

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2004</b>				
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-4</b>						R-1 ITEM NOMENCLATURE 0603857N - Joint Combat Identification Evaluation Team (JCIET)					
COST (\$ in Millions)	Prior Years Cost	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		Cost to Complete	Total Program
Total PE Cost		13.715	14.886	13.626	15.739	16.820	17.159	17.506		Continuing	Continuing
2691 - Joint Combat Identification Evaluation Team		13.715	14.886	13.626	15.739	16.820	17.159	17.506		Continuing	Continuing
											0.000
											0.000
											0.000
											0.000
											0.000
Quantity of RDT&E Articles											0
<p>(U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: JCIET conducts assessments and evaluations of combat identification capabilities in order to reduce the risk of fratricide and other friendly fire incidents. These JCIET events support the U.S. JFCOM mission of joint concept development and experimentation as directed in the Secretary of Defense's (SECDEF's) Defense Planning Guidance. JCIET event's are also an integral part of fulfilling JFCOM's responsibility outlined in the SECDEF's Transformation Planning Guidance (TPC) 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 is dependant on force availability within a particular exercise. Evaluation of each specific mission area requires 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 included individual soldiers and Marines are 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 OPFFOR is required within each mission area to generate valid combat identification scenarios. This OPFOR consisting of ground, air and naval forces will be real Former Soviet Union (FSU) equipment whenever practical and will be leased and transported from their home base to the various exercise venues.</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>											

R-1 SHOPPING LIST - Item No. 76

UNCLASSIFIED

Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, Page 1 of 9)

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification			DATE: <b>February 2004</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Combat Identification Evaluation Team	PROJECT NUMBER AND NAME 2691 - Joint Combat Identification Evaluation Team (JCIET)		
<b>(U) B. Accomplishments/Planned Program</b>				
	FY 03	FY 04	FY 05	FY06
<b>Field Evaluations</b>	3.866	4.380	2.569	
RDT&E Articles Quantity				
<p>JCIET 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 is dependant on force availability within a particular exercise. Evaluation of each specific mission area requires 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 included individual soldiers and Marines are 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 OPFFOR is required within each mission area as per direction outlined in Director, Force Transformation directive to generate valid combat identification scenarios. This OPFOR consisting of ground, air and naval forces will be real Former Soviet Union (FSU) equipment whenever practical and will be leased and transported from their home base to the various exercise venues.</p> <p><u>FY 2003 Accomplishments:</u> JCIET conducted a Joint Combat Identification Exercise (JCIDEX) in August of 2003 to continue our efforts in identifying combat identification and interoperability shortfalls and developing recommendations for their resolution. These recommendations were formulated into Transformation Change Proposals (TCPs) and forwarded to JFCOM for action. In addition, JCIET participated in the planning and execution of the Coalition Combat Identification Advanced Combat Technology Demonstration (CCID ACTD) field test and is conducting analysis of data collected during that event.</p> <p><u>FY 2004 Planned:</u> The JCIET Evaluation will be conducted in conjunction with USJFCOM sponsored enhanced category II training exercise Combined Joint Task Forces Exercise (CJTFFEX) 04-2. CJTFFEX 04-2 will be many times larger than any previous JCIET events and will be conducted at various geographically separated areas to include the Joint Training, Analysis, and Simulation Center (JTASC) in Suffolk VA, Camp Lejune NC, Shaw Air Force Base SC, and the Virginia Capes. The Evaluation will provide a realistic, joint task force combat scenario in a littoral battlespace. JCIET's evaluation 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. 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 will be employed in support of the exercise.</p> <p><u>FY 2005 Planned:</u> JCIET will conduct combat identification and interoperability evaluations in conjunction with JFCOM enhanced category II training exercises and Joint National Training Capability (JNTC) events in the areas of surface-to-surface, air-to-surface, surface-to-air, and air-to-air. JCIET is tasked to support Roving Sands 2005 at Ft Bliss and the White Sands Missile Range and a CCID ACTD experiment to be conducted in Europe. JCIET is also reviewing feasibility of supporting additional JNTC events in 2005 as tasked by JFCOM. JCIET operation will continue to require full instrumentation of all blue force and opposing force participants. All platforms including aircraft, ships at sea and land based assets will be fully instrumented.</p>				
	FY 03	FY 04	FY 05	
<b>JCIET Support</b>	1.200	1.270	1.343	
RDT&E Articles Quantity				
<p>JCIET is a tenant at Eglin AFB and requires base support to include: utilities, cleaning, communications, printing, shipping and vehicles. JCIET maintains and upgrades analytical capabilities with software and hardware improvements. The following major documents are published in preparation for and as a result of Field Evaluations: Evaluation Plan, Spin-Up Plan, BLUFOR and OPFOR Playbooks, National Technical Means Assessment, Redeployment Plan, Quick Look Report, and the Final Report. Briefings on findings and recommendations are prepared and made available for presentation to the Joint Staff, the Services and the Combatant Commanders. JCIET contracts for Technical and Acquisition Management Support through a Host Base contract vehicle.</p>				

R-1 SHOPPING LIST - Item No. 76

UNCLASSIFIED

Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, Page 2 of 9)

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification		DATE: <b>February 2004</b>
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Combat Identification Evaluation Team	PROJECT NUMBER AND NAME 2691 - Joint Combat Identification Evaluation Team (JCIET)

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

	FY 03	FY 04	FY 05	
<b>Annual Support Contracts</b>	8.349	8.836	9.289	
RDT&E Articles Quantity				

JCIET technical and support manpower for planning, execution, analysis and reporting for combat identification capabilities assessment, findings and recommendations is provided through various Advisory and Assistance Support contracts. JCIET events are developed to mirror real world joint combat operations. JCIET analyzes participant command and control systems, tactical displays, voice and data link communications, identification systems and engagement decisions to determine causes of fratricide and assist in developing findings and recommended solutions. Overall combat effectiveness to include target engagements, lost shot opportunities and missed targets are also evaluated and analyzed. A white force (evaluation control) network is designed and constructed for real-time mission monitoring of evaluation execution. A classified network is also designed and constructed to support participants at different geographical locations in the conduct and debrief of the daily missions at the SECRET level to allow participants the opportunity to discover, learn, and adjust Tactics, Techniques and Procedures (TTP) and systems performance for the subsequent mission.

	FY 03	FY 04	FY 05	
<b>Travel and Conferences</b>	0.300	0.400	0.425	
RDT&E Articles Quantity				

JCIET hosts or attends numerous planning conferences to include Airspace, OPFOR, Initial Planning, Mid-Planning and Final Planning. Warfighter participants are an integral part of the planning process including scenario development and preparation for interoperability between the services. Site visits required to prepare for events will be conducted as necessary. The JCIET staff also provides technical and operational support to forums dealing with combat ID and friendly fire issues.

R-1 SHOPPING LIST - Item No. 76

UNCLASSIFIED

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification			DATE: <b>February 2004</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDTE, N / BA-4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Combat Identification Evaluation Team	PROJECT NUMBER AND NAME 2691 - Joint Combat Identification Evaluation Team (JCIET)		

**(U) C. PROGRAM CHANGE SUMMARY:**

(U) Funding:	FY 2003	FY 2004	FY 2005
FY04 President's Budget	14.084	16.765	15.218
FY05 President's Budget	13.715	14.886	13.626
Total Adjustments	-0.369	-1.879	-1.592
Summary of Adjustments			
FY03 SBIR Assessment	-0.369		
Sec. 8094: Management Improvements		-0.040	
Sec. 8029: FFRDC Reduction		-0.011	
Sec 8126: Efficiencies/Rev Con Assumptions		-0.128	
Congressional adjustment - Insufficient Justification		-1.700	
Funding repriorization			-1.585
Non purchase inflation			-0.007
Subtotal	-0.369	-1.879	-1.592

(U) Schedule:  
Not Applicable

(U) Technical:  
Not Applicable

R-1 SHOPPING LIST - Item No. 76

UNCLASSIFIED

**UNCLASSIFIED**

**CLASSIFICATION:**

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2004</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-4</b>			PROGRAM ELEMENT NUMBER AND NAME 0603857N - Joint Combat Identification Evaluation Team			PROJECT NUMBER AND NAME 2691 - Joint Combat Identification Evaluation Team (JCIET)			
<b>(U) D. OTHER PROGRAM FUNDING SUMMARY:</b>									
<u>Line Item No. &amp; Name</u>	<u>FY 2003</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>Complete</u>	<u>To Cost</u> <span style="float: right;">Total</span>
Not Applicable									
<b>(U) E. ACQUISITION STRATEGY: *</b>									
<p>FY 2003-05. 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). The first year option was award on 1 April 2003 for both contracts. 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 JCIET August 2003 event at Gulfport, MS. JCIET will continue to utilize competitive and sole-source contract procedures, to include looking at Government agencies, to determine the best vendor to meet JCIET requirements, at the best value.</p>									
<p>* Not required for Budget Activities 1,2,3, and 6</p>									

R-1 SHOPPING LIST - Item No. 76

**UNCLASSIFIED**

**Exhibit R-2, RD TEN Budget Item Justification**  
(Exhibit R-2, Page 5 of 9)

**UNCLASSIFIED**

February 2004

Development Support											0.000	
Software Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
Studies & Analyses											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, Page 6 of 9)

# UNCLASSIFIED

**CLASSIFICATION:**

Exhibit R-3, Project Cost Analysis										DATE: <b>February 2004</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-4</b>				PROGRAM ELEMENT 0603857N - Joint Combat Identification Evaluation Team			PROJECT NUMBER AND NAME 2691 - Joint Combat Identification Evaluation Team (JCIET)					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Operational Test & Evaluation	SS/T&M	SAIC - Eglin AFB	13.676	5.391	04/03	5.483	04/04	5.589	04/04	Continuing	Continuing	Continuing
Developmental Test & Evaluation	MIPR	Various	2.857	1.000	Various	1.000	Various	1.000	Various	Continuing	Continuing	Continuing
Operational Test & Evaluation	SS/T&M	BAE - Eglin AFB	6.328	2.616	04/03	3.000	04/04	3.338	04/04	Continuing	Continuing	Continuing
Evaluation Other Costs	MIPR	Various	10.806	2.866	Various	3.380	Various	1.569	Various	Continuing	Continuing	Continuing
Travel and Conference	MIPR	JCIET/Various	2.135	0.300	Various	0.400	Various	0.425	Various	Continuing	Continuing	Continuing
Operation Costs/Research	MIPR	JCIET/Various	3.744	1.200	Various	1.270	Various	1.343	Various	Continuing	Continuing	Continuing
Operational Test & Evaluation	CPAF	TAMS II - Eglin AFB		0.342	04/03	0.353	04/04	0.362	04/04	Continuing	Continuing	Continuing
Subtotal T&E			39.546	13.715		14.886		13.626		Continuing	Continuing	
Remarks:												
Contractor Engineering Support											0.000	
Government Engineering Support											0.000	
Program Management Support											0.000	
Travel											0.000	
Transportation											0.000	
SBIR Assessment											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost			39.546	13.715		14.886		13.626		Continuing	Continuing	
Remarks:												

R-1 SHOPPING LIST - Item No. 76

# UNCLASSIFIED

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, Page 7 of 9)

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R4, Schedule Profile																				DATE: February 2004								
APPROPRIATION/BUDGET ACTIVITY					PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME													
RDT&E, N /					0603857N - Joint Combat Identification Evaluation Team										2691 - Joint Combat Identification Evaluation Team (JCIET)													
Fiscal Year	2003				2004				2005				2006				2007				2008				2009			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JCIET Events			★				☆			☆		☆						TBD				TBD				TBD		
Planning																												
Publications Milestones		▲▲		△△	△		△	△△	△△	△	△	△	△	△△														

\* Note required for Budget Activities 1, 2, 3, and 6.

R-1 Shopping List - Item No. 76

UNCLASSIFIED

**Exhibit R-4, Schedule Profile**  
(Exhibit R-4, Page 8 of 9)



**UNCLASSIFIED**

**CLASSIFICATION:**

[illegible]

R-1 SHOPPING LIST - Item No.

76

**UNCLASSIFIED**

**Exhibit R-4a, Schedule Detail**  
(Exhibit R-4a, Page 9 of 9)