

Joint Test & Evaluation Program



Program Overview

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What is the JT&E Program?

- **DOT&E program to assist the warfighter in solving operational issues through the development of tactics, techniques, and procedures; changes to operational processes; and C4ISR architectures**
- **Issues are resolved using operational test and evaluation techniques; not experiments, not demonstrations**
- **Joint operational solutions are the principal products of JT&E projects – not hardware acquisition products**

How Does the Program Work?

- **Nominating organization proposes JT&E project to resolve operational issue**
- **Selected nominations are chartered and funded by DOT&E but led by the nominating Service or COCOM**
- **Joint Test team resolves the operational issue by finding a process solution**
- **Services and COCOMs team with JT&E Program to provide military personnel, test assets, and test venues and facilities**
- **Test products are new joint tactics, techniques, and procedures; architectures; and processes**

Joint Test & Evaluation Methodology

DOT&E/JT&E Support

Contractor Support, Unique Test Funding, Logistics, Security and Program Oversight and Structure

Nominator
*Any COCOM,
Service, Joint
Staff, or
Agency*
Relevant Joint
Issue Needing a
Solution

Joint Test

3-year effort lead by the nominating agency.
Supported by Services & COCOMs as needed to
solve the issue.

Quick Reaction Test

1-year effort lead by Service OTAs to quickly
solve a specific issue.

Warfighter Solutions

TTPs, Doctrine,
Architectures,
Methodologies

Sponsor Support

(COCOM, Service, OSD Agencies)
Facilities, Test Assets, Military/Government Personnel

Joint Test and Evaluation Purpose

- **Find ways for the warfighters to do their jobs better with today's equipment, organization, and doctrine**
- **Provide better tools and ways to test**
 - **Improve testing methodologies that have multi-Service applications**
 - **Improve modeling and simulation validity with field exercise data**
- **Provide feedback to the acquisition and joint operations communities**

Annual Budget – Approximately \$40M

Two Avenues to Conduct Joint Testing

Quick Reaction Tests

- Quickly **addresses** specific and focused **warfighter issue** within scope of JT&E program purpose
- Accelerated review, approval, execution
- Duration: **6-12 months** (Nomination-to-Final Report)
- Sponsors: COCOMs, JFCOM, Services, OSD
- Executed by Service OTAs
- Product provides specific answer to a specific question
- Resourcing for OTA participation in accordance with JT&E guidelines

Streamlined JT&E Projects

- In-depth, methodical evaluation of issues within scope of JT&E program purpose
- Duration: **3 years maximum** (Charter-to-Closedown)
- Sponsors: COCOMs, JFCOM, Services, OSD
- Executed by Service-led JT&E test teams
- Delivers defined and useful products to warfighter
 - *Both interim and final products required*

The JT&E Process

Services or Sponsoring COCOM provides:
Government personnel, facilities, and O&M support.
DOT&E provides dollars for test specific support including contractor support

Planning Committee:
Initial Prioritization

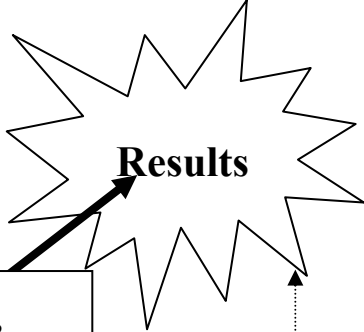
Nomination
From Services, COCOMs, OSD Agencies

Senior Advisory Council (SAC):
Prioritizes

Joint Feasibility Study
(7 months)

Senior Advisory Council (SAC):
Prioritizes

Joint Test & Evaluation
(3 years)



Results

Interim Products

Results

Technical Advisory Board - Provides Review & Mentorship to JFS

Results

Joint Test and Evaluation Program

**Current Feasibility Studies,
Tests and QRTs**

New Joint Feasibility Study

- **Joint Test and Evaluation Methodology (JTEM) Joint Feasibility Study –** JTEM will validate a methodology defining and using distributed live, virtual, constructive test environment to evaluate system performance and joint mission effectiveness to include defining processes necessary to institutionalize testing in a joint environment.
 - **During FY06, JTEM will complete a joint feasibility study that will determine necessity and feasibility for conducting the proposed JT&E project.**
 - **Proposed Test Products: Capability to efficiently develop live, virtual, and constructive simulation-based test environments, based on joint mission areas and the joint tactical tasks, that enable the testing of new weapon systems in a robust, realistic, joint operational environment.**

Joint T&E Projects and Quick Reaction Tests

- Joint Integration And Interoperability Of Special Operations (JIISO) - Tests and improves the integration and interoperability of Special Operations and Conventional Forces mission planning and execution capabilities in support of Joint missions.
- Joint Methodology to Assess C4ISR Architecture (JMACA) - Has developed and is validating a methodology to assess C4ISR architectures as they relate to mission outcome.
- Joint Data Link Information (JDICE) - Develops JTTPs to improve Link 16 information exchange capabilities and integrate ISR, C2, and shooter assets at the tactical employment level.
- Joint Space Control Operations (Negation) (JSCO-N) - Develops necessary C2 process and JTTPs to integrate and synchronize friendly space control negation capabilities (lethal and non-lethal) into the Joint Force Commander's targeting cycle.
- Joint Logistics Planning Enhancement (JLOG)- Investigates the overarching logistics command and control (C2) Architecture, the information and process interfaces and enhancements possible to support requirements for joint force logistics and operations.
- Joint Fires Coordination Measures (JFCM) Tests and evaluates new JTTP designed to standardize kill box procedures and enable theater commanders to more fully integrate component fires at the operational and tactical levels.

Joint T&E Projects and Quick Reaction Tests

- Joint Survivability (JSURV) Quick Reaction Test (QRT) - Developed and delivered convoy survivability procedures to USCENTCOM to minimize combat casualties. Approximately 90% of deployed convoys are using these procedures.
- Joint Shipboard Weapons and Ordnance (JSWORD) (QRT) - Establishes, documents, and publishes a standard joint procedure for tube loading the 2.75-inch Folding Fin Aerial Rocket (2.75" FFAR) on U.S. Army (USA) and USSOCOM helicopters with engines running and blades turning.
- Joint Low Altitude Aircraft Survivability (JLAAS) (QRT) - Investigates fixed and rotary wing aircraft operations in the low-altitude, low-speed environments for vulnerabilities to numerous potential threats including Man-Portable Air Defense Systems (MANPADS), rocket-propelled grenades (RPG), and small arms fire.
- Joint Forward Operations Base Force Protection (JFOB) (QRT) – Will examine current tactics, techniques, and procedures that the Services employ for FOB force protection and provide recommendations and solutions to develop a standard of protective measures to be implemented by the Services.



Joint Test & Evaluation Bottom Line



- A quarter century legacy of supporting the warfighters
- On the leading edge of developing new tactics, techniques, procedures, & capabilities
- Making inventory military systems more effective and capable
- The JT&E Program is managed by DOT&E, but it requires active participation and support of the Services, OSD Agencies, Joint Staff, JFCOM, and other COCOMS

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