

<b>CLASSIFICATION:</b>								
EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2005</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 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	43.392	44.238	55.326	50.906	46.370	47.648	48.655	49.597
2456 - Joint (C4ISR) Battle Center	8.074							
3011 - Joint Battle Management Command & Control	25.359							
3043 - Joint Interoperability and Integration	8.036	43.176	55.326	50.906	46.370	47.648	48.655	49.597
9431 - Joint Enroute Mission Planning and Rehearsal	1.923							
9649 - Ice Protection Technologies for UAVs		1.062						
Quantity of RDT&E Articles								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Unified Command Plan 2002 assigned Commander, 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, the Department of Defense expanded 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. Funds for this increased effort are budgeted in projects 3011 and 3043.</p> <p>MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it provides rapid assessment of required C4ISR interoperability, as well as rapid insertion of capabilities across the DOTMLPF spectrum that meet the joint warfighter's need.</p>								

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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 2456 - Joint (C4ISR) Battle Center			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	<b>8.074</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Joint Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Battle Center (JBC) is the U.S. Joint Forces Command (JFCOM) and Chairman, Joint Chiefs of Staff (CJCS) facility for warfighter exploration and assessment of C4ISR capabilities. The Center provides the combatant commands, at the Joint Task Force (JTF) level, with a near-term joint assessment and experimental environment for the warfighter and technologist in support of Joint Vision 2020 (JV2020). It serves as the technical analysis and assessment agency for the Joint Requirement Operating Council (JROC) in determining C4ISR system "value-added" PRIOR to introduction to the Combatant Commanders and in advance of system fielding in operational environments. The intent is for the JBC to be a forcing function for joint synchronization and a means to foster rapid, near-term insertion of C4ISR technology. The mission of the JBC is to provide rapid assessment of required C4ISR interoperability and warfighter utility, join emerging C4ISR technology with new operational doctrine, and result in fielding C4ISR capabilities that meet the joint warfighter's needs.</p> <p>Realigned to PE 0604787 project 3021 beginning in FY05.</p>								

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**(U) B. Accomplishments/Planned Program**

	FY 04	FY 05	FY 06	FY 07
<b>CCs REQMTS ANALYSIS &amp; CAPABILITY ASSESSMENTS</b>	5.358			
RDT&E Articles Quantity				

**FY04 ACCOMPLISHMENTS:**  
**FY04 CCs Requirements Analysis and Capability Assessments:** Analyzed near-term requirements from all Combatant Commanders, identified current mature technology available to address these requirements, performed comprehensive assessment for jointness, maturity, and warfighter utility. JBC projects were nominated to meet Combatant Commanders and Joint Force transformational requirements for the fiscal year. Those submitted to the Joint Staff for approval were subsequently approved for fiscal year programming.

	FY 04	FY 05	FY 06	FY 07
<b>DOTMLP-F JROC RECOMMENDATIONS</b>	0.648			
RDT&E Articles Quantity				

**FY04 ACCOMPLISHMENTS:**  
**FY04 DOTMLP-F JROC Recommendations:** Provided Doctrine, Organizational, Training, Material, Leadership, Personnel, and Facilities (DOTMLP-F) recommendations on fielding strategies for Joint Requirement Oversight Council (JROC) endorsement. Recommendations were based on results from technology assessments, which identify relevant Service programs, doctrinal impacts, training implications, personnel requirements, etc.

	FY 04	FY 05	FY 06	FY 07
<b>JOINT CONCEPT DEVELOPMENT &amp; EQUIP SUP</b>	1.564			
RDT&E Articles Quantity				

**FY04 ACCOMPLISHMENTS:**  
**FY04 Joint Concept Development and Experimentation Support:** Supported the Unified Vision series of experiments and preparation of Olympic Challenge and Pinnacle series of events. Provided support for Limited Objective Experiments and Multi-national experimentation efforts.

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<b>(U) B. Accomplishments/Planned Program</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th><th style="width: 15%;">FY 06</th><th style="width: 15%;">FY 07</th></tr></thead><tbody><tr><td><b>FEDERATED JOINT C2 LABORATORIES</b></td><td>0.504</td><td></td><td></td><td></td></tr><tr><td>RDT&amp;E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"><p><b>FY04 ACCOMPLISHMENTS:</b> <b>FY04 Federated Joint C2 Laboratories:</b> The FJCL is a voluntary consortium of the JBC, the Service Battle Centers/Laboratories, Combatant Commanders, Agencies and other DoD organizations formed to promote near-term Joint C4ISR solutions to JTF operational needs/issues. The JBC, as chairman of the consortium, provided annual funding to support Service efforts through project experimentation/assessment. The CFBL is a consortium of nations and international organizations formed to evaluate combined C4ISR interoperability shortfalls, assess potential solutions through the utilization of agreed upon phased assessment procedures, reported the results of those assessments, and made recommendations in order to foster improved combined CIS for the explicit purpose of promoting near-term concepts and acceptance of solutions.</p></div>						FY 04	FY 05	FY 06	FY 07	<b>FEDERATED JOINT C2 LABORATORIES</b>	0.504				RDT&E Articles Quantity				
	FY 04	FY 05	FY 06	FY 07															
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**(U) C. PROGRAM CHANGE SUMMARY:**

(U) Funding:	FY 2004	FY 2005	FY 2006	FY 2007
FY 05 President's Budget	8.521	0.000	0.000	0.000
FY 06 President's Budget	8.074	0.000	0.000	0.000
Total Adjustments	-0.447	0.000	0.000	0.000

Summary of Adjustments

SBIR	-0.231			
Reprogrammings	-0.216			
Subtotal	-0.447	0.000	0.000	0.000

(U) Schedule:  
Not Applicable

(U) Technical:  
Not Applicable

**(U) D. OTHER PROGRAM FUNDING SUMMARY:**

<u>Line Item No. &amp; Name</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total Cost</u>
Not Applicable										

**(U) E. ACQUISITION STRATEGY: \***

FY 2004. The JBC does not have a major contract for their RDT&E efforts. Equipment required to support our various projects are either bought from other service contracts and/or from the GSA schedule. Services are provided by other services and/or various vendors with expertise on a specific assessment we are accomplishing.

**(U) F. MAJOR PERFORMERS:**

None.

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COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	25.359	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Unified Command Plan 2002 assigned Commander, 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, the Department of Defense expanded 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. Funds for this increased effort are budgeted in projects 3011 and 3043.</p>								

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
<b>FY04 Combatant Commander Capability Office (C3O)</b>	0.672			
RDT&E Articles Quantity				
<p><b>FY04 Combatant Commander Capability Office (C3O):</b> USJFCOM JI&amp;I identified the Combatant Commanders Joint Battle Management Command and Control (JBMC2) requirements. The C3O collected Joint BMC2 information from each of the COCOM's, coordinated the prioritization of the information into COCOM's Joint BMC2 issue categories, and then worked with Services, and Agencies to identify and define DOTMLPF capability solutions. The C3O identified 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 04	FY 05	FY 06	FY 07
<b>FY04 Joint Operational Concepts and Integrated Architectures</b>	1.735			
RDT&E Articles Quantity				
<p><b>FY04 Joint Operational Concepts and Integrated Architectures:</b> In support of Joint Battle Management Command and Control (JBMC2), USJFCOM JI&amp;I was responsible for developing, maintaining, and updating Joint Mission Area Joint Operational Concepts and Integrated Architectures which supported the warfighter across the "Range of Military Operations." This Joint Operational Concept efforts 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, 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 was developed in close coordination with OSD, Joint Staff, COCOMs, and Services.</p>				

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**(U) B. Accomplishments/Planned Program**

	FY 04	FY 05	FY 06	FY 07
<b>Operational Requirement and Function Constructs</b>	0.454			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives to define operational requirements and functional constructs for Department of Navy Deployable Joint Command and Control which supported integration with Joint BMC2, Standing Joint Force Headquarters, and Service Battle Management Command and Control capabilities and goals.

  

	FY04	FY 05	FY 06	FY 07
<b>Joint En-route Mission Planning and Rehearsal capabilities</b>	0.500			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff which provided **Joint En-route Mission Planning and Rehearsal capabilities** across the Regional Combatant Commanders and Service Components to support the Global War on Terrorism (GWOT) and in multiple theaters of operations.

  

	FY04	FY 05	FY 06	FY 07
<b>Ability to Exchange Information Between Multiple Security Domains</b>	2.212			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives which provided Regional and Functional Combatant Commanders the **ability to exchange information between multiple security domains** 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.

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<b>Defense Collaborative Planning Tool Suite (DCTS) capabilities</b>	0.916																		
RDT&E Articles Quantity																			
<p><b>FY04:</b> USJFCOM JI&amp;I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives which provided Regional and Functional Combatant Commanders and Service Components <b>Defense Collaborative Planning Tool Suite (DCTS) capabilities</b> to support the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>																			
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<b>Dynamic Bandwidth Capabilities</b>	0.269																		
RDT&E Articles Quantity																			
<p><b>FY04:</b> USJFCOM JI&amp;I executed Secretary of Defense and Chairman Joint Chiefs of Staff efforts which provided Regional and Functional Combatant Commanders the ability with <b>dynamic bandwidth capabilities</b> among United States Forces, Interagencies, Allied, and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>																			

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**(U) B. Accomplishments/Planned Program**

	FY04	FY 05	FY 06	FY 07
<b>Integrated Service and Agencies Intelligence Capabilities</b>	1.857			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives which provided Regional and Functional Combatant Commanders with **integrated Service and Agencies Intelligence capabilities** among United States Forces, Interagencies, Allied, and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.

	FY04	FY 05	FY 06	FY 07
<b>Integrated Combat Identification and Situational Awareness Capabilities</b>	1.501			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives which provided Regional and Functional Combatant Commanders with **integrated 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.

	FY04	FY 05	FY 06	FY 07
<b>Joint Task Force (JTF) Command and Control (C2) Legacy Shortfalls</b>	2.473			
RDT&E Articles Quantity				

**FY04:** USJFCOM JI&I executed Joint Requirement Oversight Council endorsed prioritized recommendations to address critical Joint Task Force (JTF) Command and Control (C2) legacy shortfalls as tasked by the Deputy Secretary of Defense (DepSecDef). The recommendations resolve critical JTF interoperability and integration efforts associated with Command and Control (C2) between the Operational and Tactical Level of operations; Improvements in Situational Awareness (SA) between the Strategic, Operational, and Tactical Levels of war; Improvements in US Service integration of Intelligence, Surveillance, and Reconnaissance (ISR) assets utilized in Intelligence Preparation of the Battlefield (IPB) and Information Operations (IO); Improvements in Information Management (IM) exploitation at the Operational Level of war and protection against attack; Improvements in Information Assurance (IA) for coordination among and between Multi-National and Interagency efforts for on-going global operations.

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY04	FY 05	FY 06	FY 07
<b>Common Operational and Tactical Pictures Capabilities</b>	4.527			
RDT&E Articles Quantity				
<b>FY04:</b> USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff directives which provided Regional and Functional Combatant Commanders with <b>Common Operational and Tactical Pictures capabilities</b> 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.				
	FY04	FY 05	FY 06	FY 07
<b>Interoperable Joint Fires, Maneuver, and Intelligence Capabilities</b>	3.022			
RDT&E Articles Quantity				
<b>FY04:</b> USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff efforts which provided Regional and Functional Combatant Commanders with <b>Interoperable Joint Fires, Maneuver, and Intelligence capabilities</b> among United States Forces, Interagencies, Allied, and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
	FY04	FY 05	FY 06	FY 07
<b>Integrated Joint Battle Management Command and Control Capabilities</b>	5.221			
RDT&E Articles Quantity				
<b>FY04:</b> USJFCOM JI&I executed Secretary of Defense and Chairman Joint Chiefs of Staff efforts which provided Regional and Functional Combatant Commanders with <b>integrated Joint Battle Management Command and Control capabilities</b> among United States Forces, Interagencies, Allied, and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				

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<b>CLASSIFICATION:</b>								
EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2005</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		
COST (\$ in Millions)		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
Project Cost		<b>8.036</b>	<b>43.176</b>	<b>55.326</b>	<b>50.906</b>	<b>46.370</b>	<b>47.648</b>	<b>48.655</b>
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Unified Command Plan 2002 assigned Commander, 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, the Department of Defense expanded 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. Funds for this increased effort are budgeted in projects 3011 and 3043.</p> <p>Funds provided for Training Transformation will provide an overarching T2 architecture to provide interoperability of live, virtual and constructive training systems with C4ISR systems, distributed learning services, digital knowledge tools/libraries, and embedded training systems. Funds will complement JFCOM efforts to supply an overall architecture utilizing the mandated DoD Architecture Framework and compliant with the DoD Information Technology Standards Registry. This will support the design and implementation of an interoperable, globally distributed and deployable training/mission rehearsal capability consistent with Combatant Commanders' requirements.</p>								

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Integrated Combat Identification and Situational Awareness Capabilities	0.560	3.265	10.200	8.100
RDT&E Articles Quantity				
<b>FY04-07 Integrated Combat Identification and Situational Awareness Capabilities:</b> Implementation of these 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 Regional and Functional 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.				
	FY 04	FY 05	FY 06	FY 07
Interoperable Joint Fires and Intel Capabilities	0.594	13.500	15.900	13.500
RDT&E Articles Quantity				
<b>FY04-07 Interoperable Joint Fires and Intel Capabilities:</b> USJFCOM JI&I is continuing to execute 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, Interagencies, and Allied, and coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
	FY 04	FY 05	FY 06	FY 07
Common Operational and Tactical Pictures Capabilities	0.438	6.227	10.100	10.000
RDT&E Articles Quantity				
<b>FY04-07 Common Operational and Tactical Pictures Capabilities:</b> USJFCOM JI&I is continuing to execute 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, Interagencies, and Allied, and Coalition Forces in support to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Integrated Joint Battle Management C2 Capabilities	0.924	8.100	6.500	6.900
RDT&E Articles Quantity				
<b>FY04-07 Integrated Joint Battle Management Command and Control Capabilities:</b> USJFCOM JI&I is continuing to execute Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Regional and Functional 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.				
	FY 04	FY 05	FY 06	FY 07
Joint Operational Concepts and Integrated Architectures	0.584	3.400	3.500	3.500
RDT&E Articles Quantity				
<b>FY04-07 Joint Operational Concepts and Integrated Architectures:</b> In support of Joint Battle Management Command and Control (BMC2), USJFCOM JI&I is responsible to develop, maintain, and update Joint Mission Area Joint Operational Concepts and Integrated Architectures which support to the warfighter across the "Range of Military Operations." This Joint Operational Concept efforts 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, COCOMs, and Services.				
	FY 04	FY 05	FY 06	FY 07
Integrated Service and Agencies Intelligence Capabilities	0.681	3.000	3.000	2.440
RDT&E Articles Quantity				
<b>FY04-07 Integrated Service and Agencies Intelligence Capabilities :</b> USJFCOM JI&I is continuing to execute 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 to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Ability to Exchange Information Between Multiple Security Domain	0.924	1.500	2.163	2.110
RDT&E Articles Quantity				
<b>FY04-07 Ability to Exchange Information Between Multiple Security Domains:</b> USJFCOM JI&I is continuing to execute 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 to the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
	FY 04	FY 05	FY 06	FY 07
Define Operational Requirements and Functional Concepts	0.170	0.550	2.000	2.300
RDT&E Articles Quantity				
<b>FY04-07 Define Operational Requirements and Functional Concepts:</b> USJFCOM JI&I is continuing 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 BMC2, Standing Joint Force Headquarters, and Service Battle Management Command and Control capabilities and goals.				
	FY 04	FY 05	FY 06	FY 07
En-route Mission Capabilities	1.070	2.000	0.600	0.600
RDT&E Articles Quantity				
<b>FY04-07 Enroute Mission Capabilities:</b> To continue 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.				

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Combatant Commander Capability Office (C3O)	0.292	1.634	0.163	0.158
RDT&E Articles Quantity				
<b>FY04-07 Combatant Commander Capability Office (C3O):</b> USJFCOM JI&I will continue to identify the Combatant Commanders' warfighting shortfalls. The C3O will collect and identify commander requirements, coordinate the prioritization of the information into COCOM issue categories, and subsequently work 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.				
	FY 04	FY 05	FY 06	FY 07
Defense Collaborative Planning Tool Suite (DCTS) capabilities	0.340	0.000	0.000	0.000
RDT&E Articles Quantity				
<b>FY04 Defense Collaborative Planning Tool Suite (DCTS) capabilities:</b> USJFCOM JI&I is continuing to execute Secretary of Defense and Chairman Joint Chiefs of Staff directives to provide Regional and Functional Combatant Commanders and Service Components Defense Collaborative Planning Tool Suite (DCTS) capabilities to support the Global War on Terrorism (GWOT) and in multiple theaters of operations.				
	FY 04	FY 05	FY 06	FY 07
Dynamic Bandwidth Capabilities	0.632	0.000	0.000	0.000
RDT&E Articles Quantity				
<b>FY04 Dynamic Bandwidth Capabilities:</b> USJFCOM JI&I is continuing to execute Secretary of Defense and Chairman Joint Chiefs of Staff efforts to provide Regional and Functional Combatant Commanders the ability with dynamic bandwidth 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.				

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<b>(U) B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Critical JTF Command and Control (C2) Legacy Shortfalls	0.827	0.000	0.000	0.000
RDT&E Articles Quantity				
<b>FY04 Critical Joint Task Force (JTF) Command and Control (C2) Legacy Shortfalls:</b> USJFCOM JI&I is continuing to execute Joint Requirement Oversight Council endorsed prioritized recommendations to address critical Joint Task Force (JTF) Command and Control (C2) legacy shortfalls as tasked by the Deputy Secretary of Defense (DepSecDef). The recommendations resolve critical JTF interoperability and integration efforts associated with Command and Control (C2) between the Operational and Tactical Level of operations; Improvements in Situational Awareness (SA) between the Strategic, Operational, and Tactical Levels of war; Improvements in US Service integration of Intelligence, Surveillance, and Reconnaissance (ISR) assets utilized in Intelligence Preparation of the Battlefield (IPB) and Information Operations (IO); Improvements in Information Management (IM) exploitation at the Operational Level of war and protection against attack; Improvements in Information Assurance (IA) for coordination among and between Multi-National and Interagency efforts for on-going global operations.				
	FY 04	FY 05	FY 06	FY 07
Development of the New Overarching T2 Architecture			1.200	1.300
RDT&E Articles Quantity				
<b>FY06-07:</b> SJFCOM JNTC will develop the new overarching 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 will be 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.				

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<b>(U) C. PROGRAM CHANGE SUMMARY:</b>									
(U) Funding:	FY 2004	FY 2005	FY 2006	FY 2007					
FY 05 President's Budget	8.269	43.569	43.875	43.228					
FY 06 President's Budget	8.036	43.176	55.326	50.906					
Total Adjustments	-0.233	-0.393	11.451	7.678					
Summary of Adjustments									
Congressional Adjustments									
Congressional Recissions		-0.384							
Reprogrammings	-0.008	-0.009							
Programmatic Adjustments			11.209	7.288					
Economic Assumptions			0.433	0.556					
Pricing Adjustments			-0.191	-0.166					
SBIR/STTR Transfers	-0.225								
Subtotal	-0.233	-0.393	11.451	7.678					
(U) Schedule:									
Not Applicable									
(U) Technical:									
Not Applicable									
<b>(U) D. OTHER PROGRAM FUNDING SUMMARY:</b>									
<u>Line Item No. &amp; Name</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	To <u>Complete</u>
Not Applicable									
<b>(U) E. ACQUISITION STRATEGY: *</b>									
Not Applicable									
<b>(U) F. MAJOR PERFORMERS:</b>									
NONE									

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APPROPRIATION/BUDGET ACTIVITY <b>RDTE&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																									
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<u>Line Item No. &amp; Name</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total Cost</u>																					
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* Not required for Budget Activities 1,2,3, and 6																															

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UNCLASSIFIED

<b>CLASSIFICATION:</b>												
Exhibit R-3 Cost Analysis (page 1)										DATE: <b>February 2005</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDTE, N / BA-7</b>			PROGRAM ELEMENT 0305188N - Joint C4ISR Battle Center (JBC)			PROJECT NUMBER AND NAME 3043 - Joint Interoperability and Integration						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 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	Various	Various DoD				0.778	10/05	0.842	10/06	Continuing	Continuing	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		0.778		0.842		0.000	1.620	0.000
Remarks:												
Development Support	Various	Various DoD				0.419	10/05	0.454	10/06	Continuing	Continuing	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		0.419		0.454		0.000	0.873	0.000
Remarks:												

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<b>CLASSIFICATION:</b>												
Exhibit R-3 Cost Analysis (page 2)										DATE: <b>February 2005</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>				PROGRAM ELEMENT 0305188N - Joint C4ISR Battle Center (JBC)			PROJECT NUMBER AND NAME 3043 - Joint Interoperability and Integration					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Contractor Support	C-CPFF	SAIC	5.225	4.515	10/04	5.100	10/05	5.077	10/06	Continuing	Continuing	0.000
Government Support	MIPR	Various DoD	17.599	36.323	Various	46.559	Various	42.114	Various	Continuing	Continuing	0.000
Contractor Support	C-CPFF	ODU	1.530	1.886	04/05	2.010	04/06	1.951	04/07	Continuing	Continuing	0.000
Contractor Support	C-CPFF	GD	1.820	0.352	11/04	0.358	11/05	0.364	11/06	Continuing	Continuing	0.000
Travel		Various DoD	0.431	0.100	Various	0.102	Various	0.104	Various	Continuing	Continuing	0.000
Subtotal T&E			26.605	43.176		54.129		49.610		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			26.605	43.176		55.326		50.906		Continuing	Continuing	0.000
Remarks:												

## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2005</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 9431 - Joint Enroute Mission Planning and Rehearsal			
COST (\$ in Millions)		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
Project Cost		1.923	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Unified Command Plan 2002 assigned Commander, 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, was responsible for joint interoperability and integration of future and fielded capabilities critical to Joint, Multi-National, and Interagency warfighting operations. USJFCOM JI&amp;I worked closely with Combatant Commanders./Services/Agencies (C/S/A) to ensure warfighting deficiencies were identified, develops synchronized Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) plans to ensure the warfighter has interoperable capabilities, and provided prioritized recommendations for Joint Requirement Oversight Council (JROC) endorsement. A USJFCOM JI&amp;I transition fund supports the DOTMLPF synchronization plan concept allowing for rapid insertion of capabilities into the field while serving as a bridge until the next Service or Agency POM cycle. For future required capabilities critical to joint warfighting, USJFCOM JI&amp;I was responsible for reviewing and confirming all Department of Defense (DoD) Capability Development Documents (CDDs), Capstone Requirement Documents (CRDs), Capability Production Documents (CPDs), and C4I Support Plans (C4ISPs) for interoperability key performance parameters (IKPPs), information exchange requirements (IERs), and operational architecture views (OVs) in accordance with Department of Defense and Chairman Joint Chiefs of Staff directions and instructions.</p> <p>Congressional Add Project 9431: JFCOM JI&amp;I received \$2.0M in FY04 only for the Joint Enroute Mission Planning Rehearsal System - Near Term (JEMPRS NT).</p>								

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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 9431 - Joint Enroute Mission Planning and Rehearsal															
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RDT&E Articles Quantity																	
<p><b>FY04:</b> USJFCOM JI&amp;I executed Secretary of Defense and Chairman Joint Chiefs of Staff efforts which provided <b>Joint En-route Mission Planning and Rehearsal capabilities</b> across the Regional Combatant Commanders and Service Components to support the Global War on Terrorism (GWOT) and in multiple theaters of operations.</p>																	

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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2005</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 9649 - Ice Protection Technologies for UAVs			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	0.000	1.062	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Unified Command Plan 2002 assigned Commander, 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, Management Initiative Decision (MID) 912 signed by the Deputy Secretary of Defense 7 January 2003 expanded 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.</p> <p>Congressional Add Project 9649: JFCOM JI&amp;I received \$1.062M in FY05 for Ice Protection Technologies for Unmanned Aerial Vehicles (UAVs).</p>								

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