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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force **Date:** March 2024

| Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 6: <i>RDT&E Management Support</i> | | | | | R-1 Program Element (Number/Name) PE 0702806F / <i>Acquisition and Management Support</i> | | | | | | | |
|--|--------------------|----------------|----------------|---------------------|---|----------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------|
| COST (\$ in Millions) | Prior Years | FY 2023 | FY 2024 | FY 2025 Base | FY 2025 OCO | FY 2025 Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | Cost To Complete | Total Cost |
| Total Program Element | - | 48.331 | 20.478 | 25.216 | 0.000 | 25.216 | 25.332 | 25.298 | 25.629 | 26.139 | 0.000 | 196.423 |
| 66ACSI: <i>ACQ and Command Support Integration</i> | - | 48.331 | 20.478 | 25.216 | 0.000 | 25.216 | 25.332 | 25.298 | 25.629 | 26.139 | 0.000 | 196.423 |

A. Mission Description and Budget Item Justification

The program funds efforts to meet the Defense Acquisition Workforce Improvement Act (DAWIA), as well as Congressional, SECDEF, and SECAF mandates to provide program management execution tools, systems integration and architectural analysis, information technology infrastructure development, and technical workforce management. Funding also provides the framework for Air Force business and acquisition transformation in developing capabilities-based architectures, re-engineering and enabling technologies, integrating robust systems engineering into early acquisition processes, acquisition process improvement analysis, and developing and managing a technical workforce with the expertise to uniformly implement OSD and Air Force engineering guidance and policies. These efforts provide stability in Air Force Acquisition by integrating major processes to reverse trends toward unpredictable program cost, schedule, and performance to facilitate quick response to urgent operational needs from across the entire spectrum of potential conflicts. These integrated capabilities will provide OSD and AF acquisition leadership insights needed to effectively manage a complex portfolio of acquisition programs through more timely and reliable access to authoritative acquisition data.

The Air Force is refocusing a number of science and technology concept explorations in artificial intelligence (AI) across command, control, communications, sensor, and intelligence areas within PE 0602788F, Dominant Information Sciences and Methods, and PE 0602204F, Aerospace Sensors, to improve and accelerate the delivery of artificial intelligence warfighting capabilities under the direction of both the Vice Chief of Staff of the Air Force and the Assistant Secretary of the Air Force (Acquisition, Technology & Logistics) and exercised through the Air Force Capability Development Council. The Air Force will now perform these science and technology concept explorations under this Program Element as the Air Force continues to respond to and reflect 1) the vision outlined for Artificial Intelligence in the 2018 National Defense Strategy, 2) expectations outlined by the February 2019 White House Executive Order on Artificial Intelligence and the United States Department of Defense (DoD) Artificial Intelligence Strategy, 3) initiatives by other Armed Services to create AI-centric organizations, 4) Senior Air Force leadership goals to develop Artificial Intelligence applications for the United States Air Force in the near term, and 5) senior Department of Defense leadership objectives to enrich and strengthen the broader Air Force and Department Artificial Intelligence ecosystem to impact national security.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY22 \$0M was expended for civilian pay expenses in this program element, and in FY23 \$0M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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| Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i> | R-1 Program Element (Number/Name) PE 0702806F / <i>Acquisition and Management Support</i> |
|---|---|

| B. Program Change Summary (\$ in Millions) | FY 2023 | FY 2024 | FY 2025 Base | FY 2025 OCO | FY 2025 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 49.152 | 20.478 | 21.603 | 0.000 | 21.603 |
| Current President's Budget | 48.331 | 20.478 | 25.216 | 0.000 | 25.216 |
| Total Adjustments | -0.821 | 0.000 | 3.613 | 0.000 | 3.613 |
| • 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 | 0.000 | 0.000 | | | |
| • Other Adjustments | -0.821 | 0.000 | 3.613 | 0.000 | 3.613 |

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

Project: 66ACSI: *ACQ and Command Support Integration*

Congressional Add: *Digital Transformation Office (DTO)*

Congressional Add: *Document Generation Platform*

Congressional Add: *Digital Ecosystem Development*

Congressional Add Subtotals for Project: 66ACSI

Congressional Add Totals for all Projects

| | FY 2023 | FY 2024 |
|---|----------------|----------------|
| | - | 0.000 |
| | 15.000 | 0.000 |
| | 10.600 | 0.000 |
| Congressional Add Subtotals for Project: 66ACSI | 25.600 | 0.000 |
| Congressional Add Totals for all Projects | 25.600 | 0.000 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force | | | | | | | | | | Date: March 2024 | | |
| Appropriation/Budget Activity 3600 / 6 | | | | | R-1 Program Element (Number/Name) PE 0702806F / <i>Acquisition and Management Support</i> | | | | Project (Number/Name) 66ACSI / <i>ACQ and Command Support Integration</i> | | | |
| COST (\$ in Millions) | Prior Years | FY 2023 | FY 2024 | FY 2025 Base | FY 2025 OCO | FY 2025 Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | Cost To Complete | Total Cost |
| 66ACSI: <i>ACQ and Command Support Integration</i> | - | 48.331 | 20.478 | 25.216 | 0.000 | 25.216 | 25.332 | 25.298 | 25.629 | 26.139 | 0.000 | 196.423 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The program funds efforts to meet the Defense Acquisition Workforce Improvement Act (DAWIA), as well as Congressional, SECDEF, and SECAF mandates to provide program management execution tools, systems integration and architectural analysis, information technology infrastructure development, and technical workforce management. Funding also provides the framework for Air Force business and acquisition transformation in developing capabilities-based architectures, re-engineering and enabling technologies, integrating robust systems engineering into early acquisition processes, acquisition process improvement analysis, and developing and managing a technical workforce with the expertise to uniformly implement OSD and Air Force engineering guidance and policies. These efforts provide stability in Air Force Acquisition by integrating major processes to reverse trends toward unpredictable program cost, schedule, and performance to facilitate quick response to urgent operational needs from across the entire spectrum of potential conflicts. These integrated capabilities will provide OSD and AF acquisition leadership insights needed to effectively manage a complex portfolio of acquisition programs through more timely and reliable access to authoritative acquisition data.

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

| | FY 2023 | FY 2024 | FY 2025 |
|---|----------------|----------------|----------------|
| <p>Title: Acquisition Mandates</p> <p>Description: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.</p> <p>FY 2024 Plans: Continue program management and resources management oversight.</p> <p>FY 2025 Plans: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Supports additional research for studies for Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.</p> | 1.246 | 1.864 | 2.677 |
| <p>Title: Acquisition Management in support of PEO Business Enterprise Systems</p> <p>Description: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> | - | 0.000 | 3.567 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2023 | FY 2024 | FY 2025 |
| <p>FY 2024 Plans: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> <p>FY 2025 Plans: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: This program was moved from PE 0605829F resulting in the increase to PE 0702806F.</p> | | | | |
| <p>Title: Technical and Analytical Support</p> <p>Description: Supports Acquisition Domain-level effort to integrate existing acquisition business systems/services, data, and processes supporting key Acquisition capabilities at the enterprise level (via the Acquisition Domain Capabilities Integration (ADCI) activities). This support entails analysis required to architect an integrated environment on multiple hosting platforms to support the portfolio of acquisition business systems by solving problems across/outside of individual system boundaries with the goal of reducing redundancy, improving systems operations, and improving management of data resulting in dramatically improved transparency, efficiency, and effective management of the Acquisition process. This support also helps implement standards for data management and service-oriented design methodology to facilitate efficiency and interoperability as well as providing some business intelligence services. The creation and support of domain-level requirements and governance processes as well as the creation of domain-wide data standards are additional support items provided. In addition, includes support for Artificial Intelligence/Machine Learning (AI/ML) pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise.</p> <p>FY 2024 Plans: Continue supporting the automation of key Life Cycle Management Center (LCMC) and Space & Missile Systems Center (SMC) acquisition processes and onboarding of new capabilities across the Acquisition Domain. Supports refinement of CIO portfolio Artificial Intelligence (AI)/Machine Learning (ML) vision and incorporating functionalities built as part of AI/ML pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise.</p> <p>FY 2025 Plans: Continue supporting the automation of key Life Cycle Management Center (LCMC) and Space & Missile Systems Center (SMC) acquisition processes and onboarding of new capabilities across the Acquisition Domain. Supports refinement of CIO</p> | | 1.732 | 2.270 | 2.261 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2023 | FY 2024 | FY 2025 |
| <p>portfolio Artificial Intelligence (AI)/Machine Learning (ML) vision and incorporating functionalities built as part of AI/ML pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: No significant delta.</p> | | | | |
| <p>Title: Associated Tool Development</p> <p>Description: Upgrade the enterprise tools that assist PMs and acquisition professionals with the day-to-day program management tasks throughout an Acquisition program's lifecycle.</p> <p>FY 2024 Plans: Upgrade the enterprise tools that assist PMs and acquisition professionals with the day-to-day program management tasks throughout an Acquisition program's lifecycle.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p> | | 0.000 | 0.000 | - |
| <p>Title: Project Management Resource Tools (PMRT)</p> <p>Description: Upgrade enterprise PMRT tools that provide program/project resource management support to the Acquisition community.</p> <p>FY 2024 Plans: Continue enhancement of PMRT to allow increased visibility to acquisition programmatic and financial information for all AF Acquisition investment programs. Continued expansion of critical PMRT interfaces via Acquisition Data Service Broker (ADSB) and enhance PMRT native apps. Increase PMRT refactoring and migration to the Cloud for the incorporation of Artificial Intelligence (AI), Machine Learning (ML), and Predictive Analysis.</p> <p>FY 2025 Plans: Continue enhancement of PMRT to allow increased visibility to acquisition programmatic and financial information for all AF Acquisition investment programs. Continued expansion of critical PMRT interfaces via Acquisition Data Service Broker (ADSB) and enhance PMRT native apps. Increase PMRT refactoring and migration to incorporate Artificial Intelligence (AI), Machine Learning (ML), and Predictive Analysis.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p> | | 5.713 | 3.692 | 1.460 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2023 | FY 2024 | FY 2025 |
| The decrease for PMRT is a result of the IT application moving into sustainment. | | | | |
| <p>Title: Capabilities Integration Environment (CIE)</p> <p>Description: CIE is an Infrastructure as a Service (IaaS) provider that enables application proofs-of-concept, development, integration, and test activities in accredited on-premises government cloud and third-party commercial cloud environments.</p> <p>FY 2024 Plans: Continue support for secure, scalable environment for R&D, DT/OT, integration, exercises, experimentation, acquisition development and direct Warfighter support.</p> <p>FY 2025 Plans: There is no longer a requirement for this program due to it being terminated.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: This program is being terminated as part of a continued effort to support the Air Force Cloud Computing Strategy and desire to continue on a faster and more affordable trajectory.</p> | | 1.147 | 1.349 | 0.000 |
| <p>Title: USAF Artificial Intelligence Accelerator at MIT</p> <p>Description: Establish the first phase of a state-of-the-art, end-to-end, sustainable ecosystem of AI technology from basic research to transformed data sets ready for use in developing artificial intelligence algorithms and operational prototypes. This effort creates an environment where integrated teams of MIT researchers and USAF Airmen develop Challenge Problems in AI and invites the academic and commercial communities to propose solutions to those Challenge Problems.</p> <p>FY 2024 Plans: Continue to perform each of the following activities: Guardian Autonomy for Safe Decision Making; Fast AI; Transferring Multi-Robot Learning through Virtual and Augmented Reality for Rapid Disaster Response; Conversational Interaction for Unstructured Information Access and Language Learning; Multimodal Vision for Synthetic Aperture Radar; AI-Assisted Optimization of Training Schedules; The Earth Intelligence Engine; Robust Neural Differential Models for Navigation and Beyond; Objective Performance Prediction & Optimization using Physiological and Cognitive Metrics; AI-Enhanced Spectral Awareness and Interference Rejection; Application of Evolutionary Algorithms for DoD Complex Enterprises; AI Education Research: Know, Apply and Lead; and Automation in Space Domain Awareness.</p> <p>FY 2025 Plans: Continue to perform each of the following activities: Guardian Autonomy for Safe Decision Making; Fast AI; Transferring Multi-Robot Learning through Virtual and Augmented Reality for Rapid Disaster Response; Conversational Interaction for Unstructured Information Access and Language Learning; Multimodal Vision for Synthetic Aperture Radar; AI-Assisted Optimization of Training</p> | | 12.693 | 11.103 | 15.051 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2023 | FY 2024 | FY 2025 |
| Schedules; The Earth Intelligence Engine; Robust Neural Differential Models for Navigation and Beyond; Objective Performance Prediction & Optimization using Physiological and Cognitive Metrics; AI-Enhanced Spectral Awareness and Interference Rejection; Application of Evolutionary Algorithms for DoD Complex Enterprises; AI Education Research: Know, Apply and Lead; and Automation in Space Domain Awareness. FY 2024 to FY 2025 Increase/Decrease Statement: The program was intended to have \$15M across the FYDP. The previous year was decremented due to SBIR withholds and as a result of under execution two years earlier. The program is funded at the level it was intended to be funded at. | | | | |
| Title: Development and Retention Description: Supports activities to develop, manage and retain the acquisition workforce. FY 2024 Plans: Continue to perform activities to develop, manage, and retain the acquisition workforce by providing training on enhanced business and engineering processes. FY 2025 Plans: Continue to perform activities to develop, manage, and retain the acquisition workforce by providing training on enhanced business and engineering processes. | | 0.200 | 0.200 | 0.200 |
| Accomplishments/Planned Programs Subtotals | | 22.731 | 20.478 | 25.216 |
| | | FY 2023 | FY 2024 | |
| Congressional Add: Digital Transformation Office (DTO) FY 2024 Plans: This program will no longer be funded in this PE. | | - | 0.000 | |
| Congressional Add: Document Generation Platform FY 2023 Accomplishments: Doc generation Platform - Creating a file wrapper that enable secure documents at the document level that are geo fenced, open count controlled, time stamp corruptible, etc. (\$15.M) FY 2024 Plans: There are no longer requirements for this effort. | | 15.000 | 0.000 | |
| Congressional Add: Digital Ecosystem Development | | 10.600 | 0.000 | |

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| | | FY 2023 | FY 2024 |
| FY 2023 Accomplishments: Digital First Ecosystem - Building out connectivity between digital doers, digital needs, and digital solutions both inside and outside of the government. Leveraging NetworkOS, facilitated workshops, and culture to enable digital. (\$10.6M) | | | |
| FY 2024 Plans: There is no longer a requirement for this effort. | | | |
| Congressional Adds Subtotals | | 25.600 | 0.000 |

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

N/A

Remarks

D. Acquisition Strategy

N/A