

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

Date: February 2007

APPROPRIATION/ BUDGET ACTIVITY
RDT&E/ Defense Wide BA# 4

PE NUMBER AND TITLE

0604787D8Z - Joint Systems Integration Command (JSIC)

Cost (\$ in Millions)	FY 2006 Actual	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Program Element (PE) Cost	0.000	20.637	19.375	19.675	20.289	20.561	20.831	21.125
P787 Joint Systems Integration Command	0.000	20.637	19.375	19.675	20.289	20.561	20.831	21.125

A. Mission Description and Budget Item Justification: The FY 2005 National Defense Authorization Act (NDAA) directed the transfer of USJFCOM RDT&E funding of joint warfare experimentation and training programs from Navy accounts to new Defense Wide RDT&E accounts beginning in FY 2007. Funding to support the Joint Systems Integration Command (JSIC) Program in FY 2006 and prior were reflected in the Navy's RDT&E Program under PE 0604787N.

The Joint Systems Integration Command (JSIC) supports Joint Requirements Oversight Council Memoranda (JROCM) by conducting system interoperability assessments, by providing warfighter utility assessments addressing near-term joint capability shortfalls, and by developing solutions improving integration of Service and Agency systems. The Joint Systems Integration Command (JSIC) is the U.S. Joint Forces Command (USJFCOM) and Chairman, Joint Chiefs of Staff (CJCS) capability for warfighter exploration, prototyping, and evaluation of command and control (C2) and Command, Control, Computer, Communication, Intelligence Surveillance & Reconnaissance (C4ISR) capabilities. JSIC provides Combatant Commands, at the joint force headquarters level, with a laboratory and assessment environment for the warfighter and technologist. This environment provides for assessment of current and near-term joint operational capabilities. JSIC's Interoperability Technology Demonstration Center (ITDC) accurately simulates an operational Joint Command and Control (JC2) environment. With this capability, JSIC assesses operational, systems of systems, technical, software, and procedural interoperability of new systems and programs to confirm readiness for initial acquisition and for fielding of evolutionary improvements.

JSIC serves as the technical analysis and assessment activity in support of the Joint Staff capability driven requirements process, the Joint Concepts Integrations and Development System (JCIDS). Through JSICs' analysis and assessment, systems are evaluated for "value-added" prior to employment in the joint environments typical of deployed theaters of operation. JSIC also serves as a joint interoperability compliance activity for the milestone decision authorities/program managers, including the Command and Control Capability Integration Board (C2CIB) and associated, Joint Battle Management Command and Control (JBMC2) Board.

By establishing ground truth for interoperability and suggesting remedies for demonstrated shortfalls, JSIC is a forcing function for interoperable joint solutions and a means to foster rapid, near-term insertion of C4ISR technology by promoting the ability to meet the DoD direction for spiral development and evolutionary acquisition. JSIC's mission assignment is to provide for the fielding of warfighter C2 systems through rapid systems prototyping, technical assessment, and operational evaluations using laboratory environments and field venues. In the world of C2 and ISR interoperability, performance in the field is the bottom line. In terms of investment, JSIC is the "ounce of prevention" that precludes a "pound" of mission failure and loss of life due to interoperability failures in actual military operations.

<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	0.000	20.755	19.967	20.226

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Current BES/President's Budget (FY 2008/2009)	0.000	20.637	19.375	19.675
Total Adjustments	0.000	-0.118	-0.592	-0.551
Congressional Program Reductions		-0.118		
Congressional Rescissions				
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer				
Other			-0.592	-0.551

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
08	JC2	Number of FY 2007 Assessments/Interoperability Demonstrations	5% increase in assessment and demonstrations		Number of assessments and demonstrations	
09	JC2	Number of FY 2007 Assessments/Interoperability Demonstrations	5% increase in assessment and demonstrations		Number of assessments and demonstrations	

Comment: Performance of Joint Systems Integration Command systems is measured by successful delivery of system solutions to Combatant Commands by required delivery dates.

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OSD RDT&E COST ANALYSIS (R3)									Date: February 2007			
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4			PE NUMBER AND TITLE 0604787D8Z - Joint Systems Integration Command (JSIC)							PROJECT 0604787D8Z		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Dev Support Equipment Acquisition	MIPR	General Services Administration	0	4265	1-4Q	3768	1-4Q	3868	1-4Q	0	11901	0
Systems Engineering	C-CPFF	Old Dominion University	0	519		332	1-4Q	432	1-4Q	0	1283	0
General/Contractor Engineering Support	C-CPFF	Various	0	11435	1-4Q	11022	1-4Q	11122	1-4Q	0	33579	0
Systems Engineering	C-CPFF	South Carolina Research	0	826	1-4Q	890	1-4Q	890	1-4Q	0	2606	0
Gov't Enginnering Support	Various DoD	South Carolina Research	0	3414	1-4Q	3193	1-4Q	3193	1-4Q	0	9800	0
Travel	Various DoD		0	178	1-4Q	170	1-4Q	170	1-4Q	0	518	0
Subtotal:			0	20637		19375		19675		0	59687	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 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 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
IV. Management Services	Contract Method &	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award	FY 2008 Cost	FY 2008 Award	FY 2009 Cost	FY 2009 Award	Cost To Complete	Total Cost	Target Value of

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APPROPRIATION/ BUDGET ACTIVITY
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PROJECT

0604787D8Z - Joint Systems Integration Command (JSIC)

0604787D8Z

Type

Date

Date _____

Date _____

Contract

Subtotal:

0

Project Total Cost:

0

20637

19375

19675

0

59687

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Schedule Detail (R4a Exhibit)		Date: February 2007
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4	PE NUMBER AND TITLE 0604787D8Z - Joint Systems Integration Command (JSIC)	PROJECT 0604787D8Z
<p><u>Schedule Detail:</u> Not applicable for this item.</p>		

OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)									Date: February 2007									
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4			PE NUMBER AND TITLE 0604787D8Z - Joint Systems Integration Command (JSIC)					PROJECT P787										
Cost (\$ in Millions)	FY 2006 Actual	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013										
P787 Joint Systems Integration Command	0.000	20.637	19.375	19.675	20.289	20.561	20.831	21.125										
<p><u>A. Mission Description and Project Justification:</u> The FY 2005 National Defense Authorization Act (NDAA) directed the transfer of USJFCOM RDT&E funding of joint warfare experimentation and training programs from Navy accounts to new Defense Wide RDT&E accounts beginning in FY 2007. Funding to support the Joint Systems Integration Command (JSIC) Program in FY 2006 and prior were reflected in the Navy's RDT&E Program under PE 0604787N.</p> <p>The Joint Systems Integration Command (JSIC) supports Joint Requirements Oversight Council Memoranda (JROCM) by conducting system interoperability assessments, by providing warfighter utility assessments addressing near-term joint capability shortfalls, and by developing solutions improving integration of Service and Agency systems. The Joint Systems Integration Command (JSIC) is the U.S. Joint Forces Command (USJFCOM) and Chairman, Joint Chiefs of Staff (CJCS) capability for warfighter exploration, prototyping, and evaluation of command and control (C2) and Command, Control, Computer, Communication, Intelligence Surveillance & Reconnaissance (C4ISR) capabilities. JSIC provides Combatant Commands, at the joint force headquarters level, with a laboratory and assessment environment for the warfighter and technologist. This environment provides for assessment of current and near-term joint operational capabilities. JSIC's Interoperability Technology Demonstration Center (ITDC) accurately simulates an operational Joint Command and Control (JC2) environment. With this capability, JSIC assesses operational, systems of systems, technical, software, and procedural interoperability of new systems and programs to confirm readiness for initial acquisition and for fielding of evolutionary improvements.</p> <p>JSIC serves as the technical analysis and assessment activity in support of the Joint Staff capability driven requirements process, the Joint Concepts Integrations and Development System (JCIDS). Through JSICs' analysis and assessment, systems are evaluated for "value-added" prior to employment in the joint environments typical of deployed theaters of operation. JSIC also serves as a joint interoperability compliance activity for the milestone decision authorities/program managers, including the Command and Control Capability Integration Board (C2CIB) and associated, Joint Battle Management Command and Control (JBMC2) Board.</p> <p>By establishing ground truth for interoperability and suggesting remedies for demonstrated shortfalls, JSIC is a forcing function for interoperable joint solutions and a means to foster rapid, near-term insertion of C4ISR technology by promoting the ability to meet the DoD direction for spiral development and evolutionary acquisition. JSIC's mission assignment is to provide for the fielding of warfighter C2 systems through rapid systems prototyping, technical assessment, and operational evaluations using laboratory environments and field venues. In the world of C2 and ISR interoperability, performance in the field is the bottom line. In terms of investment, JSIC is the "ounce of prevention" that precludes a "pound" of mission failure and loss of life due to interoperability failures in actual military operations.</p>																		
<p><u>B. Accomplishments/Planned Program:</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">Accomplishment/Planned Program Title</td> <td style="width: 10%; text-align: center; padding: 5px;">FY 2006</td> <td style="width: 10%; text-align: center; padding: 5px;">FY 2007</td> <td style="width: 10%; text-align: center; padding: 5px;">FY 2008</td> <td style="width: 10%; text-align: center; padding: 5px;">FY 2009</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>									Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009					
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009														

OSD RDT&E PROJECT JUSTIFICATION (R2a Exhibit)				Date: February 2007	
APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 4		PE NUMBER AND TITLE 0604787D8Z - Joint Systems Integration Command (JSIC)			PROJECT P787
Interoperability Technology Demonstration Center (ITDC) and Interoperability Assessments (IA)		0.000	12.837	11.575	11.875
<p>Primary OUTCOME (objective) for this effort is seamless interoperability across DoD systems programmed for introduction to the warfighter. JSIC's ITDC supports the interoperability assessment of systems in five categories: operational, system of systems, technical, software, and procedural. These assessments provide supporting justification for continued development of a project within the acquisition system. ITDC conducts interoperability demonstrations of selected (configuration controlled) early implementations in coordination with the Milestone Decision Authorities and Joint Program Offices. Through early assessment, the department can significantly decrease the number of interoperability fixes required to operationally employ new systems. Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) recommendations on fielding strategies for USJFCOM and Joint Staff endorsement are also provided.</p> <p>The primary outputs and efficiencies to be realized are: 1) Decreased number of Service delivered command and control systems and applications that require post delivery engineering to operate within the joint architecture; 2) Increased number of developmental systems and applications that meet the Net-Ready Key Performance Parameter (NR-KPP) earlier in the developmental process reported to the milestone decision authority (MDA); 3) Increased identification and correction of interoperability issues of command and control systems and applications of fielded defense systems. 4) Increased number of assessment based recommendations of technology solutions that address the military utility of proposed and existing Service solutions. 5) Increased number of solutions that also include relevant, doctrinal impacts, training implications, personnel requirements, and life-cycle support deficiencies for capabilities deployed or soon to be deployed to forces.</p> <p>FY 2007 Planned Output- Conduct interoperability assessments for Joint Battle Management Command and Control (JBMC2) Joint Test and Assessment (JT&A) Joint Close Air Support (JCAS) Joint Mission Thread (JMT) events; Joint Intelligence Operations Center Command and Control (JIOC C2) and Coalition Information Sharing; conduct interoperability demonstrations on joint command and control (JC2) developmental systems/applications for DISA; assess Time Sensitive Targeting (TST), Blue Force Tracking (BFT) data strategy efforts; and continue long-range planning for a Joint Systems Baseline Assessment 2008 (JSBA-08). Continue assessment and evaluation support to the four pilot portfolios (Battlespace Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics) as they mature and requirements become more defined. These assessment and demonstration results are programmed to include identification of interoperability problems/issues, recommended solutions, and associated programmatic implications are to be reported to the respective Combatant Commander and Milestone Decision Authority.</p> <p>FY 2008 Planned Output- Interoperability assessments of JC2 pilots including Net Enabled Command Capability (NECC) and Coalition Information Sharing, execution of JSBA-08. Continue assessment and evaluation support to the four pilot portfolios (Battlespace Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics) as they mature and requirements are refined. These assessment and demonstration results are programmed to include identification of interoperability problems/issues, recommended solutions, and associated programmatic implications are to be reported to the respective Combatant Commander and Milestone Decision Authority. Additionally, other materiel and non-materiel recommendations that address joint warfighting shortfalls will be provided as appropriate as a transformation change package to the Combatant Commander.</p> <p>FY 2009 Planned Output- Interoperability demonstrations to solve warfighting problems including coalition challenges, planning for JSBA-10. Continue assessment and evaluation support to the four pilot portfolios (Battlespace Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics) as they mature and requirements are refined. These assessment and demonstration results are programmed to include identification of interoperability problems/issues, recommended solutions, and associated programmatic implications are to be reported to the respective Combatant Commander and Milestone Decision Authority. Additionally, other materiel and non-materiel recommendations that address joint warfighting shortfalls will be provided as appropriate as a transformation change package to the Combatant Commander.</p>					
Accomplishment/Planned Program Title		FY 2006	FY 2007	FY 2008	FY 2009
Capability Integration (CI) / Advanced Systems Prototyping (ASP)		0.000	2.900	2.900	2.900
<p>Primary OUTCOME (objective) for this effort is to provide near-term solutions for integration, test and delivery of operational capabilities that address near-term operational and at time tactical requirements. Capability Integration uses organic laboratory resources, equipment, and technical personnel to integrate emerging technologies. Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and</p>					

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<p>Facilities (DOTMLPF) recommendations on fielding strategies for USJFCOM and Joint Staff endorsement are also provided.</p> <p>The primary outputs and efficiencies realized are: 1) Increase in reduced costs and delivery time to the warfighter through application of commercial technology to solve near-term Combatant Commander command and control capability gaps; 2) Increased Cost avoidance through transition of successful commercial technology integration in solving Combatant Commander capability shortfalls to applicable Service programs of record; 3) Decreased reliance on post delivery interoperability corrections; 4) Improved Assessment-based recommendations of technology solutions that address the military utility of proposed solutions and identify relevant Service programs, doctrinal impacts, training implications, and personnel requirements; 5) Improved accountability of life-cycle support for capabilities deployed to forces.</p> <p>FY 2007 Planned Output- Continue development of Wireless for the Warfighter prototype incorporating wireless technologies for Joint Task Force-Civil Support (JTF-CS) and continue investigation of wireless technology advances to improve capability. Wireless for the Warfighter is a deployable capability that provides Joint Task Force Headquarters with the capability to rapidly initiate the exchange of time critical information via voice, video, and data over a broadband wireless medium between warfighters, non-DoD agencies, and local "First Responders". Deliver two Wireless for the Warfighter prototypes to USNORTHCOM's JTF-CS. This will provide JTF-CS the capability to immediately deploy and establish objective area communications. Transition Command and Control on the Move (C2OTM) to the Joint Special Operations Command (JSOC) and Executive Command and Control (EC2) to the U.S. Army Integrated Systems Engineering Command (ISEC).</p> <p>FY 2008 Planned Output- Continue to leverage lessons learned during Wireless for the Warfighter development. Incorporate new technology supporting Ad Hoc Wireless Mesh Networking and multifunctional hand held devices. Match emerging critical warfighter requirements with current technologies and provide rapid near-term technology solutions to those requirements in support of the Combatant Commanders.</p> <p>FY 2009 Planned Output- Leverage technology advances in wireless devices, satellite modem technology, and small lightweight secure digital capabilities to enhance warfighter C2 capabilities. Match emerging critical warfighter requirements with current technologies and provide rapid near-term technology solution to those requirements in support of the Combatant Commanders.</p>				
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008	FY 2009
Capability Assessments and Combatant Commander's Requirements Analysis	0.000	2.900	2.900	2.900
<p>Primary OUTCOME (objective) for this effort is to provide objective based assessment of Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) solution sets in support of the Joint Task Force Commander. JSIC will analyze Combatant Commander near-term requirements using DOTMLPF criteria. JSIC will identify current, emerging, or mature technologies to address materiel requirements. Comprehensive assessments covering joint maturity, warfighter utility, and operational effectiveness will be conducted on legacy and transformational projects. Doctrine, Organizational, Training, Materiel, Leadership, Personnel, and Facilities (DOTMLPF) recommendations on fielding strategies for USJFCOM and Joint Staff endorsement are also provided.</p> <p>The primary outputs and efficiencies realized are: 1) Increased number of recommended improvements that enhance the capability of Combatant Commander Joint Task Force Headquarters (JTF HQ); 2) Increased number of verifiable capability solutions recommended for fielding to the Combatant Commander sponsor based on quantified capability improvements; 3) Increased empirical data to support benefit-cost ratio improvements of JTF HQ investment decisions and ensure JTF HQs command and control (C2) capabilities are interoperable from technical and operational standpoints; 4) Increased number of assessments conducted that identify legacy JTF HQs C2 Systems that are interoperable and supported, that inform and recommend solutions to integrate, modify, or retire legacy systems; 5) Increased number of assessment based recommendations of technology solutions that address the military utility of proposed and existing Service solutions. 6) Increased number of solutions that also include relevant, doctrinal impacts, training implications, personnel requirements, and life-cycle support deficiencies for capabilities deployed or soon to be deployed to forces.</p> <p>System of Record Program Management offices benefit because the JSIC program provides a venue for the Warfighter Utility Assessments of commercial technologies before committing to implementation. The potential savings associated with finding existing commercial technologies to provide gap filler solutions and avoid the fielding of systems that are not interoperable or that fail to meet warfighter needs</p>				

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<p>are difficult to quantify. Potentially life-threatening shortfalls can be identified and fixed in advance of fielding. Services benefit directly by reduced Program Manager costs and by fielding systems that are interoperable and meet warfighter needs.</p> <p>FY 2007 Planned Output- Efforts will initially focus on four pilot portfolios (Battle Space Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics). In addition, assessments will continue on Joint Engineering, Planning, and Execution System (JEPES) and Theater Effects Based Operations (TEBO).</p> <p>FY 2008 Planned Output- JSIC projects are nominated to meet Combatant Commander's and Joint Force transformation requirements for the fiscal year. As the pilot portfolio concepts mature, assessments will expand to cover concept of operations and mission effectiveness of Net Enabled Command and Control. Recommendations will address military utility, concept of operations, and JTF Headquarters mission effectiveness as Joint Command and Control concepts merge with web-based and wireless technologies. The goal is to support the transformation of joint force command and control capabilities through the rapid integration of technology solutions, resolution of C2 interoperability problems, and by providing unbiased evaluations of existing and emerging C2 capabilities to improve the joint warfighters ability to plan and execute operations.</p> <p>FY 2009 Planned Output- JSIC projects are nominated to meet Combatant Commander's and Joint Force transformation requirements for the fiscal year. As the pilot portfolio concepts mature, assessments will identify problematic JTF HQ capabilities and conduct Root-Cause-Analysis - DOTMLPF.</p>			
Accomplishment/Planned Program Title	FY 2006	FY 2007	FY 2008
Federated Joint C2 Laboratores (FJC2L) / Concept Development and Experimentation (CD&E)	0.000	2.000	2.000
<p>Primary OUTCOME (objective) for this effort is to strengthen and align activities across the Federated Joint C2 Laboratories (JJC2L). The FJC2L is a voluntary consortium sponsored by the JSIC that leverages the capabilities of the Service Battle Labs, Systems Engineering Commands, RDT&E labs and other aligned Agencies to promote near-term Joint C2 solutions for the joint warfighter based on operational needs/requirements. JSIC will continue to provide support by aggressively engaging the Services in a collaborative effort to bring joint solutions through prototyping, interoperability demonstrations and capability assessments. Joint Concept Development and Experimentation (CD&E) plays a critical role in transformational change. As Executive Agent for Joint CD&E, Commander USJFCOM works in collaboration and formal coordination with the Joint Staff, Combatant Commanders, Services, defense agencies, departments and agencies outside of DoD, as well as allies and other coalition partners in order to align efforts, create a culture of innovation, and foster the creation of new joint operational concepts, along with measures of merit, to serve as the basis for exploring future joint capabilities and operations through joint experimentation and assessments. JSIC provides a netted reconfigurable Joint Task Force (JTF) C2 testbed and experimental environment that allows the rapid evaluation of required interoperability and utility to the warfighter, insertion of technology, along with the joining of emerging technologies and operational doctrine. JSIC supports concept developments and experimentation through access to its facilities and capabilities.</p> <p>The primary outputs and efficiencies to be realized are: 1) Increased number of consortium interactions and events to leverage the capabilities of like organizations; 2) Decreased duplication of existing command and control systems and applications used throughout the Department in assessing and evaluating these capabilities; 3) Increased full utilization of joint, service and agency unique facilities in order to further determine ability of consortium to develop synergies that result in increased output; 4) Increased identification of joint command and control solutions to Combatant Commanders needs through use of the FJC2L; 5) Decreased number of service developed command and control solutions that fail to meet Combatant Commander joint warfighter requirements; 6) Reduction in the duplication of project/solution efforts across the Department; 7) Increased number of assessment based recommendations of technology solutions that address the military utility of proposed and existing Service solutions. 8) Increased number of solutions that also include relevant, doctrinal impacts, training implications, personnel requirements, and life-cycle support deficiencies for capabilities deployed or soon to be deployed to forces.</p> <p>FY 2007 Planned Output- The FJC2L will support the following JSIC projects: Command and Control On-the-Move (C2OTM) transition, Wireless for the Warfighter (W4W), collaboration with Army Mounted Battle Command on the Move (MBCOTM) and USMC Command and Control On-the-Move Network, Digital Over the Horizon Relay (CONDOR) Program Managers, National Security Agency</p>			

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<p>(NSA) wireless testing, USJFCOM Joint Deployment Process Owner (JDPO) Joint Force Projection (JFP) Advanced Concepts Technology Demonstration (ACTD) Limited Objective Experiments (LOE) spirals and final venue, Tactical Communications Systems (TACOMS) prototyping, engagements and the JSIC project development processes. JSIC will assess warfighter feedback and measures of effectiveness from the Deployed Joint Command and Control (DJC2) system in an operational environment for a six month post initial operating capability (IOC) assessment to enable improvements in system implementation and operational concept.</p> <p>FY 2008 Planned Output- Continue to develop FJC2L Strategic Partnerships that directly support rapid integration of C2 capabilities by engaging the Services and Communities of Interest (COI) in a collaborative effort to bring joint solutions through integration, interoperability and capability assessments. Leveraging the FJC2L, JSIC will focus on identifying emerging technologies, C2 interoperability solutions and supporting the following: NATO Consultation, Command and Control Agency (NC3A) and Allied Transformation Command (ACT), Net-Enabled Command Capability (NECC), Tactical Communications (TACOMS) Post 2000 NATO, Joint Systems Baseline Assessment (JSBA), C2 logistics and Joint Deployment Process, Theater Effects Based Operations (TEBO) Advanced Concept Technology Development (ACTD), next generation Command and Control (C2) On-the-Move satellite communications, wireless technology, Turnkey C2 Net-Centric Enterprise Services (NCES) and Counter Improvised Explosive Device (CIED). Continue experimentation and prototyping laboratory support for Standing Joint Force Headquarters, Joint National Training Capability and Joint Experimentation events as well as the four pilot portfolios (Battlespace Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics).</p> <p>FY 2009 Planned Output- JSIC will focus on identifying future technology trends that have the potential to support the Joint Warfighter when developed and inserted as disruptive technology. Emerging technologies and C2 interoperability solutions that JSIC will pursue include: field-based computers (rugged, low cost), mobile, secure and wearable wireless communications, "user" defined communications, digital projection technology, graphic display technology, 3-D data management and visualization, next generation database search engines, multi-functional devices (GPS, camera, phone), nanotechnology (high capacity handheld devices & power cells), better electronic media convergence (data, voice, video), embedded GIS functionality, reducing warfighter overload with more effective information delivery technology, cyber security, and RFID chip technology for Joint Deployment Process logistical tracking and containerized cargo for Maritime Domain Awareness and Homeland Security applications. Support to major legacy systems and programs will continue: NATO NC3A/ACT, Joint Mission Threads, NECC, NCES, Standing Joint Force Headquarters (SJFHQ) support, and Joint Mission Modeling Tools (JMMT). JSIC will continue experimentation and prototyping laboratory support for Standing Joint Force Headquarters, Joint National Training Capability and Joint Experimentation events as well as the four pilot portfolios (Battlespace Awareness, Joint Network Operations, Joint Command and Control, and Joint Logistics).</p> <p><u>C. Other Program Funding Summary:</u> Not Applicable.</p> <p><u>D. Acquisition Strategy:</u> Not Applicable.</p> <p><u>E. Major Performers</u> Not Applicable.</p>		