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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Office of Secretary Of Defense **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>	R-1 ITEM NOMENCLATURE PE 0603832D8Z: <i>DoD Modeling and Simulation Management Office</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	33.114	29.977	47.433	-	47.433	48.158	49.086	50.171	50.882	Continuing	Continuing
P476: <i>DoD Modeling and Simulation Management Office</i>	33.114	29.977	36.433	-	36.433	37.158	38.086	39.171	39.882	Continuing	Continuing
P477: <i>Effects Chain Analyses Cell</i>	-	-	11.000	-	11.000	11.000	11.000	11.000	11.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Modeling and Simulation (M&S) supports the full range and scope of DoD operations. M&S is a key enabler of capabilities supporting real-world applications that underpin innovative solutions meeting national security challenges, act as force multipliers, save resources, and save lives. The DoD Modeling and Simulation Management Office (MSMO), on behalf of the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)), enhances the DoD M&S Enterprise by (1) promoting cooperation and collaboration in finding solutions for removing barriers to interoperability and reuse; and (2) providing a common technical framework of architectures and data standards, and common M&S services, that improve interoperability, reuse, and cost effectiveness. The USD(AT&L), under the authority of DoD Directive 5134.1, provides the oversight for this PE with advice and assistance from a flag-officer level M&S Steering Committee. The PE is executed by MSMO in accordance with DoD Directive 5000.59, "Management of Modeling and Simulation;" DoD 4120.24-M, "DoD Standardization Program (DSP) Policies and Procedures;" and DoD Instruction 3200.14, "Principles and Operational Parameters of the DoD Scientific and Technical Information Program."

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	38.140	37.029	47.430	-	47.430
Current President's Budget	33.114	29.977	47.433	-	47.433
Total Adjustments	-5.026	-7.052	0.003	-	0.003
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.829	-0.845			
• Other Adjustments	1.091	-	0.003	-	0.003
• Economic Assumptions	-0.168	-	-	-	-
• Congressional Adjustments	-5.000	-6.000	-	-	-
• FFRDC	-0.120	-0.207	-	-	-

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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
P476: <i>DoD Modeling and Simulation Management Office</i>	33.114	29.977	36.433	-	36.433	37.158	38.086	39.171	39.882	Continuing	Continuing

A. Mission Description and Budget Item Justification

Modeling and Simulation (M&S) supports the full range and scope of Department of Defense (DoD) operations. M&S is a key enabler of capabilities supporting real-world applications that underpin innovative solutions meeting national security challenges, act as force multipliers, save resources, and save lives. The DoD Modeling and Simulation Management Office (MSMO), designated by the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)) to be the focal point for DoD M&S, enhances the DoD M&S Enterprise by (1) promoting cooperation and collaboration in finding solutions for removing barriers to interoperability and reuse; and (2) providing a common technical framework of architectures and data standards, and common M&S services, that improve interoperability, reuse, and cost effectiveness. The USD(AT&L), under the authority of DoD Directive 5134.1, provides the oversight for this Program Element (PE) with advice and assistance from a flag-officer level M&S Steering Committee. The PE is executed by MSMO in accordance with DoD Directive 5000.59, "Management of Modeling and Simulation;" DoD 4120.24-M, "DoD Standardization Program (DSP) Policies and Procedures;" and DoD Instruction 3200.14, "Principles and Operational Parameters of the DoD Scientific and Technical Information Program."

MSMO is responsible for:

- Executing DoD's M&S Strategic vision.
- Bringing together M&S stakeholders to advise and assist on finding solutions for removing the barriers to interoperability, reuse, commonality, efficiency, and effectiveness.
- Developing and coordinating, with advice and assistance from the M&S Steering Committee, policy/guidance, standards, best practices, and strategic planning processes that promote interoperability and reuse.
- Managing funds to support DoD M&S Enterprise activities.

MSMO also serves as DoD's:

- Lead Standardization Activity (LSA) for managing modeling and simulation standards and methodologies.
- Focal point for coordinating DoD M&S outreach activities and interactions within DoD, with other U.S. Government Departments and Agencies, with coalition partners including NATO and Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), International Allies, industry and academia.

MSMO supports the goals of DoD's M&S Strategic Vision, which are:

Goal 1. Standards, architectures, networks and environments that:

- Promote the sharing of tools, data, and information across the Enterprise
- Foster common formats
- Are readily accessible and can be reliably applied by users

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- Goal 2. Policies at the enterprise level that:
- Promote interoperability and the use of common M&S capabilities
 - Minimize duplication and encourage reuse of M&S capabilities
 - Encourage research and development to respond to emerging challenges
 - Limit the use of models and data encumbered by proprietary restrictions
 - Leverage M&S capabilities across DoD, other government agencies, International partners, industry, and academia
- Goal 3. Management processes for models, simulations, and data that:
- Enable M&S users and developers to easily discover and share M&S capabilities and provide incentives for their use
 - Facilitate the cost-effective and efficient development and use of M&S systems and capabilities
 - Include practical validation, verification, and accreditation guidelines that vary by application area
- Goal 4. Tools in the form of models, simulations, and authoritative data that:
- Support the full range of DoD interests
 - Provide timely and credible results
 - Make capabilities, limitations, and assumptions easily visible
 - Are useable across communities
- Goal 5. People that:
- Are well-trained
 - Employ existing models, simulation, and data to support departmental objectives
 - Advance M&S to support emerging departmental challenges

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012		FY 2013
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Title: DoD Modeling and Simulation Management Office	33.114	29.977		36.433
FY 2011 Accomplishments:				
In FY 2011, this activity enhanced M&S support to DoD missions and the warfighter, improved training and experimentation, augmented test and evaluation, supported affordable acquisition of warfighter and M&S capabilities, and provided improved analysis, planning and intelligence.				
Specific tasks accomplished in FY 2011 divide into three classes, management/coordination activities, sustainment activities, and development activities:				
In the area of Management /coordination activities for improving the effectiveness and cost effectiveness of the DoD M&S enterprise:				

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> • Continued as DoD Lead Standardization Activity (LSA) for managing M&S standards and methodologies to improve the interoperability and reuse of M&S within the DoD, other U.S. government agencies, and international M&S communities. • Continued serving as the DoD modeling and simulation focal point for M&S activities and for collaboration within the DoD providing advice and assistance to the USD AT&L on M&S. • Planned, prepared, coordinated, and managed the meetings of the DoD M&S Integrated Process Team (IPT) for providing advice and assistance to the M&S Steering Committee. • Wrote and coordinated an M&S Instruction (DoDI 5000.59) providing direction and guidance for DoD M&S policy and governance. • Wrote and coordinated a new M&S Glossary for standardization of terminology and increased collaboration across the DoD M&S Enterprise. • Developed the DoD M&S Enterprise strategy and published a DoD M&S Enterprise Strategic Plan for FY12-FY18. • Engaged the Modeling & Simulation Community of Interest (M&S COI) for integrating M&S Enterprise Data requirements into the DoD Wide Net Centric Data Strategy. • Managed the development of an M&S CO core program to maintain and sustain M&S tools, data, and services vital to the long term success of the DoD M&S Enterprise. • Transitioned the management of the DoD Enterprise M&S Catalog from CAPE to the M&S CO core program and developed a configuration management process for this important asset supporting re-use of DoD M&S. • Completed a study and report to Congress describing the viability of the domestic M&S industrial base study. • Provided oversight and support to a Virginia Modeling and Simulation Center (VMASC) study on M&S standards. • Provided functional oversight and technical direction to DTIC's Modeling and Simulation Information Analysis Center (MSIAC) for the acquisition, analysis, and dissemination of M&S information related to fulfilling DoD needs. • Established and coordinated plans to revise the Defense Acquisition University (DAU) M&S course content and curriculum to support the continuation of a well-trained M&S workforce. • Provided Simulation to C4I Interoperability (SIMCI) project technical assistance to Army and international activities. • Revised and continued the implementation of metrics for improving the execution of High Level Tasks sponsored by this PE. • Conducted quarterly program management reviews for the High Level Tasks sponsored by this PE and provided oversight, guidance, and financial control. • Supported the planning of the simulation summit and attended national stakeholder meetings. • Continued coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/ voting of M&S standards supporting interoperability. • Worked actively with other standard and professional organizations such as the Information Technology Standards Committee (ITSC), SISO, International Organization for Standards (ISO), Institute of Electrical and Electronics Engineers (IEEE) and the Military Operations Research Society (MORS) for the development and promulgation of standards relating to M&S. 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
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<ul style="list-style-type: none"> • Continued serving as the DoD modeling and simulation focal point for M&S activities and collaboration with non-DoD, federal agencies including the Department of Homeland Security (DHS), the Department of Energy (DOE), the Department of Justice (DOJ), and the National Aeronautics and Space Administration (NASA). • Continued serving as the DoD modeling and simulation focal point for M&S activities and collaboration with International agencies including NATO, Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), USFK, ROK and other Allies. <p>In the area of sustainment, to maintain the value of previously developed tools, data, and services supporting effective DoD M&S:</p> <ul style="list-style-type: none"> • Continued management of existing M&S standards. • Enhanced the High Level Architecture (HLA) compliance testing tool suites for improving M&S interoperability through use of this important simulation standard. • Verified HLA compliance of a set of Republic of Korea (ROK) simulations supporting joint warfighting between U.S. Forces Korea and ROK. • Refined and populated the DoD Enterprise M&S catalog making authoritative tools and data more widely accessible and useable. • Initiated new M&S Core requirements process and configuration management process. • Sustained the M&S business plan for the Joint Staff, Joint Strategy & Policy, J5, providing M&S requirements for Adaptive Planning Execution System. <p>In the area of M&S Development to improve DoD M&S capability:</p> <ul style="list-style-type: none"> • Developed the DoD M&S Enterprise Strategy to plan the efficient allocation of limited PE resources for improving effectiveness, interoperability, and re-use. • Developed M&S VV&A Standards Guide, Recommended Practices Guide, and risk-based VV&A methodology for improving the cost effectiveness and suitability of DoD M&S. • Refined requirements for the education and training of an effective M&S workforce. • Executed DoD M&S Enterprise high level tasks endorsed by the M&S SC: <ul style="list-style-type: none"> -- Rapid Data Generation (RDG) and the Environmental Data Cube Support System (EDCSS) for enhanced data initialization, environmental effects representation methodologies and data support tools to include development of an initial Common Data Production Environment (CDPE) as an incremental technical capability for enterprise M&S data Capability. -- Irregular Warfare (IW) Modeling & Simulation for enhanced analytical capabilities and continued coordination of the development and dissemination of M&S IW tools. 			
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
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<p>-- Cyber Operations Research and Network Analysis (CORONA) for new cyber-warfare simulation tools and representation of cyber operations during acquisition and training events.</p> <p>-- Live-Virtual-Constructive Architecture Roadmap (LVC-AR) Implementation & Net-Centric Environment Implications for the development architectural frameworks, tools, and services to enable the integration of disparate M&S architectures.</p> <p>-- Integrated Threat Systems Modeling & Simulation for improved representation and implementation of threat capabilities and the representation of threats to US forces as systems-of-systems.</p> <p>-- DoD Enterprise M&S Catalog for improved visibility into DoD M&S assets supporting enhanced interoperability and reuse.</p> <ul style="list-style-type: none"> • Developed the Data Management Working Group (DMWG) under the M&S Community of Interest (COI) to address M&S data specific technical challenges for the High Level Tasks and the DoD M&S data enterprise. • Developed Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data. <p>FY 2012 Plans:</p> <p>The focus for FY 2012 is on developing new enterprise strategies; refining data standards and common architectures; populating repositories supporting reuse; rationalizing the use of proprietary tools (consistent with the FAR); improving tools to model irregular warfare; enhancing interactions with our international partners; removing barriers to collaboration with industry, academia, interagency partners; and providing M&S education to the workforce.</p> <p>The tasks planned in FY 2012 again divide into three classes, management/coordination activities, sustainment activities, and development activities.</p> <p>Specific tasks for FY 2012 include:</p> <p>Management / Coordination Activities:</p> <ul style="list-style-type: none"> • Continue as the DoD Lead Standardization Activity (LSA) for managing M&S standards and methodologies to improve the interoperability and reuse of M&S within the DoD, other U.S. government agencies, and international M&S communities. • Continue serving as the DoD modeling and simulation focal point for M&S activities and for collaboration within the DoD. • Plan, prepare, coordinate, and manage the meetings of the flag-officer level DoD M&S Steering Committee (SC) for providing advice and assistance to the USD AT&L on M&S. • Plan, prepare, coordinate, and manage the meetings of the DoD M&S Integrated Process Team (IPT) for providing advice and assistance to the M&S Steering Committee. • Publish the M&S Instruction (DoDI 5000.59) providing direction and guidance for DoD M&S policy and governance. • Publish the M&S Glossary online for standardization of terminology and increased collaboration across the DoD M&S Enterprise. 			
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B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> • Continue managing the development of an M&S CO core program to maintain and sustain M&S tools, data, and services vital to the long term success of the DoD M&S Enterprise. • Provide functional oversight and technical direction to DTIC’s Modeling and Simulation Information Analysis Center (MSIAC) and/or DTIC’s Cyber Security and Information Systems Information Analysis Center (CSIAC). • Continue the implementation of metrics for improving the execution of High Level Tasks sponsored by this PE. • Coordinate and review four quarterly program management reviews for the High Level Tasks sponsored by this PE. • Support the planning of the simulation summit and attended national stakeholder meetings. • Continue coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/ voting of M&S standards supporting interoperability. • Continue working actively with other standard organizations for the development and promulgation of standards relating to M&S. • Serve as the DoD modeling and simulation focal point for M&S activities and collaboration with non-DoD, federal agencies including the Department of Homeland Security (DHS), the Department of Energy (DOE), the Department of Justice (DOJ), and the National Aeronautics and Space Administration (NASA). • Serve as the DoD modeling and simulation focal point for M&S activities and collaboration with International agencies including NATO, Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), USFK, ROK and other Allies. • Continue engaging Modeling & Simulation Community of Interest (M&S COI) activities for integrating M&S Enterprise Data requirements into the DoD Wide Net Centric Data Strategy. • Support and participate in the Data Management Working Group (DMWG) activities to address M&S data specific technical challenges for the HLTs and the DoD M&S data enterprise. <p>Sustainment Activities:</p> <ul style="list-style-type: none"> • Continue managing existing M&S standards. • Continue testing HLA compliance for simulations supporting joint warfighting. • Continue refining and populating the DoD Enterprise M&S catalog making authoritative tools and data more widely accessible and useable. • Maintain and synchronize the MSMO strategic calendar with DoD and international M&S activities. • Sustain the MSMO support agreements and contracts. • Coordinate M&S support contracts reviews. • Sustain M&S COI activities. • Sustain DMWG activities. • Participate at conferences such as the Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC) and through publications such as the M&S Journal and the Modeling and Simulation Coordination office website. 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
<p>Development Activities:</p> <ul style="list-style-type: none"> • Execute DoD M&S Enterprise high level tasks endorsed by the M&S SC: <ul style="list-style-type: none"> --Rapid Data Generation (RDG) and the Environmental Data Cube Support System (EDCSS) for enhanced environmental methodology and tools. --Irregular Warfare (IW) Modeling & Simulation for enhanced analytical capabilities and continued coordination of the development and dissemination of M&S IW tools. --Cyber Operations Research and Network Analysis (CORONA) for new cyber-warfare tools. --LVC-AR Implementation & Net-Centric Environment Implications for integration of disparate M&S architectures. --Integrated Threat Systems Modeling & Simulation for improved representation and implementation of intelligence data. --DoD Enterprise M&S Catalog for improved visibility into DoD M&S assets supporting enhanced interoperability and reuse. • Continue developing Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data. • Continue development of the Common Data Production Environment (CDPE) and finalize incremental technical capabilities for the DoD Global Force Management Data initiative. • Initiate new M&S Core enterprise capabilities activities. • Continue revising the DAU M&S course content and curriculum to support well-trained M&S workforce. • Develop M&S data enterprise business plan guide, identify and document M&S data technical, acquisition and sustainment/transition business models for the DoD M&S data enterprise. • Develop Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data by initiating development of enhanced and correlated geospatial data discovery using the DoD M&S Discovery Metadata Specification standard and by beginning developmental planning activities for M&S logistics data. • Develop the Planning Community strategic plan in support of the M&S CO M&S Strategic Plan. <p>These tasks will continue developing, producing, and applying enterprise-wide planning and best business practices to encourage commonality, interoperability, reuse, and cost savings across the Services, Combatant Commands, and OSD-level activities.</p> <p>FY 2013 Plans: DoD M&S management will sustain and advance the efforts implementing its "Strategic Vision for DoD Modeling and Simulation."</p> <p>The focus for FY 2013 will be on enhancing the effectiveness of our M&S expenditures by smartly developing new common capabilities in an enterprise fashion and managing the proliferation of individual M&S tools by encouraging reuse and interoperability.</p> <p>Management/Coordination Activities:</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012
<ul style="list-style-type: none"> • Continue as the DoD Lead Standardization Activity (LSA) for managing M&S standards and methodologies to improve the interoperability and reuse of M&S within the DoD, other U.S. government agencies, and international M&S communities. • Continue serving as the DoD modeling and simulation focal point for M&S activities and for collaboration within the DoD. • Continue planning, preparing, coordinating, and managing the meetings of the flag-officer level DoD M&S Steering Committee (SC) for providing advice and assistance to the USD AT&L on M&S. • Continue planning, preparing, coordinating, and managing the meetings of the DoD M&S Integrated Process Team (IPT) for providing advice and assistance to the M&S Steering Committee. • Continue managing the development of an M&S CO core program to maintain and sustain M&S tools, data, and services vital to the long term success of the DoD M&S Enterprise. • Provide functional oversight and technical direction to DTIC's Modeling and Simulation Information Analysis Center (MSIAC) and/or DTIC's Cyber Security and Information Systems Information Analysis Center (CSIAC). • Continue the implementation of metrics for improving the execution of High Level Tasks sponsored by this PE. • Continue coordinating quarterly program management reviews for the High Level Tasks sponsored by this PE. • Continue supporting the planning of the simulation summit and attend national stakeholder meetings. • Continue coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/voting of M&S standards supporting interoperability. • Continue working actively with other standard organizations for the development and promulgation of standards relating to M&S. • Continue serving as the DoD modeling and simulation focal point for M&S activities and collaboration with non-DoD, federal agencies including the Department of Homeland Security (DHS), the Department of Energy (DOE), the Department of Justice (DOJ), and the National Aeronautics and Space Administration (NASA). • Continue serving as the DoD modeling and simulation focal point for M&S activities and collaboration with International agencies including NATO, Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), USFK, ROK and other Allies. • Continue to engage Modeling & Simulation Community of Interest (M&S COI) activities for integrating M&S Enterprise Data requirements into the DoD Wide Net Centric Data Strategy. • Continue with the Data Management Working Group (DMWG) activities to address M&S data specific technical challenges for the HLTs and the DoD M&S HLTs and the DoD M&S data enterprise. <p>Sustainment Activities:</p> <ul style="list-style-type: none"> • Continue managing existing M&S standards. • Continue testing HLA compliance for simulations supporting joint warfighting. • Continue refining and populating the DoD Enterprise M&S catalog making authoritative tools and data more widely accessible and useable. 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> • Maintain and synchronize the MSMO strategic calendar with DoD and international M&S activities. • Sustain MSMO support agreements and contracts. • Coordinate M&S support contracts reviews. • Sustain M&S COI activities. • Sustain DMWG activities. • Publish the Planning Community strategic plan. • Publish the Enterprise System Engineering M&S Data requirements, architecture, and standards Development Activities. • Maintain online M&S Glossary for standardization of terminology and increased collaboration across the DoD M&S Enterprise. <p>Development Activities:</p> <ul style="list-style-type: none"> • Provide funding for DoD M&S Enterprise high level tasks endorsed by the M&S SC. • Continue developing Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data. • Continue development of the Common Data Production Environment (CDPE) by finalizing development of enhanced and correlated geospatial data discovery using the DoD M&S Discovery Metadata Specification standard, by continuing incremental developmental of M&S logistics data, and by beginning developmental planning activities for M&S Command & Control data. • Initiate new M&S Core enterprise capabilities activities. • Continue revising Defense Acquisition University (DAU) M&S course content and curriculum to support well-trained M&S workforce. 			
Accomplishments/Planned Programs Subtotals	33.114	29.977	36.433

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

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Performance in this program is monitored in the following ways:

1. Number of instances where M&S standards, best practices, or tools have been adopted or employed. (Goal 1)
2. Number of M&S standards registered or updated in the authoritative DoD and international standards repositories, to include the Information Technology Standards and Defense Standardization Programs (Goal 1)

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<p>3. Number of collaborative events held or agreements made within DoD, with other U.S. Government Departments and Agencies, coalition partners including NATO and Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), international Allies, industry and academia. (Goal 2)</p> <p>4. Number of M&S policies or plans issued, re-issued, revised, or deleted. (Goal 2)</p> <p>5. Number of Community/Service business plans or strategies issued, re-issued, revised, or deleted. (Goal 2)</p> <p>6. Number of simulation federates and infrastructure capabilities which participate in DoD standards verification and compliance activities (Goal 2)</p> <p>7. Number of M&S gaps identified in the DoD M&S Enterprise Strategy and addressed by PE funding. (Goal 3)</p> <p>8. Number of M&S resources (tools, data, and services) made visible or updated in the DoD M&S Enterprise Catalog for reuse and the completeness of each record according to DoD discovery metadata standards. (Goal 4)</p> <p>9. Number of M&S repositories linked to the DoD M&S Enterprise Catalog. (Goal 4)</p> <p>10. Number of users that register for and employ common tools promoted by the M&S Core enterprise capabilities program (Goal 4)</p> <p>11. Number of users accessing and completing DoD sponsored training venues for educating the M&S workforce. (Goal 5)</p>		

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>	R-1 ITEM NOMENCLATURE PE 0603832D8Z: <i>DoD Modeling and Simulation Management Office</i>	PROJECT P477: <i>Effects Chain Analyses Cell</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
<i>P477: Effects Chain Analyses Cell</i>	-	-	11.000	-	11.000	11.000	11.000	11.000	11.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The A2/AD effects chain analysis effort is a new effort to develop and strengthen the specific analysis data, tools, and actual technical analyses supporting decisions on weapon system and operational capability development. This effort will seed a team of about 5-10 analysts who will be responsible for identifying specific analytic limitations, developing the technical analysis plan, and implementing the plan. These analyses will be acquisition-centered net analyses of the end-to-end blue (US and Allies) capabilities compared to specific red (potential adversary) capabilities focused on identifying the most promising technologies for application to A2/AD problems. All of these analyses will address acquisition specific questions—can a system be accelerated? Can a group of capabilities be combined in different ways to improve the overall effectiveness of US systems, and so forth. This office is expected to work closely with the Joint Staff and the Military Departments and in particular with the Air Sea Battle Office.

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

Title: Effects Chain Analyses Cell	FY 2011	FY 2012	FY 2013
<i>FY 2013 Plans:</i> The analyses will initially focus on PACOM and CENTCOM AORs. Projects undertaken will be approved by the Under Secretary of Defense (AT&L).	-	-	11.000
Accomplishments/Planned Programs Subtotals	-	-	11.000

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

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A