CLASSIFICATION:								
EXHIBIT R-2, RDT&E Budget Item Justification						DATE:		
							February 2006	6
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOME				
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY /		BA-7		0305188N - Joint	C4ISR Battle Cen	ter (JBC)	1	T
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	43.064	67.255						
3043 - Joint Interoperability and Integration	42.029	67.255						
9649 - Ice Protection Technologies for UAVs	1.035							
-								
Quantity of RDT&E Articles								

In accordance with the FY 05 National Defense Authorization Act, PDM II dated Dec 2005, and PBD 723 dated Dec 2005, RDT&E funding for Joint Forces Command transfers from Navy to Defense-Wide beginning in FY 07. The new program element for 0305188N is 0607XXXD, under BA 7.

(U) 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 addition, on 7 January 2003 the Deputy Secretary of Defense directed the expansion of the USJFCOM JI&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, baseline funds of \$10M were proveded to 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.

(U) JUSTIFICATION FOR BUDGET ACTIVITY:

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 warfighter's need.

Exhibit R-2a, RDTEN Project Justification

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification				DATE:	
					February 2006
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NO	MENCLATURE	
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-	7		0305188N - J	Joint C4ISR Battle Center (JBC)	
(U) C. PROGRAM CHANGE SUMMARY:					
(U) Funding:	FY 2005	FY 2006	FY2007		
FY 06 President Budget	44.238	55.326	50.906		
FY 07 President Budget	43.064	67.255	0.000		
Total Adjustments	-1.174	11.929	-50.906		
Summary of Adjustments					
SBIR	-1.140				
Department of Engergy Transfer	-0.034				
Program Adjustment	0.00	-3.000			
Congressional Undistributed		-0.746			
SEC 8125		-0.325			
Congressional Directed Transfer of JFCOM to Defense Wide			-50.906		
TJS - Joint Blue Force Situational Awareness / BFT		16.000			
	-1.174	11.929	-50.906		
(U) Schedule:					
Not Applicable					
(U) Technical:					
Not Applicable					
5	1 CHODDING LIST	Ir N.I.	200		

R-1 SHOPPING LIST - Item No.

200

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			·		DATE:
					February 2006
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE	
RESEARCH DEVELOPMENT TEST & EVALUAT	TION, NAVY	/ BA-7		0305188N - Joint C4ISR Battl	le Center (JBC)
(U) D. OTHER PROGRAM FUNDING SUMMARY:					
Line Item No. & Name	FY 2005	<u>FY 2006</u>			
Not Applicable					
(U) E. ACQUISITION STRATEGY:					
Not Applicable					
(U) F. MAJOR PERFORMERS:					
NONE					
(U) G. PERFORMANCE METRICS:					
(•)					
				200	

CLASSIFICATION:							
EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEM 0305188N - Joint C4ISR Battle Cente	MENT NUMBER AND NAME er (JBC)		PROJECT NUMB 3043 - Joint Intero	ER AND NAME perability and Integra	ation (JI&I)	
COST (\$ in Millions)	FY 2005	FY 2006					
Project Cost	42.029	9 67.255					
RDT&E Articles Qty							
The Unified Command Plan 2002 assigned Commander USJFCOM as lead agent to transform the Armed Forces integration of future and fielded capabilities critical to Jo deficiencies are identified, develops synchronized Doctrine. In addition, on 7 January 2003 the Deputy Secretary of E Tactical Pictures; Combat Identification; Situational Awa Integrated Joint Battle Management Command and Contribution of the User Indiana.	. In support of these two missions, US pint, Multi-National, and Interagency ve, organizational, Training, Materiel, Le Defense directed the expansion of the reness; Adaptive Mission Planning ar ol. Evidencing this increased mission,	SJFCOM Joint Interoperabilit warfighting operations. USJI eadership, Personnel, and Fa USJFCOM JI&I role to increand Rehearsal; Interoperabilit, baseline funds of \$10M wer	y and Integration (JI&I), locat FCOM JI&I works closely wit cilities (DOTMLPF) capability ase operational through tactic y among Service/Agency into e proveded to USJFCOM to co	ed within Headquarters h Combatant Commar plans to ensure the wa al level joint integration tiligence systems; Intellevelop a repeatable Jo	USJFCOM, is responders/Services/Agen rfighter has interope of the following cap roperable Joint Fires	consible for joint intended (C/S/A) to ensit rable capabilities. Common (Samuel	eroperability and sure warfighting Operational and ntelligence; and

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME
RDT&E, N / BA-7	0305188N - Joint C4ISR Battle Center (JBC)	3043 - Joint Interoperability a	and Integration (JI&I)

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	
Integrated Combat Identification and Situational Awareness Capabilities	3.265	19.498	
RDT&E Articles Quantity			

FY05 Accomplishments: Integrated joint forces capabilities to enhance blue force situational awareness. USJFCOM JI&I executed 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.

FY06 Plan: 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 05	FY 06	
Interoperable Joint Fires and Intel Capabilities	13.500	20.158	
RDT&E Articles Quantity			

FY05 Accomplishments: Executed 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.

FY06 Plan: 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 05	FY 06	
Common Operational and Tactical Pictures Capabilities	6.227	9.514	
RDT&E Articles Quantity			

FY05 Accomplishments: Executed 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.

FY06 Plan: 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.

Exhibit R-2a, RDTEN Project Justification

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:	
				February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME	
RDT&E, N / BA-7	0305188N - Joint C4ISR Battle Center (JBC)	3043 - Joint Interoperability a	and Integration (JI&I)	

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	
Integrated Joint Battle Management C2 Capabilities	6.953	6.123	
RDT&E Articles Quantity			

FY05 Accomplishments: Executed 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.

FY06 Plan: 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 05	FY 06	
Joint Operational Concepts and Integrated Architectures	3.400	3.297	
RDT&E Articles Quantity			

FY05 Accomplishments: Developed, maintained, and updated Joint Mission Area Joint Operational Concepts and Integrated Architectures in close coordination with OSD, Joint Staff, COCOMS and Services to support the warfighter.

FY06 Plan: In support of Joint Battle Management Command and Control (BMC2), 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, COCOMs, and Services.

	FY 05	FY 06	
Integrated Service and Agencies Intelligence Capabilities	3.000	2.826	
RDT&E Articles Quantity			

FY05 Accomplishments: Executed 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.

FY06 Plan: 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.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA-7	0305188N - Joint C4ISR Battle Center (JBC)	3043 - Joint Interoperability	and Integration (JI&I)

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	
Ability to Exchange Information Between Multiple Security Domains	1.500	2.037	
RDT&E Articles Quantity			

FY05 Accomplishments: USJFCOM Jl&I executed 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.

FY06 Plan: USJFCOM Jl&l 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 of the Global War on Terrorism (GWOT) and in multiple theaters of operations.

	FY 05	FY 06	
Define Operational Requirements and Functional Concepts	0.550	1.884	
RDT&E Articles Quantity			

FY05 Accomplishments: Executed 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.

FY06 Plan: 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 BMC2, Standing Joint Force Headquarters, and Service Battle Management Command and Control capabilities and goals.

	FY 05	FY 06	
Enroute Mission Capabilities	2.000	0.565	
RDT&E Articles Quantity			

FY05 Accomplishments: Provided 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.

FY06 Plan: 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.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA-7	0305188N - Joint C4ISR Battle Center (JBC)	3043 - Joint Interoperability	and Integration (JI&I)

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	
Combatant Commander Capability Office (C3O)	1.634	0.154	
RDT&E Articles Quantity			

FY05 Accomplishments: Identified the Combatant Commanders' warfighting shortfalls. The C3O collected and identified 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 identified operational problems applicable from the Joint Task Force down to the Tactical Level and those areas where assistance was necessary to achieve operational enhancements with US, Allied, and Coalition forces.

FY06 Plan: 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 05	FY 06	
T2 Architecture Support of Joint Training Environment	0.000	1.199	
RDT&E Articles Quantity			

FY06 Plan: USJFCOM JNTC will develop 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 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.

CLASSIFICATION:													
Exhibit R-3 Cost Analy	vsis (nage 1)								DATE:	Februar	v 2006		
APPROPRIATION/BUDGE			PROGRAM ELEME	NT			PROJECT NU	JMBFR AN	D NAME	i cordar	y 2000		
	BA-7		0305188N - Joint C		nter (JBC)				ity and Integration	on (JI&I)			
Cost Categories	Contra	t Performing	COCCIOCIT COMIC C	Total	1	FY 05	00.00 00	FY 06	liy and integration	FY 07			Target
Ü	Method & Type	Activity &			FY 05 Cost	Award Date	FY 06 Cost	Award Date	FY 07 Cost	Award Date	Cost to Complete	Total Cost	Value of Contract
Primary Hardware Develop	oment											0.00	0.000
Ancillary Hardware Develo												0.00	
Systems Engineering												0.00	0.000
Licenses												0.00	0.000
Tooling												0.00	0.000
GFE												0.00	0.000
Award Fees												0.00	0.000
Subtotal Product Developme	ent			0.000	0.000		0.000)			0.000	0.00	0.000
Development Support												0.00	0.000
Software Development												0.00	0.000
Training Development												0.00	0.000
Integrated Logistics Support												0.00	0.000
Configuration Management												0.00	0.000
Technical Data												0.00	0.000
GFE												0.00	0.000
Subtotal Support				0.000	0.000		0.000)			0.000	0.00	0.000
Remarks:													

CLASSIFICATION:												
								DATE:				
Exhibit R-3 Cost Analysi									February	/ 2006		
APPROPRIATION/BUDGET		PROGRAM ELEMENT	5.11.6	(150)		PROJECT NU			(110 1)			
RDT&E, N / BA		0305188N - Joint C4ISR Performing		(JBC)	FY 05	3043 - Joint In	teroperability	and Integration	on (JI&I) FY 07	ı	1	Torget
Cost Categories	Contract Method	Activity &	Total PY s	FY 05	Award		Award	FY 07	Award	Cost to	Total	Target Value of
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete		Contract
Contractor Support	C-CPFF	Science Application International Corp.	5.225	4.515	10/04	5.100	10/05			Continuing		
Government Support	MIPR	Various DoD	17.599			59.685				Continuing		
Contractor Support	C-CPFF	Old Dominion University	1.530	1.886	04/05	2.010	04/06			Continuing	Continuing	0.000
Contractor Support	C-CPFF	General Dynamics	1.820	0.352	11/04	0.358	11/05			Continuing	Continuing	0.000
Travel		Various DoD	0.431	0.100	Various	0.102	Various			Continuing	Continuing	0.000
												0.000
Subtotal T&E			26.605	42.029		67.255				Continuing	Continuing	0.000
						_						
Contractor Engineering Support											0.000	0.000
Government Engineering Suppo	rt										0.000	
Program Management Support											0.000	
Travel											0.000	
Subtotal Management			0.000	0.000		0.000				0.000	0.000	0.000
Remarks:												
Total Cost			26.605	42.029		67.255				Continuing	Continuing	0.000
Remarks:												

CLASSIFICATION:

							DATE:	
							February 2006	
APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME								
0305188N - Joint C	0305188N - Joint C4ISR Battle Center (JBC) 9649 - Ice Protection Technologies for				UAVS			
	FY 2005	FY 2006						
	1.035	0.000						
		0305188N - Joint C4ISR Battle Center FY 2005	0305188N - Joint C4ISR Battle Center (JBC) FY 2005 FY 2006	0305188N - Joint C4ISR Battle Center (JBC) FY 2005 FY 2006	0305188N - Joint C4ISR Battle Center (JBC) FY 2005 FY 2006	0305188N - Joint C4ISR Battle Center (JBC) 9649 - Ice Protection FY 2005 FY 2006	PROGRAM ELEMENT NUMBER AND NAME 0305188N - Joint C4ISR Battle Center (JBC) FY 2005 FY 2006 PROJECT NUMBER AND NAME 9649 - Ice Protection Technologies for	0305188N - Joint C4ISR Battle Center (JBC) FY 2005 FY 2006 9649 - Ice Protection Technologies for UAVS

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Congressional Add Project 9649: JFCOM JI&I received congressional add in FY05 for Ice Protection Technologies for Unmanned Aerial Vehicles (UAVs).

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justific	cation			DATE:	
		ED 411D 1141E		February 2006	
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER ANI		
&E, N / BA-7	0305188N - Joint C4ISR Battle	e Center (JBC)	9649 - Ice Protection Technologies for UAVS		
. Accomplishments/Planned Program					
. Accomplishments/Planned Program					
	FY 05	FY 06			
ce Protection Technologies for UAVs	1.035	0.000			
DT&E Articles Quantity					

CLASSIFICATION:

EXHIBIT R-2a, RDT&E	Project Justification		DATE:
			February 2006
APPROPRIATION/BUDGE		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N /	BA-7	0305188N - Joint C4ISR Battle Center (JBC)	9649 - Ice Protection Technologies for UAVS
(U) D. OTHER PRO	GRAM FUNDING SUMMARY:		
Line Item No. & Na	ame	<u>FY 2005</u> <u>FY 2006</u>	
Not Applicable			
(U) E. ACQUISITION S	STRATEGY:		
Not Applicable.			
(U) F. MAJOR PERFO	RMERS:		
None			
(U) F. PERFORMANO	E METRICS .		
(O) 1. 1 Zidi Ordinalite	,		
			tom No. 200