

CLASSIFICATION:								
EXHIBIT R-2, RDT&E Budget Item Justification						DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4				R-1 ITEM NOMENCLATURE 0603857N - Joint Fires Integration and Interoperability Team (JFIIT)				
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	15.085	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2691 - Joint Fires Integration and Interoperability Team	15.085	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles								
<p>In accordance with the FY 2005 National Defense Authorization Act, RDT&E funding for Joint Forces Command transfers from Navy to Defense-Wide beginning in FY 2007. The program element is changed from 0603857N BA 4 to 0604857D BA 4.</p> <p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Joint Fires Integration and Interoperability Team (JFIIT) conducts assessments and evaluations of combat identification capabilities in order to reduce the risk of fratricide and other friendly fire incidents. These JFIIT events support the U.S. Joint Forces Command (JFCOM) mission of joint concept development and experimentation as directed in the Secretary of Defense's (SECDEF's) Defense Planning Guidance. JFIIT events are also an integral part of fulfilling JFCOM's responsibility outlined in the SECDEF's Transformation Planning Guidance (TPG) to measure transformation progress through experimentation and evaluation of findings. Capabilities assessments and evaluations of combat identification during these field evaluations are conducted in the following combat mission areas: surface-to-surface, air-to-surface, surface-to-air, and air-to-air. These mission areas may be evaluated at a single exercise or at several different venues during the year. Venue selection and evaluation of a specific mission area are dependent on force availability within a particular exercise. Evaluation of each specific mission area may require instrumentation of all participants influencing execution of missions within that mission area. Participants, both Blue Forces and Opposing Forces (OPFOR) including aircraft, ships and land based assets to include individual soldiers and Marines may be fully instrumented. Instrumentation provides time, space, position information and shot pairing for real-time data collection and subsequent detailed analysis. This detailed analysis is required to support findings and recommendations that in turn provide solutions to Combatant Commanders' identified combat identification deficiencies. Contractor support is required for instrumentation installation and operation as well as follow-on analysis of the data. A realistic OPFOR will enhance each mission area to generate valid combat identification scenarios and joint fires capabilities assessments. This OPFOR consisting of ground, air and naval forces will be realistic OPFOR equipment whenever practical and can be leased and transported from their home base to the various exercise venues.</p> <p>On 24 February 2005, Joint Combat Identification Evaluation Team (JCIET) name changed to Joint Fires Integration and Interoperability Team (JFIIT).</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under Demonstration and Validation because it includes efforts to evaluate integrated technologies in a realistic operational environment to assess the performance potential of current Tactics, Techniques, and Procedures (TTP), weapons systems, and helps expedite technologies that meet joint warfighters needs.</p>								

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Fires Integration and Interoperability Team (JFIIT)	PROJECT NUMBER AND NAME 2691 - Joint Fires Integration and Interoperability Team (JFIIT)		
(U) C. PROGRAM CHANGE SUMMARY:				
(U) Funding:	FY 2006	FY 2007	FY 2008	FY 2009
FY 07 President's Budget	15.451	0.000	0.000	0.000
FY 08/09 President's Budget Submit	15.085	0.000	0.000	0.000
Total Adjustments	-0.366	0.000	0.000	0.000
Summary of Adjustments				
Miscellaneous Navy Adjustments	-0.366	0.000	0.000	0.000
Subtotal	-0.366	0.000	0.000	0.000
(U) Schedule:				
Not Applicable				
(U) Technical:				
Not Applicable				

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Fires Integration and Interoperability Team (JFIIT)	PROJECT NUMBER AND NAME 2691 - Joint Fires Integration and Interoperability Team (JFIIT)

(U) B. Accomplishments/Planned Program

Field Evaluations	FY 06	FY 07	FY08	FY 09
Accomplishments/Effort/Subtotal Cost	4.294			
RDT&E Articles Quantity				

JFIIT conducts assessments and evaluations of combat identification capabilities in order to reduce the risk of fratricide and other friendly fire incidents. Capabilities assessments and evaluations of combat identification during these field evaluations are conducted in accordance with and in support of the Defense Planning Guidance and Transformation Planning Guidance. Evaluations are conducted in the following combat mission areas: surface-to-surface, air-to-surface, surface-to-air, and air-to-air. These mission areas may be evaluated at a single exercise or at several different venues during the year. Venue selection and evaluation of a specific mission area are dependent on force availability within a particular exercise. Evaluation of each specific mission area may require full instrumentation of all participants influencing execution of missions within that mission area. All participants, both Blue Forces and Opposing Forces (OPFOR) including aircraft, ships and land based assets to include individual soldiers and Marines may be fully instrumented. Instrumentation provides time, space, position information and shot pairing for real-time data collection and subsequent detailed analysis. This detailed analysis is required to support findings and recommendations that in turn provide solutions to Combatant Commander's identified combat identification deficiencies. Contractor support is required for instrumentation installation and operation as well as follow-on analysis of the data. A realistic OPFOR is requested within each mission area as per direction outlined in Director, Force Transformation directive to generate valid joint fires and combat identification scenarios. This OPFOR consisting of ground, air and naval forces will be realistic OPFOR equipment whenever practical and can be leased and transported from their home base to the various exercise venues.

FY 2006 ACCOMPLISHMENTS: JFIIT conducted Joint Fires and combat identification and interoperability evaluations in conjunction with JFCOM test and evaluation events in the areas of surface-to-surface, air-to-surface, surface-to-air, and air-to-air. Many JFIIT operations require full instrumentation of all blue force and opposing force participants. All platforms including aircraft, ships at sea, and land based assets will have full instrumentation. JFIIT evaluations will require full instrumentation of ground maneuver mounted and dismounted elements, airborne platforms, ships at sea and an opposing force (OPFOR) air and ground force. Instrumentation provides time, space, position information and shot pairing for real time casualty assessment and kill removal and for post-mission and post-evaluation analysis. The data collected from the instrumentation will point to solutions to combat ID deficiencies. In accordance with OSD Director of Force Transformation policy guidance, a realistic OPFOR is employed in support of the exercise. JFIIT is also directed by charter to provide support to promising Combat Identification enhancements or joint fires initiatives.

JFIIT Support	FY 06	FY 07	FY08	FY 09
Accomplishments/Effort/Subtotal Cost	1.532			
RDT&E Articles Quantity				

FY 2006 ACCOMPLISHMENTS: Continued base support.

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RDT&E Articles Quantity																		
<p>FY 2006 ACCOMPLISHMENTS: JFIIT continued to depend on advisory and support contract manpower for the planning, execution, analysis and reporting for combat identification capabilities assessments, findings and recommendations to assist in developing solutions to prevent future fratricide during real world joint combat operations. The avenues for such may consist of National Training Center, Weapons Tactics Instruction, Joint Readiness Training Center and various other events.</p>																		
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<p>FY 2006 ACCOMPLISHMENT: JFIIT hosted and attended numerous planning conferences and site visits in preparation for National Training Center, Weapons Tactics Instruction, Joint Readiness Training Center and various other events. Additionally, JFIIT provided Subject Matter Experts to various forums.</p>																		

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<p>(U) D. OTHER PROGRAM FUNDING SUMMARY:</p> <table border="1"> <thead> <tr> <th><u>Line Item No. & Name</u></th> <th><u>FY 2006</u></th> <th><u>FY 2007</u></th> <th><u>FY 2008</u></th> <th><u>FY 2009</u></th> <th><u>FY 2010</u></th> <th><u>FY 2011</u></th> <th><u>FY 2012</u></th> <th><u>FY 2013</u></th> </tr> </thead> <tbody> <tr> <td>Not Applicable</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			<u>Line Item No. & Name</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>FY 2012</u>	<u>FY 2013</u>	Not Applicable								
<u>Line Item No. & Name</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>FY 2012</u>	<u>FY 2013</u>												
Not Applicable																				
<p>(U) E. ACQUISITION STRATEGY:</p> <p>FY 2006. Five-year sole-source (one-year basic with four one-year options) contracts were awarded to SAIC and BAE SYSTEMS on 1 April 2002 (MEVATEC was bought by BAE in April 03, resulting in name change only) to support JFIIT (formerly named JCIET). The first year option was awarded on 1 April 2003 for both contracts. Second year option commenced November 2004. A two-year sole-source contract was awarded on 16 May 03, to Applied Data Trends, Inc. (ADTI), to provide computer-generated graphic display (Tactical Office software) support. A contract was awarded to Airborne Tactical Advantage Company (ATAC), on 12 May 03, to provide four foreign fighter-type aircraft to support JFIIT (formerly named JCIET) August 2003 event at Gulfport, MS. Efforts are underway to compete a new contract requirement for JFIIT (formerly named JCIET) to be awarded during FY 2006 (one year basic with four one-year options). JFIIT will continue to utilize competitive and sole-sourc contract procedures, to include reviewing Government agencies, to determine the best vendor to meet JFIIT requirements, at the best value.</p>																				
<p>(U) F. MAJOR PERFORMERS:</p> <p>NONE</p>																				
<p>(U) G. PERFORMANCE METRICS:</p>																				

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4			PROGRAM ELEMENT 0603857N - Joint Fires Integration and Interoperability Team (JFIIT)					PROJECT NUMBER AND NAME 2691 - Joint Fires Integration and Interoperability Team (JFIIT)				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY's Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development											0.000	0.000
Ancillary Hardware Development											0.000	0.000
Systems Engineering											0.000	0.000
Licenses											0.000	0.000
Tooling											0.000	0.000
GFE											0.000	0.000
Award Fees											0.000	0.000
Subtotal Product Development				0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Development Support											0.000	0.000
Software Development											0.000	0.000
Training Development											0.000	0.000
Integrated Logistics Support											0.000	0.000
Configuration Management											0.000	0.000
Technical Data											0.000	0.000
GFE											0.000	0.000
Subtotal Support				0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NUMBER AND NAME		
RDT&E, N / BA-4				0603857N - Joint Fires Integration and Interoperability Team (JFIIT)						2691 - Joint Fires Integration and Interoperability Team (JFIIT)		
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY's Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Evaluation Other Costs	MIPR	Various	3.382							Continuing	Continuing	
Operations Costs/Research	MIPR	JFIIT/Various	1.532							Continuing	Continuing	
Developmental Test and Evaluation	MIPR	Various	0.538							Continuing	Continuing	
Travel and Conferences	MIPR	JFIIT/Various	0.423							Continuing	Continuing	
Operational Test and Evaluation	SS/T&M	SAIC, BAE, CNA / Eglin AFB	8.847							Continuing	Continuing	
Operational Test and Evaluation	CPAF	TAMS / Eglin AFB	0.363							Continuing	Continuing	
Subtotal T&E			15.085	0.000		0.000		0.000		Continuing	Continuing	
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support												
Travel												
Subtotal Management			0.000	0.000		0.000		0.000				
Remarks:												
Total Cost			15.085	0.000		0.000		0.000		Continuing	Continuing	
Remarks:												

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Exhibit R-4a, Schedule Detail						DATE: February 2007		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT				PROJECT NUMBER AND NAME			
RDT&BA-4	0603857N - Joint Fires Integration and Interoperability Team (JFIIT)				2691 - Joint Fires Integration and Interoperability Team (JFIIT)			
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Prototype Phase								
System Design Review (SDR)								
Milestone II (MSII)								
Contract Preparation								
Software Specification Review (SSR)								
Preliminary Design Review (PDR)								
System Development								
Critical Design Review (CDR)								
Quality Design and Build								
Test Readiness Review (TRR)								
Developmental Testing (DT-IIA)								
Eng Dev Model (EDM) Radar Delivery - Lab								
Software Delivery 1XXSW								
Preproduction Readiness Review (PRR)								
EDM Radar Delivery - Flt Related								
Milestone C (MS C)								
Operational Testing (OT-IIA)								
Start Low-Rate Initial Production I (LRIP I)								
Software Delivery 2XXSW								
Developmental Testing (DT-IIB1)								
Developmental Testing (DT-IIB2)								
Start Low-Rate Initial Production II								
Operational Testing (OT-IIB)	1Q-4Q							
Developmental Testing (DT-IIC)								
Functional Configuration Audit (FCA)								
Low-Rate Initial Production I Delivery								
Technical Evaluation (TECHEVAL)								
Physical Configuration Audit								
Operational Evaluation (OT-IIC) (OPEVAL)								
Low-Rate Initial Production II Delivery								
IOC								
Full Rate Production (FRP) Decision								
Full Rate Production Start								
First Deployment								

Exhibit R-4a, Schedule Profile