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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

0603828D8Z - Joint Experimentation

Cost (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	0.000	0.000	115.684	115.437	118.396	120.909	123.027
P808 Joint Experimentation	0.000	0.000	115.684	115.437	118.396	120.909	123.027

A. Mission Description and Budget Item Justification: The FY 2005 National Defense Authorization Act (NDAA) directs the transfer of funding for the United States Joint Forces Command (USJFCOM) joint warfare experimentation programs from Navy, RDT&E accounts to RDT&E, Defense-wide accounts beginning in FY 2007. It also requires the Department to clearly identify funding for joint training activities in Defense-wide and Navy Executive Agent (EA) accounts in order to enhance congressional visibility of funding dedicated to joint training. Combatant Commander (COCOM), U.S. Joint Forces Command (USJFCOM) was chartered "as the Executive Agent for conducting Joint Concept Development and Experimentation (JCD&E), within the Department of Defense." The Secretary of Defense signed the USJFCOM's Joint Warfighting Experimentation Charter on 15 May 1998. H8150, 22 September 1998, Sec 922, directed the establishment of Joint Warfighting Experimentation.

The globalization of technology and commerce, driven in part by the information revolution, is changing the nature and conduct of conflict by offering new means and capabilities to our adversaries. The continuing proliferation of ballistic missiles, cruise missiles, weapons of mass destruction (WMD) and other technologies is providing every relatively small nations and organizations the ability to challenge the U.S. directly and to threaten their neighbors and then attempt to deny access to U.S. forces. Requirements associated with defense of the U.S. are now different and there is a premium on the ability of U.S. forces to respond rapidly and decisively to emerging crises and conflicts. In an era of uncertainty, U.S. forces must be capabilities-based rather than threat based.

The terrorist attacks on the U.S. homeland in September 2001, and the U.S. and allied response in Afghanistan and Iraq have underscored the new challenges that U.S. forces will face in the coming decades in coping with the threat of terrorism and consequence of failed states. Coordinated JCD&E effort is an indispensable supporter of transformational objectives and to improved U.S. capabilities and the nation's ability to conduct a war on terrorism through the use of all instruments of power. This war cannot be won solely with legacy means. Development of advanced techniques, tools, and organizations to defeat terrorism and meet other new challenges of the 21st century requires new thinking and aggressive experimentation with alternatives to ensure the effectiveness of the future joint force.

The work of JCD&E is imperative because emerging changes in the rapidly adaptive threat will not await the wholesale recapitalization of today's force structure and because new equipment alone will not provide all the capabilities needed for future forces.

All COCOMs have input to the priorities for experimentation through the USJFCOM Combatant Commander Engagement program. The future of joint warfighting is the USJFCOM area of responsibility. Joint Experimentation's purpose is to lay the foundation for national security transformation. Development of a coherent joint force starts with aggressive concept development and robust joint experimentation. USJFCOM establishes a common joint context for the DoD, which has already proven to be a powerful tool that fosters coherence, improved stewardship and early interoperability materiel solutions "born joint."

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B. Program Change Summary	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)			
Current BES/President's Budget (FY 2007)	0.000	0.000	115.684
Total Adjustments	0.000	0.000	115.684
Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
Other			115.684

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 of Joint Experimentation systems is measured by successful delivery of system solutions to Combatant Commands by required delivery dates.

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OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)

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0603828D8Z - Joint ExperimentationPROJECT
P808

Cost (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
P808 Joint Experimentation	0.000	0.000	115.684	115.437	118.396	120.909	123.027

A. Mission Description and Project Justification: The FY 2005 National Defense Authorization Act (NDAA) directs the transfer of funding for the United States Joint Forces Command (USJFCOM) joint warfare experimentation programs from Navy, RDT&E accounts to RDT&E, Defense-wide accounts beginning in FY 2007. It also requires the Department to clearly identify funding for joint training activities in Defense-wide and Navy Executive Agent (EA) accounts in order to enhance congressional visibility of funding dedicated to joint training. The Joint Experimentation Campaign Plan focuses on high priority tasks assigned to U.S. Joint Forces Command (USJFCOM) through the Strategic Planning Guidance (DPG) and the Chairman of the Joint Chiefs of Staff (CJCS) Instructions on Joint Concept Development and Experimentation. Additionally, the top priorities are designed to enable joint support to unified action by experimenting with concepts and prototypes that assist the department in:

1. Asymmetric warfare on a global scale
2. Unified Action (coherently integrated interagency and coalition operations)
3. Information Superiority (ISR, IO, Influence operations)
4. Improvised Explosive Devices (defeat the IED system)
5. Multi-national Experiment Series (concepts for coalition operations)
6. Military Support for Stability, Security, Transition and Reconstruction (SSTR) Operations
7. Joint Urban Operations
8. Joint Deployment Process Owner / Joint Deployment, Employment, Sustainment (JDPO/JDES)
9. Joint Command and Control (JC2)
10. Homeland Defense (HLD)

USJFCOM synchronized Joint and Service efforts in a "battle rhythm" that balances concept development with experimentation and smaller events that are more agile and adaptable. Unified Command Plan 2004 (UCP 2004) strengthened the JCDE role by directing USJFCOM TO "lead and coordinate the department's experimentation activities." Additionally, USJFCOM continues to strengthen these tools for conducting joint concept development and experimentation, including scalable parallel processing for modeling and simulation, providing highly capable and thinking adversaries through more effective red teaming initiatives, and building stronger links with other U.S. agencies and potential coalition partners.

B. Accomplishments/Planned Program:

Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Joint Concept Development Pathway:	0.000	0.000	58.099

FY 2007 Plans:

-Concept development emphasis on key areas identified as capabilities gaps and operational shortfalls. USJFCOM will add focus on the ten priority areas designated by Combatant Commanders including

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SSTRO, MNIAG, JUO, Joint Command and Control, Unified Action, Asymmetric Warfare and military support to Homeland Defense.			
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Joint Executable Concept Refinement:	0.000	0.000	32.350
FY 2007 Plans: -Insert Joint Mission Modeling Tool (JMMT) into operations Iraqi Force to provide in theater mission planning and rehearsal capability with actual urban terrain. -Multinational Interagency Group refinement -Multi-national Information Sharing to create a standards-based, non-proprietary, open source, secure, scalable, cross-domain, collaborative information environment that enables cost-effective multi-national information sharing. -Joint Urban Fire Prototype (JUFP): Improve the Joint Force Commander's ability to plan for and apply responsive precision fires in the urban environment.			
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Joint Deployment, Employment and Sustainment (JDES):	0.000	0.000	8.735
FY 2007 Plans: -Continue design work on a "blank sheet of paper" next generation logistics system. The proposed construct is to work a new process, procedure and system that is not bogged down by the non integrated multiple logistics systems currently in place. -Joint Experimental Deployment and Sustainment: Develop a construct for joint force asset visibility allowing adaptive planning and application of the joint force as well as ensure sustainment operations occur logically and timely. -Continue efforts to meet Basing Alternatives and Force Projections and Sustainment. -Provide focused logistics concept development for operating in an adaptive, elastic and ubiquitous distribution-based sustainment system along with the required information architecture to provide and receive time-definite support measured in hours, not days and weeks. Establish a joint sustainment force that is rapidly deployable, fully capable, immediately employable, and responsive to supported forces. -Joint Deployment Systems Business Process Reengineered Prototype Implementation: Process workflow portal to manage the deployment and sustainment of forces for 1) increased effectiveness to deploy and sustain forces in execution of joint operations; 2) enterprise application integration platform to share data and tools and 3) established functional and technical development "battle rhythm" to delivery rapid operational spirals providing enhanced transformation change solution sets to the warfighter every 9-12 months. -Joint Deployment Data Transparency: Develop the start point for joint deployment common data model/data standards, and extensible machine language (XML) data schema for shared data and increased system to system interoperability, and provide the strategic framework to plan, influence acquisition, and sustain Joint Deployment Capability for the development and management execution of an Integrated Master Plan and Integrated Master Schedule.			
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Integration with Other Regional Combatant Commanders, Military Services and Agencies:	0.000	0.000	8.000
FY 2007 Plans: - Ensure all joint warfighting capability needs of combatant commanders are addressed in experimentation efforts. Identify emerging capability gaps identified by ongoing operations. - Conduct joint context efforts. - Co-host and manage major events that test hypothesis and utility of joint warfighting concepts in events such as Joint Urban Warrior, Unified Quest, Unified Engagement, Urban Resolve, Unified View,			

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Thor's Hammer and Unified Action.			
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007
Multi-National and Coalition Concept Development:	0.000	0.000	8.500
<p>FY 2007 Plans:</p> <p>-Build upon lessons learned from real world and experimental coalition experimentation. Work on the Content-Bases Information Security and other options to fully engage our partners in the ways and means of joint/coalition warfighting. MN experimentation efforts will include work with other nations to identify and support coalition operations with leading technology or innovations from their national capabilities to export across the coalition collaborative needs.</p> <p>-FY 2007 Multi-national experiment 5 will be a comprehensive strategy where representative participates from non-military organizations will explore how to integrate full international capabilities across the spectrum of international security issues.</p>			
<u>C. Other Program Funding Summary:</u> Not Applicable.			
<u>D. Acquisition Strategy:</u> Not Applicable.			
<u>E. Major Performers</u> Not Applicable.			

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