

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification					DATE: <b>February 2007</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY</b>			BA-7		R-1 ITEM NOMENCLATURE 0305188N - Joint C4ISR Battle Center (JBC)			
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	50.109	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3043 - Joint Interoperability and Integration (JI&I)	50.109	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles								
<p><b>In accordance with the FY 2005 National Defense Authorization Act, RDT&amp;E funding for Joint Forces Command transfers from Navy to Defense-Wide beginning in FY 2007. The new program element is changed from 0305188N BA 7 to 0607828D BA 7.</b></p> <p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM 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 addition, on January 7, 2003, the Deputy Secretary of Defense directed expansion of the USJFCOM JI&amp;I role 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. Evidencing this increased mission, on December 22, 2004, the Deputy Secretary of Defense directed baseline funds of \$10M in FY 2006 be provided for USJFCOM to 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> <p><b>(U) JUSTIFICATION FOR BUDGET ACTIVITY:</b>                      This program is funded under Operational Systems Development because it provides rapid assessment of required Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) interoperability, as well as rapid insertion of capabilities across the DOTMLPF spectrum that meet the joint war fighter's need.</p>								

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<b>RDT&amp;E, N / BA-7</b>	0305188N - Joint C4ISR Battle Center (JBC)	3043-Joint Interoperability and Integration (JI&I)		
<b>(U) C. PROGRAM CHANGE SUMMARY:</b>				
(U) Funding:	FY 2006	FY 2007	FY 2008	FY 2009
FY 07 President's Budget	67,255	0	0	0
FY 08/09 President's Budget Submit	50,109	0	0	0
Total Adjustments	<u>(17,146)</u>			
Summary of Adjustments				
Program Adjustments	(16,000)			
SBIR Assessment	(1,470)			
Congressional Adjustments	324			
	<u>(17,146)</u>	0	0	0
 (U) Schedule:				
Not Applicable				
 (U) Technical:				
Not				Applicable

Exhibit R-2, RDTEN Budget Item Justification

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: <b>February 2007</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0305188N - Joint C4ISR Battle Center (JBC)	PROJECT NUMBER AND NAME 3043-Joint Interoperability and Integration (JI&I)		
<b>(U) B. Accomplishments/Planned Program</b>				
	FY 06	FY 07	FY 08	FY 09
Integrated Combat Identification and Situational Awareness Capabilities	3.498			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> Implementation of these capabilities through ongoing strategic to tactical situational awareness initiatives are required to eliminate blue force fratricide. USJFCOM JI&amp;I continued to execute the Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Regional and Functional Combatant Commanders with interoperable combat identification and situational awareness capabilities among United States Forces, Inter-Agency, and Allied, and Coalition Forces in support of the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>				
	FY 06	FY 07	FY 08	FY 09
Interoperable Joint Fires and Intel Capabilities	19.790			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> USJFCOM JI&amp;I continued to execute the Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Regional and Functional Combatant Commanders with interoperable Joint Fires (Time Sensitive Targets, Precision Engagement, and Close Air Support) and intelligence capabilities among United States Forces, Inter-Agency, and Allied, and coalition Forces in support of the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>				
	FY 06	FY 07	FY 08	FY 09
Common Operational and Tactical Pictures Capabilities	9.514			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> USJFCOM JI&amp;I continued to execute the Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Regional and Functional Combatant Commanders with Common Operational and Tactical Pictures capabilities among United States Forces, Inter-Agency, and Allied, and Coalition Forces in support of the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>				

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 06	FY 07	FY 08	FY 09
Integrated Joint Battle Management C2 Capabilities	6.132			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> Completed and signed by CDR USJFCOM, OUSD (AT&amp;L) and Vice-Chairman, Joint Chiefs of Staff (VCJCS) the Joint Battle Management Command and Control (JBMC2) Roadmap Version 2.0 (20 Jan 06), developed JBMC2 Campaign Plan, developed Joint Close Air Support (JCAS) Integrated Product Team charters, developed Desk Top Analysis handbook, baselined the Joint Capabilities Mapping Environment (architecture tool), executed JCAS Desktop Analysis, developed JCAS Assessment Annex A to Campaign Plan, developed JCAS Test Plan and Procedures for Events 1-2, developed JCAS Analysis Plan for Events 1-2, developed Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) Change Requests resulting from the JCAS Desktop Analysis efforts, participated in the Command and Control (C2) Capabilities Based Assessment (CBA) development effort, participated in the Integrated Air and Missile Defense (IAMD) Capabilities Based Assessment (CBA) development effort, developed Single Integrated Air Picture (SIAP) Capability Development Document (CDD), baselined Joint Task Force (JTF) Core HQ Architecture Increment #1, developed and approved the Global Joint Battle Management Command and Control (GJBMC2) Operational Concept, developed the GJBMC2 Concept of Operations (CONOPs), established Time Sensitive Targeting Community of Interest (COI), and developed the Roadmap Coalition Chapter/Annex. Executed JCAS operators' digital JCAS capability requirements surveys with the Combatant Commanders (COCOMs) to identify the priority issues to scope future Joint Digital Close Air Support (CAS) assessment and also determine the use rate of current Joint Terminal Attack Controller (JTAC) digital suites with JCAS Aircraft (what was not used and determined why). Investigated doctrinal and Tactical Technical Procedures (TTP) shortfalls with respect to digital CAS (e.g., target centric approach vs. initial point). Recommend updates to Joint Publication (JP) 3-09.3, Air Land Sea Application Center (ALSA) Joint Fires Pub, JCAS Mission Area (MA) Initial Capabilities Document (ICD). Participated in Joint Effects Targeting System (JETS) ICD and Analysis of Alternatives (AoA) efforts to ensure COCOM identified issues are addressed for this next generation solution for Joint Digital CAS (continued liaison with JETS Team/F-35 Program Managers (PMs). Conducted warfighter assessment (low cost improvements) for enhancing CAS (e.g. Strikelink capability in aircraft, JTAC to AC-130, Gateways, and Imagery &amp; video (Franken Pod/Lightening Rod Pod) ROVER III).</p>				
	FY 06	FY 07	FY 08	FY 09
Joint Operational Concepts and Integrated Architectures	3.297			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> In support of Joint Battle Management Command and Control (JBMC2), USJFCOM JI&amp;I continued to develop, maintain, and update Joint Mission Area Joint Operational Concepts and Integrated Architectures which provided support to the warfighter across the "Range of Military Operations." This Joint Operational Concept described 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 were 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 provided the baseline to identify warfighter requirements and were developed in close coordination with OSD, Joint Staff, COCOMs, and Services.</p>				
	FY 06	FY 07	FY 08	FY 09
Integrated Service and Agencies Intelligence Capabilities	2.626			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> USJFCOM JI&amp;I continued to execute the Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Regional and Functional Combatant Commanders with integrated Service and Agencies Intelligence capabilities among United States Forces, Interagencies, and Allied, and Coalition Forces in support of the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>				

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EXHIBIT R-2a, RDT&E Project Justification			DATE: <b>February 2007</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0305188N - Joint C4ISR Battle Center (JBC)	PROJECT NUMBER AND NAME 3043-Joint Interoperability and Integration (JI&I)		
<b>(U) B. Accomplishments/Planned Program</b>				
	FY 06	FY 07	FY 08	FY 09
Ability to Exchange Information Between Multiple Security Domains	2.037			
RDT&E Articles Quantity				
<b>FY06 Accomplishments:</b> USJFCOM JI&I continued to execute the Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Regional and Functional 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.				
	FY 06	FY 07	FY 08	FY 09
Define Operational Requirements and Functional Concepts	1.316			
RDT&E Articles Quantity				
<b>FY06 Accomplishments:</b> USJFCOM JI&I continued to execute the 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 BMC2, Standing Joint Force Headquarters, and Service Battle Management Command and Control capabilities and goals.				
	FY 06	FY 07	FY 08	FY 09
Enroute Mission Capabilities	0.565			
RDT&E Articles Quantity				
<b>FY06 Accomplishments:</b> Continued efforts to provide command and control communications (both onsite and remote) capabilities across the Regional Combatant Commanders and Service Components to support the Global War on Terrorism (GWOT) and in multiple theaters of operations.				

Exhibit R-2a, RDTEN Project Justification

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0305188N - Joint C4ISR Battle Center (JBC)	PROJECT NUMBER AND NAME 3043-Joint Interoperability and Integration (JI&I)		
<b>(U) B. Accomplishments/Planned Program</b>				
	FY 06	FY 07	FY 08	FY 09
Combatant Commander Capability Office (C3O)	0.154			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> USJFCOM JI&amp;I continued to identify the Combatant Commanders' warfighting shortfalls. The C3O collect and identify commander requirements, coordinate the prioritization of the information into COCOM issue categories, and subsequently worked with Services and Agencies to identify and define DOTMLPF capability solutions. The C3O identifies the 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, Allied, and Coalition forces.</p>				
	FY 06	FY 07	FY 08	FY 09
T2 Architecture Support of Joint Training Environment	1.180			
RDT&E Articles Quantity				
<p><b>FY06 Accomplishments:</b> USJFCOM JNTC developed the new overarching Training Transformation (T2) architecture to support the Joint training environment as tasked by the Deputy Secretary of Defense (DEPSECDEF) in the DoD T2 Implementation Plan. Mission planning and rehearsal capabilities was developed within the operational environment utilizing rapid spiral development methodology to establish a real-time simulation emphasizing crisis-action planning, joint force organization, and mission rehearsal to meet Combatant Commanders' requirements while providing a realistic system that enables the warfighter to learn, improvise, and adapt rapidly to constantly changing threats.</p>				

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<p><b>(U) D. OTHER PROGRAM FUNDING SUMMARY:</b></p> <table><thead><tr><th><u>Line Item No. &amp; Name</u></th><th><u>FY 2006</u></th></tr></thead><tbody><tr><td>Not Applicable</td><td></td></tr></tbody></table> <p><b>(U) E. ACQUISITION STRATEGY:</b> Not Applicable</p> <p><b>(U) F. MAJOR PERFORMERS:</b> NONE</p> <p><b>(U) G. PERFORMANCE METRICS:</b></p>			<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	Not Applicable	
<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>					
Not Applicable						

Exhibit R-2a, RDTEN Project Justification

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)								DATE: <b>February 2007</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NUMBER AND NAME				
RDT&E, N / BA-7			0305188N - Joint C4ISR Battle Center (JBC)					3043-Joint Interoperability and Integration (JI&I)				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development											0.000	0.000
Ancillary Hardware Development											0.000	0.000
Systems Engineering											0.000	0.000
Licenses											0.000	0.000
Tooling											0.000	0.000
GFE											0.000	0.000
Award Fees											0.000	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Development Support											0.000	0.000
Software Development											0.000	0.000
Training Development											0.000	0.000
Integrated Logistics Support											0.000	0.000
Configuration Management											0.000	0.000
Technical Data											0.000	0.000
GFE											0.000	0.000
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)								DATE: <b>February 2007</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NUMBER AND NAME				
RDT&E, N / BA-7			0305188N - Joint C4ISR Battle Center (JBC)					3043-Joint Interoperability and Integration (JI&I)				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Contractor Support	C-CPFF	Science Application International Corp.	5.100							Continuing	Continuing	0.000
Government Support	MIPR	Various DoD	42.539							Continuing	Continuing	0.000
Contractor Support	C-CPFF	Old Dominion University	2.010							Continuing	Continuing	0.000
Contractor Support	C-CPFF	General Dynamics	0.358							Continuing	Continuing	0.000
Travel		Various DoD	0.102							Continuing	Continuing	0.000
												0.000
Subtotal T&E			50.109							Continuing	Continuing	0.000
Remarks:												
Contractor Engineering Support											0.000	0.000
Government Engineering Support											0.000	0.000
Program Management Support											0.000	0.000
Travel											0.000	0.000
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Total Cost			50.109	0.000		0.000		0.000		Continuing	Continuing	0.000
Remarks:												

EXHIBIT R4, Schedule Profile																								DATE: <b>February 2007</b>				
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>								PROGRAM ELEMENT NUMBER AND NAME 0305188N - Joint C4ISR Battle Center (JBC)								PROJECT NUMBER AND NAME 3043-Joint Interoperability and Integration (JI&I)												
Fiscal Year	2006																											
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Acquisition Milestones</b>																												
Prototype Phase																												
System Development (e.g., Radar System dev.)	NO TITLE 10 ACQUISITION AUTHORITY / FORM NOT APPLICABLE																											
Equipment Delivery (e.g., EDM Radar Delivery)																												
Software 1XXSW Delivery 2XXSW Delivery																												
<b>Test &amp; Evaluation Milestones</b>																												
Development Test																												
Operational Test																												
<b>Production Milestones</b>																												
LRIP I																												
LRIP II																												
FRP																												
Deliveries																												

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE: <b>February 2007</b>			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT				PROJECT NUMBER AND NAME				
<b>RDT&amp;E, N BA-7</b>	0305188N - Joint C4ISR Battle Center (JBC)				3043-Joint Interoperability and Integration (JI&I)				
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Prototype Phase									
System Design Review (SDR)									
Milestone II (MSII)									
Contract Preparation									
Software Specification Review (SSR)									
Preliminary Design Review (PDR)									
System Development									
Critical Design Review (CDR)									
Quality Design and Build									
Test Readiness Review (TRR)									
Developmental Testing (DT-IIA)									
Eng Dev Model (EDM) Radar Delivery - Lab	<b>NO TITLE 10 ACQUISITION AUTHORITY / FORM NOT APPLICABLE</b>								
Software Delivery 1XXSW									
Preproduction Readiness Review (PRR)									
EDM Radar Delivery - Flt Related									
Milestone C (MS C)									
Operational Testing (OT-IIA)									
Start Low-Rate Initial Production I (LRIP I)									
Software Delivery 2XXSW									
Developmental Testing (DT-IIB1)									
Developmental Testing (DT-IIB2)									
Start Low-Rate Initial Production II									
Operational Testing (OT-IIB)									
Developmental Testing (DT-IIC)									
Functional Configuration Audit (FCA)									
Low-Rate Initial Production I Delivery									
Technical Evaluation (TECHEVAL)									
Physical Configuration Audit									
Operational Evaluation (OT-IIC) (OPEVAL)									
Low-Rate Initial Production II Delivery									
IOC									
Full Rate Production (FRP) Decision									
Full Rate Production Start									
First Deployment									

Exhibit R-4a, Schedule Detail