aircraft integration activities, and conducting test and evaluation with a continued robust reliability and manufacturing approach. The program obtained a successful MS A decision in July 2016 and subsequently released a Request for Proposals. The program competitively selected two prime contractors in August 2017 to execute the Technology Maturation and Risk Reduction (TMRR) phase. The selected prime contractors executed the Cost-Plus-Fixed-Fee (CPFF) contracts during TMRR with activities focused on developing and maturing subsystem and system designs. In FY20, LRSO pivoted to sole source TMRR contractor, enabling Development RFP (dRFP) release & MS B. MS B was approved via an Acquisition Decision Memorandum in June 2021 and a contract for Engineering and Manufacturing Development was awarded in July 2021.

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force |                        |                                |             |  |            |         |            |                               |            |             |            | Date: March 2023 |                  |            |                          |  |
|---|------------------------|--------------------------------|-------------|--|------------|---------|------------|-------------------------------|------------|-------------|------------|------------------|------------------|------------|--------------------------|--|
| Appropriation/Budget Activity                               |                        |                                |             | R-1 Program Element (Number/Name)        |            |         |            | Project (Number/Name)         |            |             |            |                  |                  |            |                          |  |
| 3600 / 5  |                        |                                |             | PE 0604932F / Long Range Standoff Weapon |            |         |            | 657011 / LONG RANGE STAND-OFF |            |             |            |                  |                  |            |                          |  |
| <b>Product Development (\$ in Millions)</b>                 |                        |                                |             | FY 2022                                  |            | FY 2023 |            | FY 2024 Base                  |            | FY 2024 OCO |            | FY 2024 Total    |                  |            |                          |  |
| Cost Category Item  | Contract Method & Type | Performing Activity & Location | Prior Years | Cost                                     | Award Date | Cost    | Award Date | Cost                          | Award Date | Cost        | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |  |
| Long Range Standoff Weapon Development                      | SS/CPFF                | Various : TBD                  | 1,800.484   | 471.269                                  | Oct 2021   | 659.563 | Oct 2022   | 668.626                       | Oct 2023   | -           |            | 668.626          | 1,319.622        | 4,919.564  | -                        |  |
| <b>Subtotal</b>   |                        |                                | 1,800.484   | 471.269                                  |            | 659.563 |            | 668.626                       |            | -           |            | 668.626          | 1,319.622        | 4,919.564  | N/A                      |  |
| <b>Support (\$ in Millions)</b>                             |                        |                                |             | FY 2022                                  |            | FY 2023 |            | FY 2024 Base                  |            | FY 2024 OCO |            | FY 2024 Total    |                  |            |                          |  |
| Cost Category Item  | Contract Method & Type | Performing Activity & Location | Prior Years | Cost                                     | Award Date | Cost    | Award Date | Cost                          | Award Date | Cost        | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |  |
| Aircraft Integration Planning                               | Various                | Various : TBD                  | 107.741     | 18.036                                   | Oct 2021   | 48.596  | Oct 2022   | 23.700                        | Oct 2023   | -           |            | 23.700           | 24.400           | 222.473    | -                        |  |
| All-Up-Round Activities                                     | Various                | Various : TBD                  | 52.884      | 18.704                                   | Jan 2022   | 102.021 | Oct 2022   | 124.362                       | Oct 2023   | -           |            | 124.362          | 126.629          | 424.600    | -                        |  |
| <b>Subtotal</b>   |                        |                                | 160.625     | 36.740                                   |            | 150.617 |            | 148.062                       |            | -           |            | 148.062          | 151.029          | 647.073    | N/A                      |  |
| <b>Test and Evaluation (\$ in Millions)</b>                 |                        |                                |             | FY 2022                                  |            | FY 2023 |            | FY 2024 Base                  |            | FY 2024 OCO |            | FY 2024 Total    |                  |            |                          |  |
| Cost Category Item  | Contract Method & Type | Performing Activity & Location | Prior Years | Cost                                     | Award Date | Cost    | Award Date | Cost                          | Award Date | Cost        | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |  |
| Test Support  | Various                | Various : TBD                  | 149.574     | 31.553                                   | Jan 2022   | 75.329  | Jan 2023   | 59.616                        | Jan 2024   | -           |            | 59.616           | 142.620          | 458.692    | -                        |  |
| <b>Subtotal</b>   |                        |                                | 149.574     | 31.553                                   |            | 75.329  |            | 59.616                        |            | -           |            | 59.616           | 142.620          | 458.692    | N/A                      |  |
| <b>Management Services (\$ in Millions)</b>                 |                        |                                |             | FY 2022                                  |            | FY 2023 |            | FY 2024 Base                  |            | FY 2024 OCO |            | FY 2024 Total    |                  |            |                          |  |
| Cost Category Item  | Contract Method & Type | Performing Activity & Location | Prior Years | Cost                                     | Award Date | Cost    | Award Date | Cost                          | Award Date | Cost        | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |  |
| Program Management Administration                           | Various                | Various : TBD                  | 161.179     | 40.803                                   | Oct 2021   | 43.341  | Oct 2022   | 35.102                        | Oct 2023   | -           |            | 35.102           | 71.068           | 351.493    | -                        |  |
| <b>Subtotal</b>   |                        |                                | 161.179     | 40.803                                   |            | 43.341  |            | 35.102                        |            | -           |            | 35.102           | 71.068           | 351.493    | N/A                      |  |



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| <b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Air Force</b> |  | <b>Date:</b> March 2023                                       |
| <b>Appropriation/Budget Activity</b><br>3600 / 5                  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / Long Range Standoff Weapon | <b>Project (Number/Name)</b><br>657011 / LONG RANGE STAND-OFF |

| 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 |

|   |  |
|---|--|
| <b>Long Range StandOff Weapon</b>               |  |
| Engineering and Manufacturing Development Phase |  |
| CDR   |  |
| Milestone C Decision                            |  |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force |   | <b>Date:</b> March 2023  |
| <b>Appropriation/Budget Activity</b><br>3600 / 5                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604932F / <i>Long Range Standoff Weapon</i> | <b>Project (Number/Name)</b><br>657011 / <i>LONG RANGE STAND-OFF</i> |

Schedule Details

| Events by Sub Project                           | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| <b><i>Long Range StandOff Weapon</i></b>        |         |      |         |      |
| Engineering and Manufacturing Development Phase | 1       | 2022 | 2       | 2027 |
| CDR   | 2       | 2023 | 2       | 2023 |
| Milestone C Decision                            | 3       | 2027 | 3       | 2027 |

**Note**  
Engineering and Manufacturing Development Phase contract awarded July 2021