

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

Date: February 2007

APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 3		PE NUMBER AND TITLE 0603832D8Z - Joint Wargaming Simulation Management Office						
Cost (\$ in Millions)	FY 2006 Actual	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Program Element (PE) Cost	19.394	35.972	37.837	38.273	39.636	40.480	41.012	41.589
P476 Joint Wargaming Simulation Management Office	19.394	35.972	37.837	38.273	39.636	40.480	41.012	41.589

A. Mission Description and Budget Item Justification: A. Mission Description and Budget Item Justification: (U) Modeling and Simulation (M&S) is a key enabler of DoD activities such as analysis, acquisition, training, test and evaluation, experimentation, and planning across the Services as well as most of the other major DoD components. The development and use of most M&S within DoD is generally double stovepiped - first, within separate activities such as those above, and second, within each of the DoD components. The strategic objective of this program is to maximize M&S commonality, reuse, interoperability, efficiencies, and effectiveness via common and cross-cutting M&S. This Joint Wargaming Simulation Management Office Program Element is executed by the Modeling and Simulation Coordination Office (M&S CO) in accordance with DoD Directive 5000.59, Management of Modeling and Simulation, DoD Directive 5134.1 Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)), 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	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	34.372	36.179	38.992	39.345
Current BES/President's Budget (FY 2008/2009)	19.394	35.972	37.837	38.273
Total Adjustments	-14.978	-0.207	-1.155	-1.072
Congressional Program Reductions		-0.207		
Congressional Rescissions				
Congressional Increases				
Reprogrammings	-14.000			
SBIR/STTR Transfer	-0.978			
Other			-1.155	-1.072

C. Other Program Funding Summary: Not Applicable.

D. Acquisition Strategy: Not Applicable.

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E. Performance Metrics:

FY	Strategic Goals Supported	Existing Baseline	Planned Performance Improvement / Requirement Goal	Actual Performance Improvement	Planned Performance Metric / Methods of Measurement	Actual Performance Metric / Methods of Measurement
08						

Comment: (U) Comment: Performance in this program is monitored in the following ways:

- (U) 1. Continuous oversight on behalf of the USD(AT&L) by the DoD Modeling and Simulation Steering Committee comprised of Communities enabled by M&S, the four Military Departments, and the Joint Staff.
- (U) 2. Community M&S Business Plans implemented.
- (U) 3. Common and Cross-Cutting M&S Business Plan implemented.
- (U) 4. Standards Implemented.

OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)

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Cost (\$ in Millions)	FY 2006 Actual	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
P476 Joint Wargaming Simulation Management Office	19.394	35.972	37.837	38.273	39.636	40.480	41.012	41.589

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(U) The M&S CO has four responsibility areas:

(U) (1) Facilitate the development of DoD's M&S vision to guide the M&S activities of the DoD Components and DoD Communities.

(U) (2) Facilitate oversight and strategic governance of DoD M&S capabilities and resources.

(U) (3) Facilitate the development and implementation of Community M&S Business Plans and the Common and Cross-Cutting M&S Business Plan.

(U) (4) Facilitate the development and implementation of policies, plans, procedures, and DoD issuances to manage M&S and the implementation of best practices of how models and simulations are effectively acquired, developed, managed, and used by DoD Components.

(U) The M&S CO strategic objectives:

(U) M&S Commonality - Maximize the use of common M&S Tools, Data, and Services via projects creating or making visible and accessible common and cross-cutting M&S Tools, Data, and Services.

(U) M&S Reuse - Maximize the reuse of existing M&S Tools, Data, and Service components to create new M&S Tools, Data, and Services via projects that foster visibility, accessibility, and usability of such components.

(U) M&S Interoperability - Maximize interoperability among the real operations environment, the simulated operations environment, and the range operations environment via projects to create and maintain standards.

(U) M&S Efficiencies - Implement M&S management provisions to organize DoD M&S activities to cost efficiently satisfy DoD M&S requirements. This includes, but is not limited to: M&S Tools, M&S Data and M&S Services; standards and best practices for the use of M&S; DoD M&S Coordination Agents; a DoD M&S Information Analysis Center, and M&S Professional Development.

(U) M&S Effectiveness - Maximize the effectiveness and effective use of M&S Tools, Data, and Services via projects that enable the rapid sharing of readily understandable verification, validation, and accreditation information.

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B. Accomplishments/Planned Program:

Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Joint Wargaming Simulation Management Office	19.394	35.972	37.837	38.273

FY 2006 Accomplishments: Developed initial Community M&S Business Plans for 6 DoD Communities (analysis, acquisition, training, test and evaluation, experimentation, and planning). Developed initial draft of the M&S Common and Cross-cutting Business plan which identifies the existing major gaps in M&S capabilities which limit the DoD's effective use of M&S. Delivered a National Academies of Sciences study which identifies shortcomings and suggests where and how they should be addressed. Provided M&S mission planning tools and analysis capabilities that became part of the Department's operations in Iraq. Delivered "designed to order" weather and ocean scenarios in support of the Analytic Community. Delivered a study of commercial gaming technologies and their application to DoD M&S needs. Enhanced training for coalition operations for all non-US simulation components by making HLA RTI Certification and Federation Compliance Test Suites ready for export to our NATO allies through the Research and Technology Board. Continued providing standards, policies and product support for improving Common and Cross-cutting M&S tools, M&S Data and M&S Services to allow their separate models, simulations and command and control systems to effectively operate in a common M&S environment. Continued providing multi-year technology development programs targeted at improving the agility and cost-effectiveness of M&S in support of consistent, interoperable mission spaces that can be used for the full spectrum of military transformational initiatives. Continued acting as the USD(AT&L) action agent in developing M&S policies, plans and programs that support the effective and efficient management of the Department's M&S resources.

FY 2007/2008/2009 Plans: Implementation of the M&S management provisions in DoDD 5000.59. Create and implement the way ahead standards and/or practicises for simulation interface interoperability, component interface interoperability, scenario representation interoperability, operations management representation interoperability, and entity representation interoperability; Validation, Verification and Accreditation; DoD M&S Coordination Agents. Improve and implement Community and Common and Cross-Cutting M&S Business Plans.

C. Other Program Funding Summary: Not Applicable.

D. Acquisition Strategy: Not Applicable.

E. Major Performers Not Applicable.