

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

(U) COST (Dollars in thousands)

PROJECT NUMBER & TITLE	FY 1999 ACTUAL	FY 2000 ESTIMATE	FY 2001 ESTIMATE	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
X2691 All Service Combat Identification Evaluation Team (ASCIET)									
	*	12,949	13,110	13,310	13,525	13,500	13,484	CONT.	CONT.
TOTAL	*	12,949	13,110	13,310	13,525	13,500	13,484	CONT.	CONT.

Note: * Moved ASCIET from the Joint Staff to CINCUSACOM and ASCIET's RDT&E funding to the Department of Navy, Air Force as Executive Agent, effective FY 00. Prior year funds are reflected in the Joint Staff RDT&E, Defense Wide (DW) budget submission. Funds for this program were transferred from the Joint Staff to the Department of Navy, which moves ASCIET from CJCS to CINCUSJFCOM beginning in FY00.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The All Service Combat Identification Evaluation Team (ASCIET) transferred from General Officer Steering Committee-Combat Identification (GOSC-CI) oversight to the Joint Staff during FY 1998. 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. JADO/JEZ tested the ability of Service forces to execute an effective air defense (air-to-air and surface to air) network in a tactical environment. Because of the relatively high fratricides (ground-to-ground and air-to-ground) experienced in DESERT STORM and other conflicts, in December 1993, the Joint Requirements Oversight Council (JROC) directed that the JADO/JEZ Program convert to the ASCIET Program on 1 October 1994. ASCIET ran evaluations in 95, 96 and 97 in the Gulfport/Camp Shelby MS area. However because the Army was dissatisfied with the small maneuver area at Camp Shelby, ASCIET was directed by GOSC-CI to conduct Joint Service site surveys to find an operational area which would better support all four Services' mission needs, and simultaneously support evaluation of all four combat ID mission areas. In addition the area of operations had to support cost effective, full instrumentation for collection of time, space, position information and shot pairing. Based on the Joint surveys, in March of 1998 the JROC selected Ft Stewart GA/East Coast as the ASCIET 99 evaluation venue and directed that ASCIET conduct a four mission area evaluation in the Ft Stewart area. The ASCIET Mission is to investigate, evaluate and assess combat identification (CID) concepts and selected critical warfighting areas on the joint battlefield and provide recommendations that address organization, systems, technology, tactics, techniques and procedures (TTP) and doctrine. As part of JFCOM, ASCIET will become the primary demonstration/experimentation venue that utilizes and evaluates operational forces and robust tactical Command, Control, Communications, Computers and Intelligence (C4I) networks. Defense Reform Initiative Directive (DRID) #29 directed a study to determine which "joint agencies" should be transferred to a Unified Commander-in-Chief. The study determined that ASCIET should be transferred to the then United States STET Command (USACOM). As such,

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

Assigned Air Force as Executive Agent for ASCIET. Subsequently, CINC USJFCOM has directed ASCIET to continue its surface-to-surface, air-to-surface emphasis with a fix-test-fix approach to air defense in the Ft Stewart area for FY2000. Some future evaluations may take place at the National Training Center.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under DEMONSTRATION AND VALIDATION because it includes efforts to evaluate integrated technologies in as realistic an operating environment as possible to assess the performance potential of current TTPs, weapons systems, and to help expedite technologies that meet the joint warfighters' needs.

B. (U) PROGRAM CHANGE SUMMARY: Moved ASCIET from the Joint Staff to CINCUSACOM and ASCEIT's RDT&E funding to the Department of Navy, Air force is Executive Agent for CINCUSACOM, effective FY 00. Prior year funds are reflected in the Joint Staff RDT&E, DW budget submission.

FY 2000: Congressional reduction (-\$78K).

FY 2001: Miscellaneous Departmental adjustments (-138K).

(U) Funding: RDT&E funds were budget base transferred from Joint Staff's RDT&E, DW budget to SPAWAR's RDT&E,N budget.

(U) Schedule: No change.

(U) Technical: No change.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 1999 ACCOMPLISHMENTS:

- (U) USCINACOM Implementation Plan (I-Plan) for the All Service Combat Identification Team (ASCIET) approved is CINCUSACOM's concept and plan for executing the Charter for ASCIET. It establishes the transfer time table and methodology. Describes how USJFCOM will task organize to accomplish the mission. ASCIET conducted the ASCIET 99 evaluation in the Ft Stewart/East Coast area in the February - March 99 time frame. This evaluation was an increase in scope to the surface-to-surface (from company to battalion size elements) and also an expanded emphasis on air-to-surface. In order to meet these requirements, ASCIET changed its venue to a larger maneuver area (Ft Stewart, GA.) for ASCIET 99.

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

- (U) FY 1999 EVALUATION: The priorities for ASCIET 99 were Surface-to-Surface (S-S) Air-to-Surface (A-S), and Air Defense (AD) that includes surface-to-air and Air-to-Air (A-A). ASCIET 99, Held from 1 through 11 March, was fourth in a series of annual ASCIET combat ID evaluations. There were over 5,000 participants from the four services including reserve components and service-sponsored technologies from industry. ASCIET 99 was conducted in an area that encompassed Fort Stewart, Hunter AAF, Wright AF, Savannah GA ANG Combat Readiness Training Center (CRTC), NAS Jacksonville, FL W-157/158 (over-water ranges), and the Quick Thrust/Gator/Moody/Live Oak Military Operating Areas (MOAs). The S-S evaluation utilized the Fort Stewart maneuver ranges. The A-S Quick Thrust MOAs R3005A/B/C/D/E/, and R3007A/B/C/D/E ranges. The AD evaluation was conducted over water in W157/158 ranges and over land in the Quick Thrust, Gator, Moody, and Live Oak MOAs. Blufor aircraft operated from Savannah CRTC, Hunter AAF, Moody AFB, and NAS Norfolk, OPFOR aircraft operated from NAS Jacksonville, NAS Cecil Field, NAS Oceana, and Robins AFB. The war was conducted during a 5-hour vulnerability window each evaluation day. The vulnerability window on 1-5 March was 0900-1400 to support daylight operations. The vulnerability window on 7-11 March was 1700-2200 to support daylight operations transitioning to night operations. The evaluation environment was an air, land, and sea joint littoral battle space in a mild climate. The land range included moderately rolling terrain and vegetation that limited clear lines of sight and encouraged use of terrain-masking techniques. The airspace was a compilation of MOAs, warning and restricted areas and Altitude Reservation (ALTREVS) to create a seamless airspace allowing multi-axis overland and over-water attacks culminating at the ground battle. Some flight restrictions were necessary to comply with airspace limitations. Every participant that moved during the vulnerability window was instrumented for Time-Space-Position Information (TSPI) and weapon engagements. Real-Time Casualty Assessments (RTCA) and kill removals were used when appropriate. Players compared their perceptions against what actually took place on the battlefield during truth-based postmission debriefs. These factual debrief provided an opportunity for discovery and learning. Participants were encouraged to develop innovations in Tactic, 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 base line 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 in an off-line status. Offline-line technologies are not part of our analysis and will not be evaluated in the ASCIET final report.

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

2. (U) FY 2000 PLAN:

- (U) (\$5,660) Evaluation Support. ASCIET 2000 will be a simulated combat, realistic, joint task force scenario in littoral area. 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 (OPROR) 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 over 6000 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) (\$851) ASCIET Support. ASCIET will remain as a tenant at Eglin AFB requiring base support including utilities, waste disposal and cleaning contracts. These are new costs for ASCIET brought about due to the transfer to USACOM. 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 analysis capabilities with needed software and hardware improvements. The following major documents will be published for ASCIET 2000: Evaluation Spin-up Plan, Evaluation Plan 45-day Quick Look Report and 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) (\$6,133) Annual Contracts. The ASCIET 2000 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 data engagement decisions will be thoroughly analyzed to determine cause of fratricide and assist in developing solutions. Overall mission 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 2001 scenario requirements. A classified debriefing network will also be designed and constructed to allow participants at up to eight different geographical locations, including ships at sea, to debrief the mission of the day. This

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

debriefing process will allow the participants the opportunity to discover and learn and to adjust TTP and systems performance for the following day.

- (U) (\$305) Conferences. ASCIET will host five planning conferences: Air Space, OPFOR, Initial Planning, Mid-Term 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.

- (U) Venue for FY00 is currently planned for the Ft Stewart, GA area. Fiscal considerations dictate that the FY00 evaluation again be conducted at Ft Stewart and the surrounding area; however, this is an ongoing staff effort and will require service component coordination.

- 3. (U) FY 2001 PLAN:
 - (U) (\$5,732) Evaluation Support. ASCIET 2001 will be a simulated combat, realistic, joint task force scenario in littoral area. 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 over 6000 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) (\$932) ASCIET Support. ASCIET will remain as a tenant at Eglin AFB requiring base support including utilities, waste disposal and cleaning contracts. These are new costs for ASCIET brought about due to the transfer to USACOM. In prior years, ASCIET as Detachment 1 of the 53rd Fighter Wing was not required to pay such bills as the 53rd Fighter Wing covered them. ASCIET will maintain and upgrade its analysis 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 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

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROLGRAM ELEMENT TITLE: JWE - BATTLE LAB

e.g., the Joint Integrated Air Defense Interoperability Working Group and the World Wide Combat ID conference.

- (U) (\$6,125) 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 data engagement decisions will be thoroughly analyzed to determine cause of fratricide and assist in developing solutions. Overall mission 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 2001 scenario requirements. A classified debriefing network will also be designed and constructed to allow participants at up to eight different geographical locations, including ships at sea, to debrief the mission of the day. This debriefing process will allow the participants the opportunity to discover and learn and to adjust TTP and systems performance for the following day.
- (U) (\$321) Conferences. ASCIET will host five planning conferences: Air Space, OPFOR, Initial Planning, Mid-Term 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.

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

	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TO	TOTAL
	ACTUAL	ESTIMATE	ESTIMATE	ESTIMATE	ESTIMATE	ESTIMATE	ESTIMATE	COMPLETE	PROGRAM

(U) Procurement *

(U) O&M *

Note: *O&M and procurement funds remain funded in XXXX and did not shift to Navy for executive agency.

(U) RELATED RDT&E: Not applicable

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROGRAM ELEMENT TITLE: JWE - BATTLE LAB

D. (U) ACQUISITION STRATEGY

- FY 1999-01.

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). Several Sole source contracts for short periods to conduct the annual evaluation that include Video Conferencing ability to software applications and instrumentation packages for vehicles for data collection.

EXHIBIT R-3, FY 2001 RDT&E,N PROJECT COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROGRAM ELEMENT TITLE: JWE - BATTLE LAB

Exhibit R-3 Cost Analysis (page 1)								Date: FEB 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	FY99 Cost	FY99 Award Date	FY00 Cost	FY00 Award Date	FY01 Cost	FY01 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Operational Test & Evaluation	C/FP PO	SAIC EGLIN AFB				4,214	15 Oct	4,214		Cont	Cont	Cont
Operational Test & Evaluation	SS/CPFF MIPR	Stanford Research Inst, Menlo Park CA				148		148		Cont	Cont	Cont
Operational Test & Evaluation	SS/FP PO	MEVATEC EGLIN AFB				1,914	31 Jan	1,914		Cont	Cont	Cont
Evaluation other Costs	Niper/PO	Savannah GA				5,780	Var	5,758		Cont	Cont	Cont
Travel and Conferences		ASCIET/ Various	.			709		773		Cont	Cont	Cont
Operation Costs/Research		ASCIET/ Various	.			184		303		Cont	Cont	Cont
Subtotal T&E						12,949		13,110				
Remarks:												
Subtotal Support												

EXHIBIT R-3, FY 2001 RDT&E,N PROJECT COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603857N

PROJECT NUMBER: X2691

PROGRAM ELEMENT TITLE: JWE - BATTLE LAB

Exhibit R-3 Cost Analysis (page 2)								Date: FEB 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	FY99 Cost	FY99 Award Date	FY00 Cost	FY00 Award Date	FY01 Cost	FY01 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal T&E												
Remarks												
Subtotal Management												
Remarks												
Total Cost								12,949		13,110		