

UNCLASSIFIED

EXHIBIT R-2, FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION

DATE: June 2001

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROGRAM ELEMENT TITLE: All Service Combat Identification Evaluation Team

PROJECT TITLE: ASCIET

(U) COST (Dollars in thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
X2691 All Service Combat Identification Evaluation Team (ASCIET)	13,898	12,989	13,530	0	0	0	0	0	CONT.	CONT.
TOTAL	13,898	12,989	13,530	0	0	0	0	0	CONT.	CONT.

Note: ASCIET was transferred from the Joint Staff to the Navy in FY00.

- A. (U)MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The All Service Combat Identification Evaluation Team (ASCIET) was formed from the OSD-Sponsored Joint Air Defense Operations/Joint Engagement Zone (JADO/JEZ) Joint Test and Evaluation Program conducted during FY 1990 through FY 1994. The ASCIET mission is to investigate, evaluate and assess combat identification (CID) concepts and selected critical warfighting areas on the joint battlefield and provides recommendations that address organization, systems, technology, tactics, techniques and procedures (TTP) and doctrine. The ASCIET 2001 evaluation will be conducted in September 2001 at the Camp Shelby ranges and also utilize the Gulfport Combat Readiness Training Center.
- B. (U)JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under DEMONSTRATION AND VALIDATION because it evaluates integrated technologies in a realistic operational environment; assesses the performance potential of current TTPs, and weapons systems; and helps expedite technologies meeting joint warfighters' needs.

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C. (U)PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U)FY 2000 Accomplishments:

- (U)(\$6,034) Evaluation Support. The ASCIET 2000 Evaluation was conducted from 28 February through 10 March 2000 in an area encompassing Fort Stewart, Hunter AAF, Wright AAF, Savannah GA ANG Combat Readiness Training Center (CRTC), NAS Jacksonville, FL W-157/158 (over-water ranges), and the Quick Thrust/Gator/Moody, and Live Oak MOAs. This evaluation was comparable in size and scope to the ASCIET 1999 Evaluation. The mission areas for the ASCIET 2000 Evaluation were Surface to Surface (S-S), Air-to Surface (A-S), and Air Defense (AD). ASCIET 2000 was fifth in a series of combat ID evaluations. ASCIET paid for the travel and per diem of approximately 3,500 active duty, reserve and national guard participants. Involvement also included service sponsored technologies from industry and United Kingdom Forces. Every participant moving on the battlespace during the vulnerability window was instrumented for Time-Space-Position Information (TSPI) and weapon engagements. ASCIET-funded contractor support was used for the installation of all instrumentation as well as its reliability and accuracy. OPFOR vehicles and air defense systems comprised actual Former Soviet Union equipment and were leased and transported from home base to the evaluation location. Real-time Casualty Assessments (RTCA) and kill removals were used when appropriate. Participants compared their perceptions (tactical picture) against what actually took place on the battlefield (truth data) during post-mission debriefs. Participants were encouraged to develop innovations in Tactics, Techniques, and Procedures (TTP) to improve joint combat ID during the course of the evaluation. In addition to TTP excursions, ASCIET also measured the influence of certain developmental technologies against the baseline of currently fielded systems. This class of technology was considered "on-line", and the influence of those technologies on combat ID will be evaluated and reported. ASCIET also allowed certain technologies to participate on a not-to-interfere basis or "off-line" status. "Off-line" technologies are not part of the analysis and are not evaluated in the ASCIET final report.

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- (U)(\$1,401)ASCIET Support. ASCIET is a tenant of Eglin AFB and utilized base support to include utilities, waste disposal, cleaning contracts. These are new costs for ASCIET incurred by the transfer to CINCUSJFCOM. In prior years, ASCIET as Detachment 1 of the 53rd Fighter Wing, was not required to pay such bills as they were covered by the 53rd Fighter Wing. ASCIET will maintain and upgrade its analytical capabilities with software and hardware improvements. The following major documents were published for ASCIET 2000: Evaluation Spin-up Plan, Evaluation Plan 45-day Quick Look Report and Final Report. Quick Look and Final results briefings were prepared and presented to the Joint Staff, the Services and the Commanders-in-Chief (CINCs). The ASCIET staff also provides technical and operational support to forums dealing with combat ID issues e.g., the Joint Integrated Air Defense Interoperability Working Group and the Worldwide Combat ID conference.
- (U)(\$6,128) Annual Contracts. The ASCIET 2000 evaluation scenario was developed to closely mirror realworld joint combat operations. Participant command and control system data tactical displays, voice and data link communications, identification system data engagement decisions were thoroughly analyzed to determine causes of fratricide and assist in developing solutions. Overall mission effectiveness to include exchange ratios, lost shot opportunities and missed targets were also evaluated and analyzed. ASCIET's focus is on tactics, techniques and procedures (TTP), interoperability and combat systems. A white force (evaluation control) network will be designed and constructed to meet ASCIET 2001 scenario requirements. A classified debriefing network will also be designed and constructed to allow participants at eight different geographical locations, including ships at sea, to debrief the daily missions. This debriefing process will allow participants the opportunity to discover, learn, and adjust TTP and systems performance for the following day.
- (U)(\$335) Conferences. ASCIET hosted the following conferences: Airspace, OPFOR, Initial Planning, Mid-Planning, and Final Planning. Warfighter participants were an integral part of the planning process for realistic scenario development and preparation for interoperability among the services.

2. (U)FY 2001 PLAN:

- (U)(\$4,510) Evaluation Support. ASCIET 2001 will be a simulated combat, realistic, joint task force scenario in a littoral battlespace. ASCIET's expanded surface-to-surface and air-to-surface operations will require full instrumentation of a battalion size task force, an opposing (OPFOR) and airborne platforms. Air defense platforms including aircraft, ships at sea and land based

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assets will be fully instrumented. Instrumentation provides time, space, position information and shot pairing for real time casualty assessment, and kill removal for post-mission and post-evaluation analysis. Results from the instrumentation will point to solutions to combat ID deficiencies. Contractor support will be required for instrumentation installation and checkout to ensure instrumentation is reliable and accurate. OPFOR vehicles and air defense systems will be actual Former Soviet Union equipment and will be leased and transported from home base to the evaluation location. ASCIET will fund travel, billeting and per diem for 3500 participants consisting of service warfighters and augmentees for security, weapons systems expertise and airspace support (FAA). Site visits required to prepare for the evaluation will be conducted as necessary. The venue for ASCIET 2001 is Camp Shelby and the Gulfport CRTC, Mississippi operating locations.

- (U)(\$1,443) ASCIET Support. ASCIET will remain a tenant at Eglin AFB requiring base support including utilities, waste disposal and cleaning contracts. These were new costs for ASCIET in FY 00, brought about due to the transfer to USJFCOM. In prior years, ASCIET as Detachment 1 of the 53rd Wing was not required to pay such bills. ASCIET will maintain and upgrade analytical capabilities with needed software and hardware improvements. The following major documents will be published for ASCIET 2001: Evaluation Spin-up Plan, Evaluation Plan, 45-day Quick Look Report and a Final Report. Quick Look and Final results briefings will be prepared and presented to the Joint Staff, the Services and the Commanders-in-Chief (CINCs). The ASCIET staff will provide technical and operational support to forums dealing with combat ID issues e.g., the Joint Integrated Air Defense Interoperability Working Group and the World Wide Combat ID conference.
- (U)(\$6,736) Annual Contracts. The ASCIET 2001 evaluation scenario will be developed to mirror real world joint combat operations. Participant command and control systems, data tactical displays, voice and data link communications, identification systems and data engagement decisions will be thoroughly analyzed to determine causes of fratricide and assist in developing solutions. Overall combat effectiveness to include exchange ratios, lost shot opportunities and missed targets will also be evaluated and analyzed. ASCIET's focus will be on tactics, techniques and procedures (TTP), interoperability and combat systems. A white force (evaluation control) network will be designed and constructed to meet ASCIET scenario requirements. A classified debriefing network will also be designed and constructed to allow participants at different geographical locations, including ships at sea, to debrief the daily missions. This debriefing process will allow participants the opportunity to discover, learn and adjust TTP and systems performance for the subsequent mission.

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- (U)(\$300) Conferences. ASCIET will host five planning conferences: Airspace, OPFOR, Initial Planning, Mid-Planning and Final Planning. Through these planning conferences, warfighter participants will be an integral part of the planning process including scenario development and preparation for interoperability between the services.

3. (U)FY 2002 PLAN:

- (\$4,715)Evaluation Support. ASCIET's expanded surface-to-surface and air-to-surface operation will continue to require full instrumentation of a battalion size task force, an opposing (OPFOR) and airborne platforms. Air defense platforms including aircraft, ships at sea and land based assets will be fully instrumented. Instrumentation provides time, space, position information and shot pairing for real time casualty assessment, and kill removal subsequent analysis. Results from the instrumentation will point to solutions to combat ID deficiencies. Contractor support will be required for instrumentation installation and checkout and to ensure instrumentation is reliable and accurate. OPFOR vehicles and air defense systems will be real Former Soviet Union equipment and will be leased and transported from their home base to the evaluation location. ASCIET will fund travel, billeting and per diem for participants consisting of service warfighters and augmentees for security, weapons systems expertise and airspace support (FAA). Site visits required to prepare for the evaluation will be conducted as necessary.
- (U)(\$1,442) ASCIET Support. ASCIET will remain a tenant at Eglin AFB requiring base support including utilities, waste disposal and cleaning contracts. These were new costs for ASCIET in FY 00, brought about due to the transfer to USJFCOM. In prior years, ASCIET as Detachment 1 of the 53rd Wing was not required to pay such bills. ASCIET will maintain and upgrade analytical capabilities with needed software and hardware improvements. The following major documents will be published for ASCIET 2002: Evaluation Spin-up Plan, Evaluation Plan, 45-day Quick Look Report and a Final Report. Quick Look and Final results briefings will be prepared and presented to the Joint Staff, the Services and the Commanders-in-Chief (CINCs). The ASCIET staff will provide technical and operational support to forums dealing with combat ID issues e.g., the Joint Integrated Air Defense Interoperability Working Group and the World Wide Combat ID conference.
- (U)(\$7,073) Annual Contracts. The ASCIET 2002 evaluation scenario will be developed to mirror real world joint combat operations. Participant command and control systems, data tactical displays, voice and data link communications, identification systems and data engagement decisions will be thoroughly analyzed to determine causes of fratricide and assist in developing solutions. Overall combat effectiveness to include exchange ratios, lost shot opportunities and missed targets will also be evaluated and analyzed. ASCIET's focus will be on tactics, techniques and procedures

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(TTP), interoperability and combat systems. A white force (evaluation control) network will be designed and constructed to meet ASCIET scenario requirements. A classified debriefing network will also be designed and constructed to allow participants at different geographical locations, including ships at sea, to debrief the daily missions. This debriefing process will allow participants the opportunity to discover, learn and adjust TTP and systems performance for the subsequent mission.

- (U)(\$300) Conferences. ASCIET will host five planning conferences: Airspace, OPFOR, Initial Planning, Mid-Planning and Final Planning. Through these planning conferences, warfighter participants will be an integral part of the planning process including scenario development and preparation for interoperability between the services.

D. (U) PROGRAM CHANGE SUMMARY: ASCIET was realigned from the Joint Staff to the Navy effective FY 00. Prior year funds are reflected in the Joint Staff RDT&E, DW budget submission.

FY 2000: JCS directed Navy fair share for the full scale 2000 Evaluation (One time +\$1,000K)
Section 8055 Congressional Proportionate Rescission (-\$51K)

FY 2001: Section 8086 .7% Pro-Rata Reduction (-\$92K)
Government-Wide Rescission: PL 106-554, Sec 14 (-\$29K)

E. (U) OTHER PROGRAM FUNDING SUMMARY: (Dollars in thousands)

FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
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(U) Procurement		*	*				
(U) O&M		*	*				

Note: *O&M and procurement funds remain funded with Air Force (Air Combat Command) and did not shift to Navy for executive agency.

F.(U) ACQUISITION STRATEGY

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FY 2000 - 03.

Competitive contract was awarded to SAIC in Sept 98 on a GSA schedule for ASCIET advisory and technical support, also contract awarded to MEVATEC on 1 Feb 95 (2 year + 3 option years). Plan to compete through GSA in FY 02. Authorize several sole source contracts for short periods to conduct scheduled evaluations that include video conferencing ability, and software applications and instrumentation packages for vehicles for data collection.

G. (U) SCHEDULE PROFILE: Not Applicable

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EXHIBIT R-3, FY 2002 RDT&E,N PROJECT COST ANALYSIS

DATE: MAY 2001

BUDGET ACTIVITY: 4

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Exhibit R-3 Cost Analysis (page 1)										Date: MAY 2001		
APPROPRIATION/BUDGET ACTIVITY 1319/BA 4				PROGRAM ELEMENT: 0603857N						PROJECT NAME AND NUMBER: ASCIET/X2691		
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY01 Cost	FY01 Award Date	FY02 Cost	FY02 Award Date	FY03 Cost	FY03 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Operational Test & Evaluation	C/FP PO	SAIC Eglin AFB	4214	4492	01/01	4717	01/02			Cont	Cont	Cont
Operational Test & Evaluation	SS/CPF F MIPR	Stanford Research Inst., Menlo Park CA	1575	812	04/01	615	12/01			Cont	Cont	Cont
Operational Test & Evaluation	SS/FP PO	MEVATEC Eglin AFB	1914	2244	02/01	2356	02/02			Cont	Cont	Cont
Evaluation Other Costs	Niper/PO	FY00 Savannah FY01 Gulf Port Camp Shelby MS	4209	3448	Var	3665	Var			Cont	Cont	Cont
Travel and Conference		ASCIET/Various	735	700	Var	735	Var			Cont	Cont	Cont
Operation Costs/Research		ASCIET/Various	1251	1293	Var	1442	Var			Cont	Cont	
Subtotal T&E			13898	12989		13530				Cont	Cont	Cont
Remarks:												
Subtotal Support												

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Remarks

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Exhibit R-3 Cost Analysis (page 2)										Date: SEP 2000		
APPROPRIATION/BUDGET ACTIVITY: 1319/BA 4				PROGRAM ELEMENT: 0603857N						PROJECT NAME AND NUMBER: ASCIET/x2691		
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY01 Cost	FY01 Award Date	FY02 Cost	FY02 Award Date	FY03 Cost	FY03 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal T&E												
Remarks												
Subtotal Management												
Remarks												
Total Cost			13898	12989		13530				Cont.	Cont.	Cont.
Remarks												