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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Office of Secretary Of Defense										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)					PE 0603832D8Z: DoD Modeling and Simulation Management Office							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	29.860	47.433	41.370	-	41.370	45.890	48.770	50.052	51.025	Continuing	Continuing
P476: DoD Modeling and Simulation Management Office	-	29.860	36.433	30.370	-	30.370	34.890	37.770	39.052	40.025	Continuing	Continuing
P477: Effects Chain Analyses Cell	-	0.000	11.000	11.000	-	11.000	11.000	11.000	11.000	11.000	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

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) enabling cooperation and collaboration in identifying, developing and sustaining M&S solutions; and (2) promoting common architectures, standards, and services that improve interoperability, reuse, and cost effectiveness of DoD M&S.

This Program 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.

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.

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APPROPRIATION/BUDGET ACTIVITY

0400: *Research, Development, Test & Evaluation, Defense-Wide*
BA 3: *Advanced Technology Development (ATD)*

R-1 ITEM NOMENCLATURE

PE 0603832D8Z: *DoD Modeling and Simulation Management Office*

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. Program Change Summary (\$ in Millions)	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	29.977	47.433	48.158	-	48.158
Current President's Budget	29.860	47.433	41.370	-	41.370
Total Adjustments	-0.117	0.000	-6.788	-	-6.788
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.108	-			
• SBIR/STTR Transfer	-	-			
• Baseline Adjustments	-	-	-6.788	-	-6.788
• Other Adjustments	-0.009	-	-	-	-

Change Summary Explanation

Baseline adjustments are reflective of DoD priorities and requirements.

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0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)					PE 0603832D8Z: DoD Modeling and Simulation Management Office				P476: DoD Modeling and Simulation Management Office			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
P476: DoD Modeling and Simulation Management Office	-	29.860	36.433	30.370	-	30.370	34.890	37.770	39.052	40.025	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

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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) enabling cooperation and collaboration in identifying, developing and sustaining modeling and simulation solutions; and (2) promoting common M&S architectures standards, and services that improve interoperability, reuse, and cost effectiveness of DoD M&S. 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 Instruction 5000.70, "Management of DoD Modeling and Simulation (M&S) Activities;" 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, technology, 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 M&S standards and methodologies.
- Focal point for coordinating DoD M&S outreach activities and interactions within DoD, with other U.S. Government Departments and Agencies, International Allies, industry and academia.

This program 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.

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• Foster common formats. • Are readily accessible and can be reliably applied by users.			
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 2012	FY 2013
Title: DoD Modeling and Simulation Management Office		29.860	36.433
Description: 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.			30.370
FY 2012 Accomplishments: The focus for FY 2012 was 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			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
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. As recognition for some of its efforts, the Modeling and Simulation Coordination Office received the "M&S Standards Guideline" award from The Technical Cooperation Program (TTCP). The tasks executed in FY 2012 divided into three classes: development activities, sustainment activities, and management/coordination activities. Specific tasks for FY 2012 included: Development Activities: • Executed DoD M&S Enterprise high level tasks endorsed by the M&S SC: --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. • Continued developing Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data. • Continued development of the Common Data Production Environment (CDPE) and finalized incremental technical capabilities for the DoD Global Force Management Data initiative. • Initiated new M&S Core enterprise capabilities activities. • Continued revising the Defense Acquisition University (DAU) M&S course content and curriculum to support well-trained M&S workforce. • Developed M&S data enterprise business plan guide, identified and documented M&S data technical, acquisition and sustainment/transition business models for the DoD M&S data enterprise. • Developed 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. • Developed the Planning Community M&S strategic plan in support of overall M&S strategic Planning.			

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
• Produced the M&S Standards Guideline for TTCP. • Led the DoD M&S Enabling Cyber Workshop. • Participated in the inaugural National Modeling and Simulation Coalition conference. • Produced a new M&S Community of Interest (COI) Discovery Metadata Specification (MSC-DMS) version 1.5 for M&S data. • Coordinated the application of EDCSS in a Fleet Synthetic Training (FST) exercise. • Supported the development of new approaches to using M&S in acquisition. Sustainment Activities: • Continued managing existing M&S standards. • Continued testing compliance to HLA standard for simulations supporting joint warfighting. • Continued refining and populating the DoD Enterprise M&S catalog making authoritative tools and data more widely accessible and useable. • Maintained and synchronized the MSMO strategic calendar with DoD and international M&S activities. • Sustained the MSMO support agreements and contracts. • Coordinated M&S support contracts reviews. • Coordinated with DHS and DOE for presentation at the 2011 Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC). • Published the M&S Journal. • Maintained the M&S Coordination office website. Management / Coordination Activities: • Continued 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. • Continued serving as the DoD M&S focal point for M&S activities and for collaboration within the DoD. • Planned, prepared, coordinated, and managed 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. • 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. • Published the M&S Instruction (DoDI 5000.70) providing additional direction and guidance for DoD M&S policy and governance. • Continued managing the development of a core technology program to maintain and sustain M&S tools, data, and services vital to the long term success of the DoD M&S Enterprise. • Provided functional oversight and technical direction to DTIC's Modeling and Simulation Information Analysis Center (MSIAC).					

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
- Continued the implementation of metrics for improving the execution of High Level Tasks (HLTs) sponsored by this PE. - Coordinated and reviewed four quarterly program management reviews for the High Level Tasks sponsored by this PE. - Supported the development and planning of the National Modeling and Simulation Coalition industry technology initiatives. - Continued coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/ voting of M&S standards supporting interoperability. - Continued working actively with other standard organizations for the development and promulgation of standards relating to M&S. - Served as the DoD M&S 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). - Served as the DoD M&S focal point for M&S activities and collaboration with International agencies including NATO, Partnership for Peace (PfP) nations, The Technical Cooperation Program (TTCP), United States Force Korea, Republic of Korea (USFK, ROK) and other Allies. - Continued 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. - Managed, supported, and participated 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. - Assisted OSD AT&L / STEM Office in development of Science, Technology, Engineering, and Mathematics (STEM) management tool. These tasks continued 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. FY 2013 Plans: DoD M&S management will sustain and advance the efforts implementing its “Strategic Vision for DoD Modeling and Simulation.” The focus for FY 2013 will be on providing technical expertise and support to smartly develop new common capabilities in an enterprise fashion and manage the proliferation of individual M&S tools by encouraging reuse and interoperability. Development Activities: - Continue executing DoD M&S Enterprise high level tasks endorsed by the M&S SC. --Rapid Data Generation (RDG).					

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
--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 enhanced 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) 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 technical enterprise - activities. • Continue revising Defense Acquisition University (DAU) M&S course content and curriculum to support well-trained M&S workforce. • Continue leading the DoD M&S Enabling Cyber Workshops. • Continue updating the MSC-DMS metadata specification for M&S data. • Continue coordinating the use of EDCSS in DoD exercises. • Continue supporting the development of new approaches to using M&S in acquisition. Sustainment Activities: • Continue managing existing M&S standards. • Continue testing compliance to HLA standard 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. • Upgrade and maintain the online DoD M&S Glossary for standardization of terminology and increased collaboration across the DoD M&S Enterprise. • Continue maintaining the Modeling and Simulation Coordination office website. Management/Coordination Activities: • 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. • Update DOD M&S policy, currently five years old.			

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
• Continue advising and assisting the USD(AT&L) on M&S. • Continue working groups for providing technical advice and assistance to the M&S Senior Steering Committee. • Work Implementation Plans in coordination with stakeholders for M&S SC Priority Objectives (FY 2014-2018) based on the Strategic Vision for DoD Modeling and Simulation, and initiate actions to begin FY 2014. • Continue managing the development of a core technology program to maintain and sustain M&S tools, data, and services vital to the long term success of the DoD M&S Enterprise. • Transition capabilities formerly assigned to DTIC's Modeling and Simulation Information Analysis Center (MSIAC). • Provide functional oversight and technical direction to M&S portion of DTIC's Cyber Security and Information Systems Information Analysis Center (CSIAC). • Continue coordinating quarterly program management reviews for tasks sponsored by this PE. • Continue coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/voting of M&S standards supporting interoperability. • 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), 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 managing the Data Management Working Group (DMWG) activities to address M&S data technical challenges. FY 2014 Plans: M&S management will sustain and advance the efforts implementing its "Strategic Vision for DoD Modeling and Simulation." The focus for FY 2014 will be on ensuring technical expertise and support capability to enhance the effectiveness of our M&S expenditures through smart development of new common capabilities in an enterprise fashion and by managing the proliferation of individual M&S tools through encouraging reuse and interoperability. Development Activities: • Begin implementation of M&S SC Priority Objectives (FY 2014–2018) actions based on the Strategic Vision for DoD Modeling and Simulation. • Continue developing Enterprise System Engineering M&S Data requirements, architecture, and standards for M&S Data.					

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
• 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. • Continue revising M&S course content and curriculum to support well-trained M&S workforce. • Continue leading the DoD M&S Enabling Cyber Workshops. • Continue updating the MSC-DMS metadata specification for M&S data. • Continue coordinating the use of EDCSS in DoD exercises. • Continue supporting the development of new approaches to using M&S in acquisition. Sustainment Activities: • Continue managing existing M&S standards. • Continue testing compliance to HLA standard 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. • Maintain the online DoD M&S Glossary for standardization of terminology and increased collaboration across the DoD M&S Enterprise. • Continue maintaining the Modeling and Simulation Coordination office website. Management/Coordination Activities: • 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 advising and assisting the USD AT&L on M&S. • Continue coordinating working groups for providing technical advice and assistance to the DoD M&S Senior Steering Committee. • Continue managing the development of a technical 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 M&S functional oversight and M&S technical direction to DTIC's Cyber Security and Information Systems Information Analysis Center (CSIAC). • Continue coordinating quarterly program management reviews for tasks sponsored by this PE. • Continue coordination with the Simulation Interoperability Standards Organization (SISO) for governance and development/ voting of M&S standards supporting interoperability.			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
• Continue 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), and other Allies. • Continue to coordinate the Modeling & Simulation Community of Interest (M&S COI) activities. • Continue managing the Data Management Working Group (DMWG) activities to address M&S data technical challenges.			
Accomplishments/Planned Programs Subtotals		29.860	36.433
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
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, technical 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) 3. Number of collaborative technology 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) 4. Number of M&S policies or plans issued, re-issued, revised, or deleted. (Goal 2) 5. Number of Community/Service business plans or strategies issued, re-issued, revised, or deleted. (Goal 2) 6. Number of simulation federates and infrastructure capabilities which participate in DoD standards verification and compliance activities. (Goal 2) 7. Number of M&S technology gaps identified in the enterprise planning process and addressed by PE funding. (Goal 3) 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) 9. Number of M&S repositories linked to the DoD M&S Enterprise Catalog. (Goal 4) 10. Number of users that register for and employ common tools promoted by the M&S Core enterprise capabilities program. (Goal 4) 11. Number of users accessing and completing DoD sponsored training venues for educating the M&S workforce. (Goal 5)			

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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
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[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 ^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification The Anti-access/Area-denial (A2/AD) threat requires detailed modeling and simulation based analysis to support weapon system and operational capability development. This effort will focus on generating operational scenario and system analyses, 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. The analyses will address acquisition specific questions such as: can a system be accelerated and/or can a group of capabilities be combined in different ways to improve the overall effectiveness of US systems? 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)									FY 2012	FY 2013	FY 2014	
Title: Effects Chain Analyses Cell									0.000	11.000	11.000	
Description: 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. The analyses will initially focus on PACOM and CENTCOM Areas of responsibilities. Projects undertaken will be approved by the Under Secretary of Defense (AT&L).												
FY 2013 Plans: - Initiate alternative concepts focused on near-term systems employment in coordination with PACOM, develop analytical approaches to assess capability improvements. - Identify promising concepts for detailed analysis of effects. - Analyze sensor options and cost effective architectures for land based defense.												
FY 2014 Plans: - Continue concept analysis of near-term systems in alternate employment scenarios. - Perform detailed performance and effects analysis of promising concepts.												
Accomplishments/Planned Programs Subtotals									0.000	11.000	11.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Office of Secretary Of Defense		DATE: April 2013
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>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		