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**OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)**

Date: February 2006

APPROPRIATION/ BUDGET ACTIVITY  
RDT&E/ Defense Wide BA# 3

PE NUMBER AND TITLE

**0603832D8Z - Joint Wargaming Simulation Management Office**

Cost (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	40.915	34.372	36.179	38.992	39.345	40.378	41.505
P476 Joint Wargaming Simulation Management Office	40.915	34.372	36.179	38.992	39.345	40.378	41.505

**A. Mission Description and Budget Item Justification:** (U) Modeling and Simulation (M&S) underpins and supports DoD analysis, acquisition, training, test and evaluation, experimentation, and operations activities across the Services as well as most of the other major DoD components. The development of M&S within DoD is generally double stovepiped - first, within each of the above functional areas and, second, within each of the DoD components. This double stovepipe tendency causes non-interoperability and cost inefficiencies. The purpose of this program is to break down these stovepipes to enable interoperable and cost efficient M&S capabilities. This Joint Wargaming Simulation Management Office Program Element is executed by the Defense Modeling and Simulation Office (DMSO) 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.

(U) DMSO has four assigned responsibility areas:

(U) (1) M&S Coordination: DoDD 5000.59: "Staff and distribute DoD M&S plans, programs, policies, procedures, and DoD publications."; DoD M&S Focal Point; EXCIMS Secretary; MSWG Chair.

(U) (2) Joint and Cooperative M&S: DoDD 5000.59: "Promote joint and cooperative research, development, acquisition, and operation of M&S systems, technologies, and capabilities among the DoD Components."

(U) (3) M&S Standards: DoD 4120.24-M: "manage and coordinate standardization efforts"; SAC, SR101-521: "establish interoperability standards and protocols"; and HASC/SASC CR 1991: "studies and technical efforts to develop...standards".

(U) (4) M&S Services: DoDI 3200.14: "Acquire, digest, analyze, evaluate, synthesize, store, publish and disseminate.." S&T information and engineering data; DoDI 3200.14: "...provide advisory and other user services to their authorized user community."

(U) DMSO has two strategic objectives: (1) M&S Interoperability and (2) M&S Cost Efficiency.

(U) The DMSO M&S Interoperability strategic objective will create interoperability among the real operations environment, the simulated operations environment, and the range operations environment. These three environments dominate the state space of all M&S functional areas across all DoD components. The DMSO Interoperability Strategic Objective is comprised of projects to create standards for simulation interface interoperability, component interface interoperability, scenario representation interoperability, operations management representation interoperability, and entity representation interoperability.

(U) The DMSO M&S Cost Efficiency Strategic Objective implements the M&S management provisions in DoDD 5000.59 via projects and activities to organize DoD M&S activities to cost efficiently satisfy DoD M&S requirements. This includes, but is not limited to, a DoD M&S Capabilities Based Assessment, M&S Support to the Joint Capabilities Integration and Development System (JCIDS), a DoD M&S Master Plan; a DoD M&S Investment Plan; Validation, Verification and Accreditation standards; DoD M&S Executive Agents; a DoD M&S Information Analysis Center, M&S Professional Development, and a DoD M&S Resource Registry.

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<b>B. Program Change Summary</b>	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)	44.942	34.928	35.606
Current BES/President's Budget (FY 2007)	40.915	34.372	36.179
Total Adjustments	-4.027	-0.556	0.573
Congressional Program Reductions		-0.556	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	-2.885		
SBIR/STTR Transfer	-1.081		
Other	-0.061		0.573

**C. Other Program Funding Summary:** Not Applicable.**D. Acquisition Strategy:** Not Applicable.**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
07						

Comment: Performance in this program is monitored in the following ways:

- (U) 1. Number & Effectiveness of DoD Policy Issuances
- (U) 2. Number of M&S Standards Adopted
- (U) 3. Number of Studies and Technical Efforts for Standards
- (U) 4. Number of M&S Course Graduates / Certified Professionals
- (U) 5. Number of M&S Information & Services Delivered

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- (U) 6. Number of Joint, Common, & General M&S Capabilities
- (U) 7. Number of Executive Council for M&S (EXCIMS) Level Issues/Actions Resolved
- (U) 8. Number of EXCIMS M&S Working Group (MSWG) Level Issues/Actions Resolved

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**OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)**

Date: February 2006

APPROPRIATION/ BUDGET ACTIVITY  
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PE NUMBER AND TITLE

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**P476**

Cost (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
P476 Joint Wargaming Simulation Management Office	40.915	34.372	36.179	38.992	39.345	40.378	41.505

**A. Mission Description and Project Justification:** (U) DoD Modeling and Simulation (M&S) related spending during FY 2005 amounted to over \$9.000 billion. M&S underpins and supports DoD analysis, acquisition, training, test and evaluation, experimentation, and operations activities across the Services as well as most of the other major DoD components. The development of M&S within DoD is generally double stovepiped - first, within each of the above functional areas and, second, within each of the DoD components. This double stovepipe tendency causes non-interoperability and cost inefficiencies. The purpose of this program is to break down these stovepipes to enable interoperable and cost efficient M&S capabilities. This Joint Wargaming Simulation Management Office Program Element is executed by the Defense Modeling and Simulation Office (DMSO) 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. Accomplishments/Planned Program:**

Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Joint Wargaming Simulation Management Office	40.915	34.372	36.179

FY 2005 Accomplishments: (U) Provided M&S mission planning tools and analysis capabilities that became part of the Department's operations in Iraq.

(U) Provided investments and oversight to Transformation Initiatives focused on providing the Department of Defense with the next generation of M&S tools and representation of military operations.

(U) Demonstrated Live-Virtual-Constructive capability in Urban Terrain using cost-effective technology in support of training transformation.

(U) Delivered "designed to order" weather and ocean scenarios in support of the Analytic Community.

(U) Delivered server capability to the experimentation community to deliver common data and environmental effects for experimentation and training.

(U) Enhanced training for coalition operations without having to provide certification 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.

(U) Continued providing standards, policies and product support for improving Joint community and Service tools to allow their separate models, simulations and command and control systems to effectively operate in a common M&S environment

(U) 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.

(U) 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.

(U) Initiated the development of a DoD Modeling and Simulation Master Plan and a DoD Modeling and Simulation Investment Plan.

FY 2006/FY 2007 Plans: (U) Standards for simulation interface interoperability, component interface interoperability, scenario representation interoperability, operations management representation interoperability, and entity representation interoperability.

(U) Implementation of the M&S management provisions in DoDD 5000.59: M&S Capabilities Based Assessment, M&S Support to the Joint Capabilities Integration and Development System (JCIDS), DoD M&S Master Plan; a DoD M&S Investment Plan; Validation, Verification and Accreditation standards; DoD M&S Executive Agents; a DoD M&S Information Analysis Center, M&S Professional

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Development, and a DoD M&S Resource Registry.

C. Other Program Funding Summary: Not Applicable.

D. Acquisition Strategy: Not Applicable.

E. Major Performers: Not Applicable.

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