

Joint Test & Evaluation Program

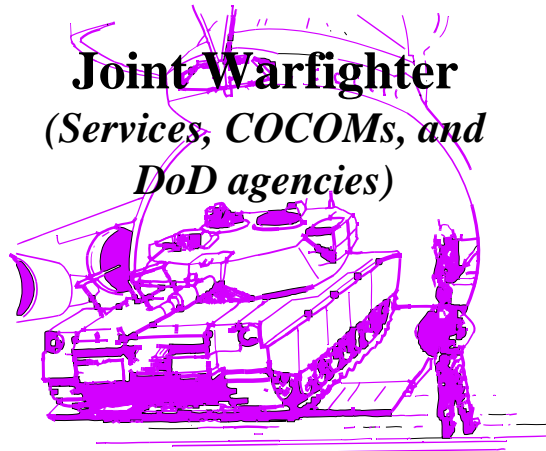


Net Centric Operations NDIA Conference

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What is the JT&E Program?

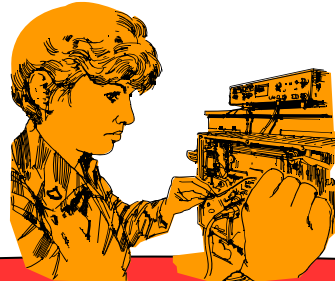


Joint Issue Nominated

Selected Nominations Chartered

Nominator/Sponsor Leads Test Team

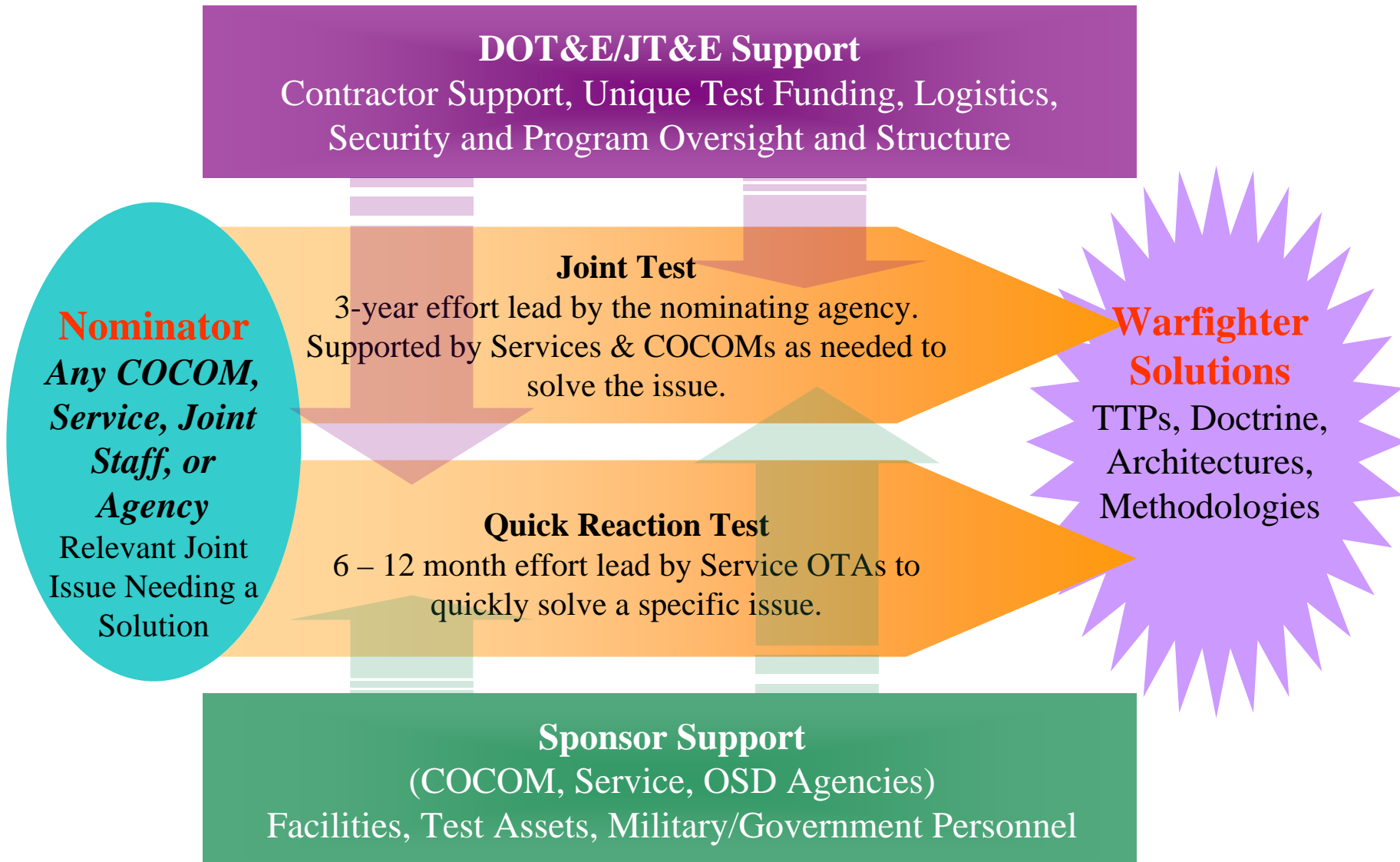
New joint TTPs, architectures, and processes delivered to the Warfighter



JT&E
Catalyst for solving Joint interoperability issues

**DOT&E Managed and Funded
Service and COCOM Resourced and Supported
Chartered to Produce a Joint Product**

Joint Test & Evaluation Process and Support



Two Avenues to Conduct Joint Testing

Quick Reaction Tests

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

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, Joint Staff, OSD
- **Testers:** Executed by Service/COCOM-led JT&E test teams
- Delivers defined and useful products to warfighter
 - *Both interim and final products required*

JT&E Net-Centric History

For 35 years, JT&E has taken joint issues from the field and tested solutions in an operational environment to improve joint warfighting capabilities.

Over the past 12 years, we have conducted 15 command and control related projects, of which at least **seven investigated net-centric improvements:**

Joint C2, Intelligence, Surveillance, and Reconnaissance

Joint Integrated C2 for Maritime Homeland Defense

Joint Unmanned Aerial Vehicle

Joint Battle Damage Assessment

Joint Space Control Operations-Negation

Joint Methodology to Assess C4ISR Architecture

Joint Datalink Information Combat Execution

Joint Integration and Interoperability of Special Operations

Joint Warfighter

Joint Close Air Support

Joint C2 for War on Terror Activities

Joint C2 of Net Enabled Weapons

Joint Fire Coordination Measures

Joint Mobile Network Operations

Joint Airspace C2

Other areas, including acquisition, test & evaluation, and precision engagement, have resulted in net-centric improvements:

Joint Threat Ballistic Missile Early Warning

Joint Test and Evaluation Methodology

Joint Advanced Distributed Simulation

Joint GPS Combat Effectiveness

The warfighting community has identified net-centric issues; JT&E has provided a conduit for solving these problems

Notable Success Stories

Identification, Friend, Foe, or Neutral (IFFN) JT&E, 1981-1989

- Evaluated the ability of friendly forces to identify airborne targets as friend, foe, or neutral.
- Test products include: residual national test assets, the development of real time air-to-air and air-to-ground kill removal techniques, recommended changes to man-in-the-loop simulation unique methods for system certification.
- Theater Air Command and Control Simulation Facility (TACCSF) was the initial legacy of this JT&E. It was later designated as the Air Force's Distributed Mission Operations Center (DMOC), which continues to support the warfighter.

Joint Command, Control, Intelligence, Surveillance, & Reconnaissance (JC2ISR) JT&E, 2001-2005

- Assisted USCENTCOM, USCENAF, and Second Fleet in revising the ISR-related portions of time-sensitive targeting concept of operations and related TTP documents by integrating the rigors of operational testing and personnel training into the evaluation of C2ISR architectures.
- The revised TTPs enhanced the warfighter's ability to utilize diverse national, theater, and tactical information collection sensors and dynamically focus them to identify, track, and engage high-value targets.

Notable Success Stories

Joint Advanced Distributed Simulation (JADS) JT&E, 1995-2000

- Investigated the utility of advanced distributed simulation technologies for test and evaluation purposes.
- Products help to accelerate system development by beginning detailed weapon system integration while the platform is still under development. This system integration can be accomplished by using ADS to capitalize on the high fidelity simulations of existing precision guided munitions without duplicating supporting infrastructure.

Joint Methodology To Assess C4ISR Architecture (JMACA) JT&E, 2000-2006

- Developed and evaluated a methodology to assess C4ISR architectures as they relate to mission outcome. The purpose of JMACA was to validate an integrated C4ISR architecture assessment methodology.
- Test products were planning and analysis tools for combatant commanders, CJTFs, and Services at the operational level.
- JMACA became part of JFCOM's Joint Battle Management Command and Control J89 Directorate.

Notable Success Stories

Joint Data Link Information Combat Execution (JDICE) JT&E, 2003-2006

- Focused on data link information exchange to improve integration of ISR, C2 and shooter assets.
- Improved the warfighter's situational awareness by developing joint TTPs that provide critical mission information across platform, regardless if tactical air or ground data link.
- The four JDICE-developed TTPs applied to:
 - National Assets
 - Army
 - Special Operations Forces
 - Marine Corps
- JDICE transitioned to Joint Digital Integration for Combat Engagement, a permanent Air Force organization responsible for combat identification, special programs, and emerging capabilities.

Current Net Centric Related Projects

- **Joint Test and Evaluation Methodology – Col Eileen Bjorkman**
- **Joint C2 of Net-Enabled Weapons – Col Richard Leibach**
- **Joint Mobile Network Operations – Col Edmund Mitchell**
- **Joint Space Control Operations-Negation – Col Chris Daehnick**
- **Joint C2 for War on Terror Activities – CAPT Tom Wears**

Joint Test & Evaluation Program



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