

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

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| <b>Appropriation/Budget Activity</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 6: RDT&amp;E Management Support</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z I <i>Defense Technology Analysis</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                               | -           | 33.989  | 55.565  | 60.404       | -           | 60.404        | 60.492  | 61.792  | 63.193  | 65.070  | Continuing       | Continuing |
| <i>728: Homeland Defense Capability Development</i> | -           | 2.601   | 4.274   | 3.187        | -           | 3.187         | 2.845   | 2.906   | 2.966   | 3.030   | Continuing       | Continuing |
| <i>796: Laboratory Resource Management</i>          | -           | 17.895  | 31.024  | 33.773       | -           | 33.773        | 33.760  | 34.280  | 35.007  | 35.770  | Continuing       | Continuing |
| <i>797: Defense Technology Analysis</i>             | -           | 8.129   | 11.533  | 14.530       | -           | 14.530        | 14.755  | 15.278  | 15.697  | 16.541  | Continuing       | Continuing |
| <i>798: Defense Support Teams</i>                   | -           | 5.364   | 8.734   | 8.914        | -           | 8.914         | 9.132   | 9.328   | 9.523   | 9.729   | Continuing       | Continuing |

**Note**

New Start (Y/N): No

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

This program supports the Department’s initiatives to Build a Sustainable and Long-Term Advantage, and Build a Resilient Joint Force and Defense Ecosystem.

The Under Secretary of Defense for Research and Engineering (USD(R&E)) is the principal staff advisor to the Secretary and Deputy Secretary of Defense, responsible for the research, development, and prototyping activities across the Department of Defense (DoD) enterprise. In this capacity, the USD(R&E) conducts analyses and studies; develops policies; provides technical leadership, oversight, and advice; and issues guidance for the DoD Research, Development, Test and Evaluation (RDT&E) programs. This program element (PE) provides mission support to the USD(R&E) covering a wide range of studies and analysis in support of the R&E program and its impacts on the Department’s decision to fund RDT&E efforts. Such activities include: (1) identification and development of new technological opportunities; (2) insertion of new technologies into warfighting systems and operations; and (3) management and evaluation of the effectiveness of technology programs.

The Homeland Defense Capability Development project funds initiatives to address technology application in support of homeland defense of our military installations and the surrounding areas.

The Laboratory Resource Management project provides funding for the Defense Laboratory Office within the USD(R&E). The Defense Laboratory Office mission is to craft policy and provide the oversight necessary to both preserve current, and develop future, DoD in-house laboratory capabilities such that they continue to generate mission-critical innovations that increase the U.S. military advantage and enhance U.S. national security. The Defense Laboratory Office advocates and supports the DoD laboratory system in three areas: (1) facilities and infrastructure; (2) personnel and quality of workforce; and (3) technology transfer. FY 2022 added the Central Lab Investment Program (CLIP). This effort seeks to address infrastructure gaps within the Department’s Laboratory community by establishing a dedicated funding stream for the DoD’s laboratories to address infrastructure issues, including facility planning, design, construction, sustainment repair, and/or modernization.

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| <b>Appropriation/Budget Activity</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 6: RDT&amp;E Management Support</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> |
|--|--|

The Defense Technology Analysis project funds research and technical analysis and management, under the direction of the Deputy Chief Technology Officer for Critical Technologies (DCTO(CT)). These investments will promote further prioritization and targeting of the Department's key investments across the modernization efforts.

The Defense Support Teams project provides funding for engineering, scientific, and analytical support to the USD(R&E) in its responsibility for direction, overall quality, and content of the science and technology (S&T) program and to ensure that the technology being developed is affordable and helps minimize system development risk.

| <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                       | 35.149         | 56.114         | 58.396              | -                  | 58.396               |
| Current President's Budget                        | 33.989         | 55.565         | 60.404              | -                  | 60.404               |
| Total Adjustments                                 | -1.160         | -0.549         | 2.008               | -                  | 2.008                |
| • Congressional General Reductions                | -              | -0.549         |                     |                    |                      |
| • Congressional Directed Reductions               | -              | -              |                     |                    |                      |
| • Congressional Rescissions                       | -              | -              |                     |                    |                      |
| • Congressional Adds                              | -              | -              |                     |                    |                      |
| • Congressional Directed Transfers                | -              | -              |                     |                    |                      |
| • Reprogrammings                                  | -              | -              |                     |                    |                      |
| • SBIR/STTR Transfer                              | -1.155         | -              |                     |                    |                      |
| • Program Adjustments                             | -0.005         | -              | 2.008               | -                  | 2.008                |

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 796: *Laboratory Resource Management*

Congressional Add: *Program Increase - Defense Technology Transfer*

Congressional Add Subtotals for Project: 796

Congressional Add Totals for all Projects

|  | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|
|  | 3.000          | -              |
|  | 3.000          | -              |
|  | 3.000          | -              |

**Change Summary Explanation**

FY 2024 increase of \$2.008 million is comprised of a realignment of \$1.271 million to support the Historically Black Colleges and Universities/Minority Serving Institutions program, which is a priority of the Under Secretary of Defense for Research and Engineering (USD(R&E)), \$0.061 million to support departmental priorities, an economic assumption increase of \$0.340 million, and a technical adjustment for project 797 of \$3.000 million to support international engagement and other operational requirements increasing investment in engineering, scientific, analytical, and managerial support for R&E modernization efforts.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

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| <b>Appropriation/Budget Activity</b><br>0400 / 6 | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>728 / <i>Homeland Defense Capability Development</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 |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| <i>728: Homeland Defense Capability Development</i> | -           | 2.601   | 4.274   | 3.187        | -           | 3.187         | 2.845   | 2.906   | 2.966   | 3.030   | Continuing       | Continuing |
| Quantity of RDT&E Articles                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       |                  |            |

**Note**

In order to better align and support the Joint Warfighting Concept, the Homeland Defense Capability Development initiative is focused on small unmanned and counter small unmanned systems science and technology (S&T) innovation.

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

The Homeland Defense Capability Development Initiatives project uniquely engages with the Services, Combatant Commands, and our federal partners on critical S&T initiatives to both develop emerging unmanned systems technology and countering small unmanned system threats to our military forces and installations across all domains. Work in this project explores and identifies critical technology needs across the domains of Air, Land, Sea and Space, and enables development of synergistic platforms and weapons systems S&T strategies to include unmanned and counter small unmanned systems technologies, directed energy, munitions, power and energy, and their applications to future force projection and protection capabilities as identified in the National Defense Strategy.

Key technology applications complement the Office of the Under Secretary of Defense for Research and Engineering's (OUSD(R&E)) modernization priorities: Fully Networked Command, Control, and Communications; Directed Energy; Cyber; Autonomy; and Machine Learning/Artificial Intelligence.

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

|   | FY 2022 | FY 2023 | FY 2024 |
|---|---------|---------|---------|
| <b>Title:</b> Homeland Defense Capability Development Initiatives   | 2.601   | 3.418   | 3.187   |
| <b>Description:</b> The Homeland Defense Capability Development Initiatives project uniquely engages with the Services, Combatant Commands, and our federal partners on critical S&T initiatives to both develop emerging unmanned systems technology and countering small unmanned system threats to our military forces and installations across all domains. Work in this project explores and identifies critical technology needs across the all domains, and supports development of synergistic enabling platforms and weapons systems S&T strategies to include unmanned and counter small unmanned systems technologies, munitions, power and energy, advanced materials, position, navigation and timing and quantum science, biotechnology, future generation wireless technology, and their applications to future force projection and protection capabilities as identified in the National Defense Strategy. |         |         |         |
| Key technology applications complement the Office of the Under Secretary of Defense for Research and Engineering's critical technology areas: Integrated Network System-of-Systems; Directed Energy; Integrated Sensing and Cyber; Trusted Artificial   |         |         |         |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense   |  | <b>Date:</b> March 2023  |                |                |
| <b>Appropriation/Budget Activity</b><br>0400 / 6   | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>728 / <i>Homeland Defense Capability Development</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  |  | <b>FY 2022</b>   | <b>FY 2023</b> | <b>FY 2024</b> |
| <p>Intelligence and Autonomy; Human Machine Interfaces; Advanced Materials; Biotechnology; Quantum Science; and Future Generation Wireless Technology.</p> <p><b>FY 2023 Plans:</b><br/>Complete analyses of 5G-enabled autonomous threats, exploring ways in which the 5G communication and control links associated with a small Unmanned Aircraft System (sUAS) platform can be used for detection and discrimination from non-sUAS 5G users. Evaluate Group 3 Unmanned Aircraft System impacts on integrated air defense capabilities in the North American Aerospace Defense Command (NORAD) and United States Northern Command (USNORTHCOM) or United States Indo-Pacific Command (INDOPACOM) areas of regard, describe limitations of current technology, as well as identify opportunities for new technologies to improve integrated air defense capabilities against emerging Group 3 UAS threats. Further strategic studies, analyses and modeling to identify critical technologies required to enable advanced force projection and protection capabilities and mitigate adversarial large-scale collaborative engagement and swarming of munitions and unmanned systems. Assess and identify critical unmanned systems technologies and novel use of cross domain unmanned systems across force protection applications.</p> <p><b>FY 2024 Plans:</b><br/>Complete the development and understanding of the characterization of sUAS 5G transmitters/receivers. Complete analysis and assessments to understand if there is any 5G information (protocols, header information, and message content) that can be used to detect/track/identify 5G sUAS. Complete characterization of how a sUAS behaves under different jamming/electronic warfare conditions. Conduct an overview of counter unmanned systems swarm science and technology (S&amp;T) developmental efforts and field testing of technologies that offer scalable/modular options, and can lead to rapid development of deployable systems. Identify new technologies to improve air defense capabilities and force protections against radio frequency jamming / global navigation satellite system resilient threat UAS. Continue assessment of S&amp;T efforts of unmanned systems in the area of countering autonomous systems/swarms and intelligence, surveillance, and reconnaissance (ISR) sUAS. Complete modeling and simulation analysis of large scale counter unmanned systems capabilities in the homeland based on current/future technical capabilities of both friendly and adversarial unmanned systems. Complete joint allied counter-swarm analysis and S&amp;T counter-swarm efforts as part of the United States/United Kingdom Stocktake agreement and The Technical Cooperation Program (TTCP); implement a plan to transition capabilities to operational prototype and fielding to the Warfighter. Further strategic studies, analyses and modeling to identify critical technologies required to enable advanced force projection and protection capabilities and mitigate future adversarial threats.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br/>The decrease of \$0.231 million between FY 2023 and FY 2024 reflect minor deviations in budget priorities.</p> |  |  |                |                |
| <b>Title:</b> Defense Advanced Battery Supply Chain  |  | -  | 0.856          | -              |

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| <b>Appropriation/Budget Activity</b><br>0400 / 6   | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>728 / <i>Homeland Defense Capability Development</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|---|----------------|----------------|----------------|
| <p><b><i>FY 2023 Plans:</i></b><br/>In coordination with Army, Navy, and USD(A&amp;S), generate analytics that characterize the Department's current and projected energy/advanced battery needs. Develop and implement the methodology to effectively measure and track vulnerabilities in the battery supply chain across the Services.</p> <p>Funding provided in PEs 0603342D8Z, 0605798D8Z, 0603680D8Z, 0607210D8Z, 0605805Z, 0603724N, 0603462A, and 0901212N.</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b><br/>The decrease of \$0.856 million between FY 2023 and FY 2024 is due to a one-year funding effort in FY 2023 for Defense Advanced Battery Supply Chain.</p> |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 2.601          | 4.274          | 3.187          |

|   |
|---|
| <p><b>C. Other Program Funding Summary (\$ in Millions)</b><br/>N/A</p> <p><b>Remarks</b></p> |
| <p><b>D. Acquisition Strategy</b><br/>N/A</p>   |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense |                    |                |                |                     |   |                      |                |                |  | <b>Date:</b> March 2023 |                         |                   |
| <b>Appropriation/Budget Activity</b><br>0400 / 6   |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / Defense Technology Analysis |                      |                |                | <b>Project (Number/Name)</b><br>796 / Laboratory Resource Management |                         |                         |                   |
| <b>COST (\$ in Millions)</b>   | <b>Prior Years</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024 Base</b> | <b>FY 2024 OCO</b>  | <b>FY 2024 Total</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b>   | <b>FY 2028</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> |
| 796: Laboratory Resource Management  | -                  | 17.895         | 31.024         | 33.773              | -   | 33.773               | 33.760         | 34.280         | 35.007   | 35.770                  | Continuing              | Continuing        |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -   | -                    | -              | -              | -  | -                       |                         |                   |

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

The Laboratories & Personnel Office (L&PO) provides advocacy, strategic planning, and policy for the DoD's laboratories.

The DoD Laboratory Enterprise consists of more than 60 laboratories with approximately 67,000 employees (approximately 50,000 of whom are scientists and engineers).

L&PO develops proposals and investment strategies for laboratory infrastructure, technology transfer programs, and personnel development.

Section 211 of the National Defense Authorization Act (NDAA) for FY 2017 also transferred the management of the laboratory demonstration program at Science and Technology Reinvention Laboratories (STRs) from the Under Secretary of Defense for Personnel and Readiness (USD(P&R)) to the Under Secretary of Defense for Research and Engineering (USD(R&E)).

Section 218 of the NDAA for FY 2018 amended the authority by re-designating management to the USD(R&E).

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

|   | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|---|----------------|----------------|----------------|
| <b>Title:</b> Laboratories and Personnel Office   | 5.195          | 6.024          | 5.773          |
| <b>Description:</b> Provides advocacy, strategic planning, and policy for the DoD's laboratories.   |                |                |                |
| Develops proposals and investment strategies for laboratory infrastructure, technology transfer programs, and personnel development.  |                |                |                |
| <b>FY 2023 Plans:</b><br>Propose and evaluate best practices for planning, programming, and executing infrastructure construction projects at DoD Science and Technology Reinvention Laboratories (STRs) and support methodologies for assessing their readiness to achieve their missions. |                |                |                |
| <b>FY 2024 Plans:</b>   |                |                |                |

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| <b>Appropriation/Budget Activity</b><br>0400 / 6   | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>796 / <i>Laboratory Resource Management</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|--|----------------|----------------|----------------|
| Propose and evaluate best practices for planning, programming, and executing infrastructure construction projects at DoD Science and Technology Reinvention Laboratories (STRs) and support methodologies for assessing their readiness to achieve their missions.<br><br><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br>The decrease of \$0.251 between FY 2023 and FY 2024 supports the international engagement and other operational requirement within project P797.   |                |                |                |
| <b>Title:</b> Central Lab Investment Program (CLIP)<br><br><b>Description:</b> This effort seeks to address infrastructure gaps within the Department’s Laboratory community by establishing a dedicated funding stream for the DoD’s laboratories to address infrastructure issues, including facility planning, design, construction, sustainment repair, and/or modernization.<br><br>In addition, CLIP could be used to acquire advanced equipment and tools, enabling the laboratories to devote their RDT&E funding to critical research and development and offset their sustainment, repair, and modernization (SRM) funding gap.<br><br><b>FY 2023 Plans:</b><br>Select and award laboratory infrastructure and equipment projects received under a FY 2022 call for proposals.<br><br>Continue strategic plans and projects that meet the program's objectives to comprehensively address infrastructure issues.<br><br><b>FY 2024 Plans:</b><br>Select and award laboratory infrastructure and equipment projects received under a FY 2023 call for proposals.<br><br>Continue strategic plans and projects that meet the program's objectives to comprehensively address infrastructure issues.<br><br><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br>The DoD Laboratories have annually presented an unfunded military construction request to Congress; this fund will address the challenges that the Service laboratories face in their attempts to fund laboratory and equipment capability improvements through a comprehensive strategic plan.<br><br>The increase of \$3.000 million between FY 2023 and FY 2024 will support additional laboratory and infrastructure projects selected through a call for proposals. This fund will address challenges the Service laboratories face in their attempts to fund laboratory and equipment capability improvements through a comprehensive strategic plan. | 9.700          | 25.000         | 28.000         |
| <b>Accomplishments/Planned Programs Subtotals</b>  | 14.895         | 31.024         | 33.773         |

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| <b>Appropriation/Budget Activity</b><br>0400 / 6 | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>796 / <i>Laboratory Resource Management</i> |
|--|--|---|

|  | FY 2022 | FY 2023 |
|--|---------|---------|
| <b>Congressional Add:</b> Program Increase - Defense Technology Transfer   | 3.000   | -       |
| <b>FY 2022 Accomplishments:</b> Continue to build on FY 2021 progress through a Partnership Intermediary Agreement (PIA) with MilTech. |         |         |
| <b>Congressional Adds Subtotals</b>  | 3.000   | -       |

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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|  |                    |                |                |                     |   |                      |                |                |   |                         |                         |                   |
|--|--------------------|----------------|----------------|---------------------|---|----------------------|----------------|----------------|---|-------------------------|-------------------------|-------------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense |                    |                |                |                     |   |                      |                |                |   | <b>Date:</b> March 2023 |                         |                   |
| <b>Appropriation/Budget Activity</b><br>0400 / 6   |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / Defense Technology Analysis |                      |                |                | <b>Project (Number/Name)</b><br>797 / Defense Technology Analysis |                         |                         |                   |
| <b>COST (\$ in Millions)</b>   | <b>Prior Years</b> | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024 Base</b> | <b>FY 2024 OCO</b>  | <b>FY 2024 Total</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b>  | <b>FY 2028</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> |
| 797: Defense Technology Analysis   | -                  | 8.129          | 11.533         | 14.530              | -   | 14.530               | 14.755         | 15.278         | 15.697  | 16.541                  | Continuing              | Continuing        |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -   | -                    | -              | -              | -   | -                       |                         |                   |

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

The Defense Technology Analysis (DTA) project funds engineering, scientific, and analytical support for the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)) and specifically the Officer of Deputy Chief Technology Office for Critical Technologies DCTO(CT). The DCTO(CT) supports the USD(R&E) by prioritizing the National Defense Strategy modernization lines of effort in order to maintain competitive advantage against adversaries. The efforts funded in this project directly support and are critical to developing and continuously updating research and technology development roadmaps as required by Section 217 of the National Defense Authorization Act for FY 2021.

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

|  |                |                |                |
|--|----------------|----------------|----------------|
|  | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
| <b>Title:</b> Defense Technology Analysis  | 8.129          | 11.533         | 14.530         |
| <p><b>Description:</b> The DCTO(CT) is responsible for developing the Department's roadmap efforts in the fourteen modernization priority areas: Directed Energy, Hypersonics, Integrated Sensing and Cyber, Trusted AI &amp; Autonomy, Integrated Sensing &amp; Cyber, Microelectronics, Space Technology, Renewable Energy Generation &amp; Storage, Advanced Computing &amp; Software, Human-Machine Interfaces, Advanced Materials, Biotechnology, Quantum, and Future G. Identification of leading edge technology is critical in delivering capability to the warfighter and maintaining the competitive advantage. Funding for research, technical analysis and management, and other advanced research methods will allow for success in identifying game changing technology investments for the Department's modernization efforts.</p> <p><b>FY 2023 Plans:</b><br/>Adversary and competitor actions seek to disrupt and diminish the United States' advantages. Advancement of research and development in the eleven modernization priorities will enhance the United States' competitive advantage. The Department will continue to conduct analysis and research studies to support updates to and advancements of modernization roadmaps synchronized with related priorities. Focus areas include the emerging technology industrial base and the workforce, including universities. The studies and analyses conducted will focus not only on closing gaps and identifying overlap, but providing leap-ahead capabilities.</p> <p><b>FY 2024 Plans:</b><br/>Adversary and competitor actions seek to disrupt and diminish the United States' advantages. Advancement of research and development in the modernization priorities will enhance the United States' competitive advantage. The Department will continue to conduct analysis and research studies to support updates to and advancements of modernization roadmaps synchronized with</p> |                |                |                |

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| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2022</b> | <b>FY 2023</b> | <b>FY 2024</b> |
|--|----------------|----------------|----------------|
| related priorities. Focus areas include the emerging technology industrial base and the workforce, including universities. The studies and analyses conducted will focus not only on closing gaps and identifying overlap, but providing leap-ahead capabilities.<br><br><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b><br>The increase of \$2.997 million between FY 2023 and FY 2024 allows for increased emphasis and promoting of the Department's key priorities across the modernization efforts with increased investment in engineering, scientific, analytical, and managerial support to and studies for the OUSD(R&E). This increase is also to support international engagement and other operational requirements. |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>  | 8.129          | 11.533         | 14.530         |

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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| <b>Appropriation/Budget Activity</b><br>0400 / 6 | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / Defense Technology Analysis | <b>Project (Number/Name)</b><br>798 / Defense Support Teams |
|--|---|---|

| 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 |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| 798: Defense Support Teams | -           | 5.364   | 8.734   | 8.914        | -           | 8.914         | 9.132   | 9.328   | 9.523   | 9.729   | Continuing       | Continuing |
| Quantity of RDT&E Articles | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       |                  |            |

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

The Department's key expertise for reviewing and guiding research and engineering (R&E) programs resides in the (OUSD(R&E)). The OUSD(R&E) staff augment their responsibilities through connections to technology experts in various fields throughout academia, industry, and government.

This project provides engineering, scientific, and analytical support to the OUSD(R&E) in its responsibility for direction, overall quality, and content of the science and technology (S&T) program. This activity conducts assessments and analyses to ensure maximum utilization of research and development funds to accomplish the overall objectives of the S&T program. It ensures the technology being developed is affordable and minimizes system development risk. Funds are required for technical, analytical, management support, travel, and publications.

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

|   | FY 2022 | FY 2023 | FY 2024 |
|---|---------|---------|---------|
| <b>Title:</b> Defense Support Teams   | 5.364   | 8.734   | 8.914   |
| <b>Description:</b> This project provides engineering, scientific, and analytical support to the OUSD(R&E) in its responsibility for direction, overall quality, and content of the S&T program. Furthermore, it ensures that the technology being developed is affordable and minimizes system development risk.   |         |         |         |
| <b>FY 2023 Plans:</b><br>Continue to provide engineering, scientific, analytical, and managerial support to the OUSD(R&E) in developing strategies, plans, and policies to develop and exploit technology; conduct technology analyses, make recommendations, and develop guidance for S&T plans and programs; review acquisition programs and make recommendations to optimize effectiveness of the DoD investments; and oversight of S&T issues and initiatives and respond to Congressional special interests. |         |         |         |
| <b>FY 2024 Plans:</b><br>Continue to provide engineering, scientific, analytical, and managerial support to the OUSD(R&E) in developing strategies, plans, and policies to develop and exploit technology; conduct technology analyses, make recommendations, and develop guidance for S&T plans and programs; review acquisition programs and make recommendations to optimize effectiveness of the DoD investments; and oversight of S&T issues and initiatives and respond to Congressional special interests. |         |         |         |
| <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b><br>There is no significant change between FY 2023 and FY 2024.   |         |         |         |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 5.364   | 8.734   | 8.914   |

**UNCLASSIFIED**

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense |  | <b>Date:</b> March 2023  |
| <b>Appropriation/Budget Activity</b><br>0400 / 6   | <b>R-1 Program Element (Number/Name)</b><br>PE 0605798D8Z / <i>Defense Technology Analysis</i> | <b>Project (Number/Name)</b><br>798 / <i>Defense Support Teams</i> |

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A