Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Office of the Secretary Of Defense	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 3: *Advanced Technology Development (ATD)*	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&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	0.000	0.000	0.000	110.628	0.000	110.628	112.461	113.829	116.043	117.589	Continuing	Continuing
123: *Mission Engineering and Integration*	0.000	0.000	0.000	17.209	0.000	17.209	17.929	18.651	19.414	20.207	Continuing	Continuing
124: *Advanced Analysis and Capability Development*	0.000	0.000	0.000	93.419	0.000	93.419	94.532	95.178	96.629	97.382	Continuing	Continuing

Note

New Start (Y/N): No

In FY 2025, funding and activities are realigned from the Systems Engineering Program Element 0605142D8Z, Project Code 842.

A. Mission Description and Budget Item Justification

Mission Engineering and Integration executes complex analyses and studies that utilize advanced analytical methods and Modeling and Simulation tools to analyze, design, and integrate current and emerging operational needs and capabilities to achieve desired mission outcomes. These threat-informed studies develop digital models and Joint Mission Engineering Threads (METs) “Kill Webs” that are analyzed to evaluate performance of system-of-systems in executing end-to-end missions within operationally relevant scenarios. The quantitative, data-driven results identify solutions to close capability gaps, refine mission architectures, enhance development of future force capabilities and warfighting concepts, and inform leadership decisions to accelerate transition of innovative and game-changing capabilities to the warfighters.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	110.628	-	110.628
Total Adjustments	0.000	0.000	110.628	-	110.628
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Transfer	-	-	110.628	-	110.628

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Office of the Secretary Of Defense	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 3: *Advanced Technology Development (ATD)*	**R-1 Program Element (Number/Name)** PE 0603142D8Z *I Mission Engineering and Integration (ME&I)*

Change Summary Explanation

FY 2025 funding increase in the amount of $110.628 million is comprised of the following:

$12.780 million realigned from PE 0605142D8Z to increase the focus and delivery of robust modeling, simulation, and analysis products that quantitatively identify and assess candidate technologies and capabilities
$4.567 million is realigned from PE 0605294D8Z (Trusted & Assured Microelectronics) to supplement the above activities.
$94.900 million is realigned from PE 0604294D8Z to continue and extend the work done under the Assault Breaker II program
-$1.122 million reduction in FY 2025 was applied to meet DoD overall funding reductions, which were spread to mitigate impact.
$5.000 million Classified increase
-$5.720 Internal realignment transfer funds to PE 0603379D8Z
$0.223 million increase for Economic Assumptions

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense			Date: March 2024
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	Project (Number/Name) 123 / *Mission Engineering and Integration*	

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
123: *Mission Engineering and Integration*	0.000	0.000	0.000	17.209	0.000	17.209	17.929	18.651	19.414	20.207	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

New Start (Y/N): No

In FY 2025, funding and activities are realigned from the Systems Engineering Program Element 0605142D8Z, Project Code 842, Mission Engineering, to increase the focus and delivery of robust modeling, simulation, and analysis products that quantitively identify and assess candidate technologies and capabilities that eliminate or disrupt adversary kill chains and deliver superior Blue Force kill chains. The analyses provide data-driven results and outputs that are part of the body of evidence to accelerate the transition of capabilities to our warfighters. Mission Engineering explores trade-space opportunities for capability development, informs selection of prototypes, and through well-developed threads and metrics supports the design of joint experimentation. FY 2025 funding is a continuation of FY 2024 efforts. Additional funding is realigned from the Trusted & Assured Microelectronics Program Element 0605294D8Z, to supplement those activities.

A. Mission Description and Budget Item Justification

Mission Engineering and Integration activities include the following functions:

• Carry out responsibilities described in the National Defense Authorization Act for FY 2017, Section 855, (Mission Integration Management) supporting the National Defense Strategy by identifying critical warfighting capabilities to achieve a more lethal Joint Force and aid in the implementation of new innovative joint warfighting concepts.

• Apply analytical rigor to operational and technical analysis of current and future missions; enabling DoD leaders to make informed investment decisions on required technologies and capabilities that can be transitioned and fielded to warfighters to enhance kill chain effectiveness in response to adversarial threats.

• Execute a variety of Mission Engineering studies in support of the National Defense Strategy, aligned with Defense Planning Scenarios, that evaluate mission impacts of integrating new technologies and capabilities into critical warfighter missions. The quantitative results directly support and enhance decisions on requirements, resourcing, prototype selection, design of joint experimentation, and transition of military capability to the field.

• In coordination with Joint Staff, Combatant Commanders, and Office of the Secretary of Defense agencies, develop digital and reusable Joint Mission Engineering Threads (METs)/ “Kill Webs” that are used to assess and evaluate system-of-systems dependencies and risks in executing end-to-end missions within an operational scenario.

• Through robust analytics, quantify capability gaps across missions, inform the identification of new concepts based on a better understanding of their mission impacts (effectiveness), inform the design of joint experimentation through development of kill webs and vital metrics for data collection, and execute sensitivity analysis around selected concepts to inform resourcing decisions for transition activities.

• Continue to maintain the Mission Engineering Guide and lead the Mission Engineering Practitioners Forum to share lessons learned and pain points and advance the state of practice of Mission Engineering.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 123 / *Mission Engineering and Integration*

• Increase collaboration with industry, utilizing technical information exchange agreements to share sensitive data and models. These efforts will identify material solutions that address operational gaps and mission requirements; building public-private partnerships that inform technology, modernization, research, and applied engineering investments.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Mission Engineering and Integration	-	0.000	17.209

Description: Conduct Mission Engineering studies to analyze recommended technologies that eliminate or disrupt adversary kill chains or deliver superior Blue Force kill chains. Leverage modeling and simulation to identify and evaluate current and emerging systems, systems of systems, technologies, capabilities, and warfighting concepts.

Prior Accomplishments:
- Decomposed missions to develop digital representations of Mission Engineering Threads (Critical Kill Webs) focused on missions within the USINDOPACOM Area of Responsibility (AOR) to inform data collection and design of joint experimentation.
- Completed a variety of Mission Engineering studies focused on hypersonics, directed energy, electromagnetic spectrum operations, and nuclear command, control, and communications that have informed leadership investment decisions throughout capability portfolio management, program budget reviews, and joint concept development.
- Executed complex and robust Mission Engineering analyses that identified warfighter capability gaps and assessed mission impacts of innovative technology and capabilities in countering our adversarial threats. Delivered results that supported DoD leadership funding and transition decisions.
- Established Information Exchange Agreements (IEAs) and hosted a classified Mission Engineering Forum with industry partners that promoted and enabled sharing of information to address warfighter “mission” hard problems and inform R&D decisions.
- Advanced the state of practice of Mission Engineering through the Mission Engineering Practitioners Forum comprised of key DoD organizations by promoting awareness and sharing best practices for implementation of the ME methodology, development of mission architectures, training and competency, and executing of ME analytics. Continue to mature and release updated version of the Mission Engineering Guide which serves a vital document for practitioners across the DoD.
- Commenced focused Mission Engineering activities to identify critical mission Assured/Alternate Position, Navigation and Timing (APNT) capabilities that can be accelerated to our warfighters to support emerging and future missions. Initiated modeling and simulation on Base Defense mission to identify enhanced capabilities to improve architecture.

FY 2024 Plans:
- Execute a variety of mission engineering studies in support of the National Defense Strategy to inform requirements, prototypes, design of experiments, and transition of concepts.
- Develop and analyze Joint Mission Engineering Threads (METs) within priority operational scenarios to identify and quantify capability gaps and explore the mission impacts associated to changes to systems and/or mission activities.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 123 / *Mission Engineering and Integration*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
- Leverage the tools and infrastructure developed by ACD to support Mission Engineering activities, such as collection and warehousing of data, and M&S computational environment. - Increase collaboration with the analytical community to increase transparency and robustness in the products delivered to support leadership decisions; and advance the state of practice of Mission Engineering. - Exchange data and models with industry partners to aid in the identification of solutions that address operational gaps and mission requirements; and build public-private partnerships. ***FY 2025 Plans:*** - Increase Mission Engineering analyses and studies that explore a variety of scenarios across different geographical regions and domains to identify technologies and capabilities that close capability gaps, and inform requirements, prototypes, design of experiments, and transition of concepts. Focus areas include Joint Fires, Joint Command and Control, Nuclear Command, Control and Communications, Contested Logistics, and Base Defense. - Continue to develop digital and reusable Joint Mission Engineering Threads (METs)/ “Kill Webs” to analyze system-of-systems within an operational scenario and produce results that inform capability and technology design and integration considerations. - Continue to engage with the Analytic Community to advance the state of practice of Mission Engineering; and foster relationships across the community to share data and results that inform leadership decisions on identification, resourcing, and transitioning of technologies and capabilities that close capability gaps. - Continue to increase collaboration with industry partners to share information on relevant scenarios and missions for analytical purposes that lead to the identification and evaluation of R&D initiatives that address operational gaps. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** In FY 2025, funding and activities are realigned from the Systems Engineering Program Element 0605142D8Z, Project Code 842, Mission Engineering, to increase the focus and delivery of robust modeling, simulation, and analysis products that quantitively identify and assess candidate technologies and capabilities that eliminate or disrupt adversary kill chains and deliver superior Blue Force kill chains. The analyses provide data-driven results and outputs that are part of the body of evidence to accelerate the transition of capabilities to our warfighters. Mission Engineering explores trade-space opportunities for capability development, informs selection of prototypes, and through well-developed threads and metrics supports the design of joint experimentation. FY 2025 funding is a continuation of FY 2024 efforts. Additional funding is realigned from the Trusted & Assured Microelectronics Program Element 0605294D8Z, to supplement those activities.			
Accomplishments/Planned Programs Subtotals	-	0.000	17.209

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 123 / *Mission Engineering and Integration*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

N/A

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense			Date: March 2024
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	Project (Number/Name) 124 / *Advanced Analysis and Capability Development*	

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
124: *Advanced Analysis and Capability Development*	0.000	0.000	0.000	93.419	0.000	93.419	94.532	95.178	96.629	97.382	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

New Start (Y/N): No

In FY 2025, a new project is established for Advanced Analysis and Capability Development (A2CD) that will continue and extend the work done under the Assault Breaker II program to support efforts to integrate data, tools, and techniques to accelerate delivery of capabilities to the warfighter, which is Building on our Enduring Advantages, a key goal of the NDS. Funding is realigned from the Trusted & Assured Microelectronics Program Element 0604294D8Z, to fund new activities that realign key elements of the Assault Breaker II program to create a continuous innovation environment that will accelerate the fielding of needed Joint combat capability to the warfighter.

A. Mission Description and Budget Item Justification

Advanced Analysis and Capability Development (A2CD): Creates a continuous innovation environment and continues and extends the work started under the Assault Breaker II program that accelerates the development, incubation, and evaluation processes that transition joint capabilities. Work focuses on three areas.

1. Advanced Concept Development: Studies and analysis effort that will architect near, mid, and far term all security level, all domain, and all Service warfighting architectures to solve relevant military problems. Additional classified information available upon request.
2. Advanced Modeling and Simulation (M&S) Technology and Tool Development: Development effort that will create advanced modeling and simulation (M&S) tools and analytic processes that enable the Advanced Concept Development studies and analysis effort and other analytic efforts across Department of Defense (DoD), Federally Funded Research and Development Centers (FFRDCs), University-Affiliated Research Centers (UARCs), Industry experts, and partner nations.
3. Modeling and Simulation Big Play: Technology and process implementation effort that will enable experimentation with new M&S tools and processes to enable new analytic processes and to inform the development of new tools to support the Advanced Concept Development work, as well as the sharing and building developmental models and analytic results with Industry, FFRDC/UARCs, and partner nations.

These activities will accomplish the following:

• Extend work done under the Assault Breaker II program to use all security level, all domain, and all Service advanced analytic processes to inform rapid prototyping activities and capability investment decisions. Additional classified information available upon request.
• Sustain and operate the necessary infrastructure, hardware, and software processes to ensure the continued development of advanced M&S tools to support evolving defense challenges.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 124 / *Advanced Analysis and Capability Development*

• Develop and sustain a knowledge repository that enables all security level cooperative analysis and the sharing of data at all security levels to dramatically improve analysis efficiency throughout the Department.
• Develop new analytic processes through experimentation that leverage new M&S tools, provide user support for those new tools and processes, and integrate user feedback to inform the continued development of advanced M&S tools.
• Provide an enduring analytic support capability that can be used by the DoD, FFRDC/UARCs, industry, and partner nations at all classification levels, from UNCLASSIFIED to Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Advanced Concept Development	-	-	23.000

Description: Realigns key elements of the Assault Breaker II program to enable the continued all security level, all domain advanced Joint concept development effort centered on kill web analysis to:
• Produce strategically informed technical analysis that supports the development of future warfighting concepts and identify opportunities for investment in key enabling technologies.
• Inform rapid prototyping and experimentation efforts and the production of capability development recommendations oriented toward increasing warfighter effectiveness.

FY 2025 Plans:
Advanced Concept Development activities support the following.

Analytic Team: Team of government, Federally Funded Research and Development Centers (FFRDCs) / University-Affiliated Research Centers (UARCs), industry, and Systems Engineering and Technical Assistance (SETA) personnel will perform analysis that informs near, mid, and far term Joint warfighting concepts that inform capability development recommendations which guide investment strategies. The team is focused on a distinct, relevant military problem and it reports directly to the Joint Requirements Oversight Council (JROC). Additional classified information available upon request.

Eloquent Omen: A strategically informed campaign of analysis that explores the combined use of Joint non-kinetic effects in the period prior to the initiation of armed conflict that is intended to preserve decision space and allow for de-escalation. It will conduct several studies and wargames on an annual basis to inform capability development, process changes, and force structure changes. Additional classified information available upon request.

Track House: Data-experimentation team that uses advanced data science methods to develop and evaluate unique data feeds through experimentation at all classification levels to support the creation of a militarily relevant persistent targeting common operational picture to meet Combatant Command needs. Additional classified information available upon request.

FY 2024 to FY 2025 Increase/Decrease Statement:

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 124 / *Advanced Analysis and Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
In FY 2025, Advanced Analysis and Capability Development (A2CD) will continue and extend the work done under the Assault Breaker II program to support efforts to integrate data, tools, and techniques to accelerate delivery of capabilities to the warfighter, which is Building on our Enduring Advantages, a key goal of the NDS. Funding is realigned from the Trusted & Assured Microelectronics Program Element 0604294D8Z, to fund new activities that realign key elements of the Assault Breaker II program to create a continuous innovation environment that will accelerate the fielding of needed Joint combat capability to the warfighter.			
Title: Advanced Modeling and Simulation (M&S) Technology and Tool Development	-	-	54.549
Description: Enhances the Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP) Modeling and Simulation (M&S) software and hardware development environment established by the Secure Advanced Framework for Simulation and Modeling (SAFE-SiM) program. Focus areas includes the Continuous Integration / Continuous Delivery (CI/CD) software pipeline infrastructure and Multi-Level Security (MLS). This work matures the Secure Advanced Framework for Simulation and Modeling (SAFE-SiM) modeling and simulation (M&S) program and suite of analytic tools to continually deliver new capabilities, based on user feedback, and transition new modeling and simulation (M&S) tools for defense analysis. ***FY 2025 Plans:*** Advanced Modeling and Simulation (M&S) Technology and Tool Development supports the following. Modeling and Simulation Integration Environment (MSIE): This hardware, software, and personnel infrastructure enables the TS/SCI/SAP Development Security Operations (DevSecOps) environment for creating advanced M&S tools. It includes Sensitive Compartmented Information Facililties (SCIF) / Special Access Program Facilities (SAPF), a TS/SCI/SAP compute hardware environment, and a team of software developers as well as necessary security personnel. Secure Advanced Framework for Simulation and Modeling (SAFE-SiM): This provides Continuous Integration / Continuous Delivery (CI/CD) support for fielding the SAFE-SiM program, which is the core of the program's M&S tool set, and accomplishes three objectives: 1) Meets the need for an integrated architecture that enables all security level, faster-than-real time, theater-wide, multi-domain, seafloor to space mission level analysis to enable the exploration of adaptive Joint warfighting architectures; 2) Supports the rapid conduct of concept development, acquisition trade space exploration, and force structure evaluation in a TS/SCI/SAP environment; 3) Delivers advanced analytic and visualization tools that will support senior-level decision makers, technology developers, and acquisition professionals. The SAFE-SiM tools will transition to the defense analytic community. Multi-Level Security (MLS): This provides hardware and software solutions that enable the appropriate data protection and access from the UNCLASSIFIED to Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP)			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 0603142D8Z / *Mission Engineering and Integration (ME&I)*	**Project (Number/Name)** 124 / *Advanced Analysis and Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
levels. This capability is both necessary and integral for SAFE-SiM as well as the Modeling and Simulation Big Play for Defense Research and Engineering (R&E). ***FY 2024 to FY 2025 Increase/Decrease Statement:*** In FY 2025, Advanced Analysis and Capability Development (A2CD) will continue and extend the work done under the Assault Breaker II program to support efforts to integrate data, tools, and techniques to accelerate delivery of capabilities to the warfighter, which is Building on our Enduring Advantages, a key goal of the NDS. Funding is realigned from the Trusted & Assured Microelectronics Program Element 0604294D8Z, to fund new activities that align key elements of the Assault Breaker II program to create a continuous innovation environment that will accelerate the fielding of needed Joint combat capability to the warfighter.			
Title: Modeling and Simulation Big Play ***Description:*** Delivers and sustains a Multi-Level Security (MLS) enabled, modeling and simulation (M&S) ecosystem to support both local and distributed collaborative analysis via networks that can be accessed by U.S. government, Department of Defense, Academic, and Industry stakeholders; results of this work include: • Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP), MLS-enabled compute infrastructure that can run multiple M&S tools • Model repository/knowledge management capability that realizes the USD (R&E) vision to enable the sharing of models with Industry and allies/partner nations and to support analysis across the defense enterprise as well as provide secure, curated access to completed analysis • Integrated model development environment that enables the creation of models at all levels of classification from UNCLASSIFIED to Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP) levels to support the Advanced Concept Development effort as well as industry, Federally Funded Research and Development Centers (FFRDCs), University-Affiliated Research Centers (UARCs), and partner nations and allies. • Team dedicated to the development of new analytic processes and methods based on the creation of new analytical tools that can transition to users across the defense analytic enterprise. ***FY 2025 Plans:*** Modeling and Simulation Big Play project activities support the following. Model Repository: This provides an MLS-enabled Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP) hardware and software environment that maintains an accessible repository of information and data to support the Advanced Concept Development effort's advanced kill web analysis and simulation, with four primary results: 1) Foundational data regarding characteristics, behaviors, and logic flow to support complex warfighting analysis along with executable models for specific modeling and simulation (M&S) environments; 2) Classified models and data derived and produced by government and academic entities, classified and proprietary models and data produced by industry, and models and data derived and produced	-	-	15.870

Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense		Date: March 2024
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
by partner nations for the purpose of capability development; 3) Integrated model development environment where users can create new models with the potential to expand to support model creation in other M&S environments; 4) Team dedicated to the curation of the data within the model repository to ensure that it remains appropriate and relevant for defense analysis as threat and friendly military capabilities evolve in the face of changing strategic conditions. Technical Processes: This supports a team of subject matter experts to test, evaluate, and prototype new analytical tools and experiment with new M&S capabilities as well as models and algorithms to assess how they can improve the quality of the analysis done in the environment of tools and processes for the analytic community and transition partners, such as allied nations and multi-lateral organizations. Classified network: This identifies Multi-Level Security (MLS) enabled, Top Secret, Sensitive Compartmented Information, Special Access Program (TS/SCI/SAP) network requirements for government, industry, academia, and multinational partners to access and use the advanced modeling and simulation (M&S) tools and analytic processes developed Advanced M&S Tool and Technology effort as well as the Model Repository to generate both new and pre-existing data, models, and behavior-based scenarios to support analytic efforts. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** In FY 2025, Advanced Analysis and Capability Development (A2CD) will continue and extend the work done under the Assault Breaker II program to support efforts to integrate data, tools, and techniques to accelerate delivery of capabilities to the warfighter, which is Building on our Enduring Advantages, a key goal of the NDS. Funding is realigned from the Trusted & Assured Microelectronics Program Element 0604294D8Z, to fund new activities that align key elements of the Assault Breaker II program to create a continuous innovation environment that will accelerate the fielding of needed Joint combat capability to the warfighter.			
Accomplishments/Planned Programs Subtotals	-	-	93.419

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A