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

Date: February 2006

APPROPRIATION/ BUDGET ACTIVITY  
RDT&E/ Defense Wide BA# 7

PE NUMBER AND TITLE

**0607828D8Z - Joint Integration and Interoperability**

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	66.906	53.270	49.848	48.455	49.397
P818 Joint Integration and Interoperability	0.000	0.000	66.906	53.270	49.848	48.455	49.397

**A. Mission Description and Budget Item Justification:** The Unified Command Plan 2002 assigned Commander, U.S. Joint Forces Command (USJFCOM) with the mission as the Joint Force Integrator. Additionally, the Chairman Joint Chiefs of Staff (CJCS) designated Commander, USJFCOM as lead agent to transform the Armed Forces. In support of these two missions, USJFCOM Joint Interoperability and Integration (JI&I), located within Headquarters USJFCOM, is responsible for joint interoperability and integration of future and fielded capabilities critical to Joint, Multi-National, and Interagency warfighting operations. USJFCOM JI&I works closely with Combatant Commanders/Services/Agencies (C/S/A) to ensure warfighting deficiencies are identified, develops synchronized Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) capability plans to ensure the warfighter has interoperable capabilities.

In January 2003, USJFCOM's JI&I role was expanded to increase operational through tactical level joint integration of the following capabilities: Common Operational and Tactical Pictures; Combat Identification; Situational Awareness; Adaptive Mission Planning and Rehearsal; Interoperability among Service/Agency intelligence systems; Interoperable Joint Fires, Maneuver, and Intelligence; and Integrated Joint Battle Management Command and Control. In this role, USJFCOM will develop a repeatable Joint Mission Thread interoperability test and assessment methodology for use in evaluating Joint Battle Management Command and Control Roadmap execution and to demonstrate this methodology in Joint Close Air Support.

This program provides assessment of required Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) interoperability for rapid insertion of capabilities across the DOTMLPF spectrum to meet joint warfighters' needs. These capability solutions are achieved through modification of existing or emerging technologies in order to meet unique requirements of the warfighting force.

<b>B. Program Change Summary</b>	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)			
Current BES/President's Budget (FY 2007)	0.000	0.000	66.906
Total Adjustments	0.000	0.000	66.906
Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
Other			66.906

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APPROPRIATION/ BUDGET ACTIVITY

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PE NUMBER AND TITLE

**0607828D8Z - Joint Integration and Interoperability**

As directed by FY 2005 National Defense Authorization Act, JFCOM RDT&E funding for Joint Interoperability and Integration was transferred from Navy program element 0305188N to Defense-Wide program element 0607828D commencing in FY 2007.

FY 2007 funding for Training Transformation was placed in 0305188N BA-7 as a temporary measure until a new program element could be created. Program element 0603757D was subsequently created and funds transferred from 0305188N to 0603757D.

Funding (\$10.000 million in FY 2006 (resident in 0305188N) and \$6.000 million in FY 2007) was provided to develop a repeatable Joint Mission Thread interoperability test and assessment methodology for use in evaluating JBMC2 Roadmap execution. This methodology is to be demonstrated in a Joint Close Air Support pilot program. The FY 2007 funding level was increased by \$4.000 million (from \$6.000 million to \$10.000 million) in order to maintain the FY 2006 level and begin analysis of the second Joint Mission Thread JT&A (JTF C2), to include developing JTF C2 DOTMLPF change requests resulting from the initial analysis. Within the funding provided, JFCOM is to complete the JCAS JMT assessment as a proof of concept of the JT&A methodology.

The \$13.300 million increase in FY 2007 is not a true increase to funds, but a reinstatement to prior funding levels.

**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 Integration and Interoperable systems is measured by successful delivery of systems solutions to Combatant Commands by required delivery dates.

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<b>OSD RDT&amp;E PROJECT JUSTIFICATION (R2a Exhibit)</b>							Date: February 2006	
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 7			PE NUMBER AND TITLE <b>0607828D8Z - Joint Integration and Interoperability</b>				PROJECT <b>P818</b>	
Cost (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
P818	Joint Integration and Interoperability	0.000	0.000	66.906	53.270	49.848	48.455	49.397
<p><b>A. Mission Description and Project Justification:</b> The Unified Command Plan 2002 assigned Commander, U.S. Joint Forces Command (USJFCOM) with the mission as the Joint Force Integrator. Additionally, the Chairman Joint Chiefs of Staff (CJCS) designated Commander, USJFCOM as lead agent to transform the Armed Forces. In support of these two missions, USJFCOM Joint Interoperability and Integration (JI&amp;I), located within Headquarters USJFCOM, is responsible for joint interoperability and integration of future and fielded capabilities critical to Joint, Multi-National, and Interagency warfighting operations. USJFCOM JI&amp;I works closely with Combatant Commanders/Services/Agencies (C/S/A) to ensure warfighting deficiencies are identified, develops synchronized Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) capability plans to ensure the warfighter has interoperable capabilities.</p> <p>In January 2003, USJFCOM's JI&amp;I role was expanded to increase operational through tactical level joint integration of the following capabilities: Common Operational and Tactical Pictures; Combat Identification; Situational Awareness; Adaptive Mission Planning and Rehearsal; Interoperability among Service/Agency intelligence systems; Interoperable Joint Fires, Maneuver, and Intelligence; and Integrated Joint Battle Management Command and Control. In this role, USJFCOM will develop a repeatable Joint Mission Thread interoperability test and assessment methodology for use in evaluating Joint Battle Management Command and Control Roadmap execution and to demonstrate this methodology in Joint Close Air Support.</p>								
<b>B. Accomplishments/Planned Program:</b>								
<b>Accomplishment/Planned Program Title</b>				FY 2005	FY 2006	FY 2007		
Integrated Combat Identification and Situational Awareness Capabilities				0.000	0.000	17.928		
FY 2007 Plans: Implementation of integrated joint forces capabilities through ongoing strategic to tactical situational awareness initiatives are required to eliminate blue force fratricide. USJFCOM JI&I continues efforts to integrate among joint forces efforts to enhance blue force situational awareness. USJFCOM JI&I is continuing to execute Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Combatant Commanders with interoperable combat identification and situational awareness capabilities among United States Forces, Interagencies, and Allied and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.								
<b>Accomplishment/Planned Program Title</b>				FY 2005	FY 2006	FY 2007		
Interoperable Joint Fires and Intel Capabilities				0.000	0.000	12.951		
FY 2007 Plans: USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Combatant Commanders with interoperable Joint Fires (Time Sensitive Targets, Precision Engagement, and Close Air Support) and intelligence capabilities among United States Forces, Interagencies, and Allied and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.								
<b>Accomplishment/Planned Program Title</b>				FY 2005	FY 2006	FY 2007		

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APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 7	PE NUMBER AND TITLE <b>0607828D8Z - Joint Integration and Interoperability</b>	PROJECT <b>P818</b>		
Common Operational and Tactical Pictures Capabilities	0.000	0.000	2.000	
FY 2007 Plans: USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Combatant Commanders with Common Operational and Tactical Pictures capabilities among United States Forces, Interagencies, and Allied and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007	
Integrated Joint Battle Management C2 Capabilities	0.000	0.000	7.800	
USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Combatant Commanders with integrated Joint Battle Management Command and Control capabilities among United States Forces, Interagencies, and Allied and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations. This effort includes mission thread analysis, testing and engineering support.				
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007	
Joint Operational Concepts and Integrated Architectures	0.000	0.000	6.900	
FY 2007 Plans: In support of Joint Battle Management Command and Control (JBMC2), USJFCOM JI&I is responsible to continue to develop, maintain, and update Joint Mission Area Joint Operational Concepts and Integrated Architectures which provides support to the warfighter across the "Range of Military Operations." This Joint Operational Concept will describe the doctrinally-based tasks and activities, operational elements, and the time-phased information flows required to accomplish joint military operations. The Joint Integrated Architecture efforts will be utilized to assess and analyze doctrine, Concept of Operations (CONOPS), Tactical Technical Procedures (TTPs), system and procedural interoperability, processes, and synchronization issues that impact Joint Forces. The Joint Operational Concepts and Integrated Architectures provide the baseline to identify warfighter requirements and were developed in close coordination with OSD, Joint Staff, Combatant Commands, and Services.				
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007	
Integrated Service and Agency Intelligence Capabilities	0.000	0.000	2.145	
FY 2007 Plans: USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Combatant Commanders with Integrated Service and Agencies Intelligence capabilities among United States Forces, Interagencies, and Allied and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007	
Ability to Exchange Information Between Multiple Security Domains	0.000	0.000	3.452	
FY 2007 Plans: USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Combatant Commanders the ability to exchange information between multiple security domains among United States Forces, Interagency, and Allied and Coalition Forces in support of the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
Accomplishment/Planned Program Title	FY 2005	FY 2006	FY 2007	
Define Operational Requirements and Functional Concepts	0.000	0.000	2.350	
FY 2007 Plans: USJFCOM JI&I will continue to execute Secretary of Defense and Chairman Joint Chiefs of Staff directives to define operational requirements and functional concepts for Department of Navy Deployable Joint Command and Control which supports integration with Joint Battle Management and Control, Standing Joint Force Headquarters, and Service Battle Management Command and Control capabilities and goals.				

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<b>OSD RDT&amp;E PROJECT JUSTIFICATION (R2a Exhibit)</b>		Date: February 2006	
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 7	PE NUMBER AND TITLE <b>0607828D8Z - Joint Integration and Interoperability</b>		PROJECT <b>P818</b>
<b>Accomplishment/Planned Program Title</b>	FY 2005	FY 2006	FY 2007
Accelerated Combatant Commander Solutions	0.000	0.000	1.380
FY 2007 Plans: USJFCOM JI&I will continue to identify the Combatant Commanders' warfighting shortfalls and work with Services and Agencies to identify and define DOTMLPF capability solutions. USJFCOM JI&I will identify operational problems applicable from the Joint Task Force down to the Tactical Level and those areas where assistance is necessary to achieve operational enhancements with US, and Allied and Coalition forces.			
<b>Accomplishment/Planned Program Title</b>	FY 2005	FY 2006	FY 2007
Integrated Joint Command and Control Capabilities	0.000	0.000	10.000
FY 2007 Plans: USJFCOM JI&I will continue to integrate joint command and control capabilities.			
<b><u>C. Other Program Funding Summary:</u></b> Not Applicable.			
<b><u>D. Acquisition Strategy:</u></b> Not Applicable.			
<b><u>E. Major Performers</u></b> Not Applicable.			

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OSD RDT&E COST ANALYSIS (R3)										Date: February 2006		
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 7			PE NUMBER AND TITLE <b>0607828D8Z - Joint Integration and Interoperability</b>							PROJECT <b>P818</b>		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
Project Total Cost:			0									

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