Command Overview
Mission, Vision, Capabilities, and Impact of the Joint Interoperability Certifier
Overview

- Mission and Vision
- JITC's Value Added: 3 Warfighter Vignettes
- Major Transformational Initiatives
MISSION: JITC professionally tests, operationally evaluates, and certifies IT capabilities for joint interoperability, enabling information dominance and increasing warfighter effectiveness for the Nation.

VISION: Experts in testing and certification, accelerating the Nation’s IT dominance.
JITC's Roles

- **Joint Interoperability Certifier**: DoD’s Information Technology (IT) and National Security Systems (NSS)
- **Operational Test Agency**: DISA and other DoD elements (IT Capabilities)
- **Warfighter Joint and Coalition Interoperability Support**: COCOMs during their exercises, contingencies, and operations

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Major Range and Test Facility Base (MRTFB)
Mission Support Structure

JITC Mission Supported by Engineers, Computer Scientists, as well as Technical and Operational Experts
JITC's Value Added

**IMPROVED CAPABILITY**
- Host Based Security System Quick Reaction Test
- Tactical Communications
- COCOM Exercise Support
- Afghan Mission Network
- Medical Health Systems
- Navy Messaging
- Data Link Interoperability
- Coalition Partner Test Support (AWS)
- Coalition Partner Test Support (Wedgetail)
- Geospatial Partnerships (NITF)
- Bulwark Defender
- PEO-MA
- Holistic Testing of Security
- Advanced Technologies Testbed

**FIXED A CAPABILITY**
- Integrated Broadcast Service (IBS)
- Tactical Cellular
- CSAR Helicopter
- Digitally Aided Close Air Support (DACAS)

**REDUCED RISK**
- Enterprise Assessments
- Distributed Development & Test Enterprise

**UNIQUE TESTING CAPABILITY**
- GCIP, Predictive Interoperability
- Enterprise Thin Client Pilot

**QUICK FIXES**
- Hotline Support
- Central Contractor Registration (CCR)
- Global Hawk and AFRICOM

**NATIONAL INFRASTRUCTURE**
- Integrated Public Alert and Warning System
- Nuclear Command, Control & Communications
- Key Management

**ACCELERATED ACQUISITION**
- Joint Strike Fighter (JSF)
- CANES Test Support
- PEO-MA Program Support
- USTRANSCOM
- Unified Capabilities
- Biometrics Identity Management Support
- Agile Testing (GCSS-J)
- Integrated Testing (GCSS-J)
- JRTC External Training
- IOP Policy Streamlining

**IMPROVED EFFICIENCY/EFFECTIVENESS**
- Geospatial Partnership
- PKI
- TRMC Partnerships
- Distributed Testing
- Major Range and Test Facility Base

Distributed Testing is an Important Enabler to JITC Mission Success
Improved Capability: Afghan Mission Network Interoperability

• AMN
  – Joins secret coalition networks
  – Allows information exchange critical to C2 & ISR

• JITC’s Value Added
  – JITC endorsed by CENTCOM as interoperability lead for AMN
  – Mission thread methodology ensures warfighter mission success
  – Leveraging existing Combined Federated Battle Lab network as test backbone
  – Test personnel go into country to verify capability and results

• Operational Impact to the Warfighter
  – Providing new capabilities (underway)
  – Identified specific limitations to warfighter
Reduced Risk: Distributed Development & Test Enterprise

- Test enterprise for Distributed Common Ground System (DCGS) community
  - Supports 10 DCGS Programs
  - Connects 14 DoD facilities

- JITC's Value Added
  - T&E expertise, network, and capabilities for DCGS acquisition
  - Latest net-centric T&E methods based on best practices

- Operational Impact to the Warfighter
  - Provides operationally realistic environment for DCGS acquisition
  - Reduces cost, accelerates fielding, and mitigates risk
Examples: JIT, CIT & TDL Tests
- Five Joint and two Combined Interoperability Test (JITs/CITs) events per year
- Evaluates Tactical Data Link (TDL) conformance and interoperability

JITC’s Value Added
- Mandated by DoD and CJCS Instruction
- Conducts Link 11, Link 16, Joint Range Extension (JRE), Variable Message Format (VMF) tests
- Performs Joint interoperability evaluations, standards conformance, and operational capability and limitations assessments

Operational Impact to the Warfighter
- Identified TDL issues

Improved Capability: Data Link Interoperability
A Combat Support Agency

Testing Transformation
IT Acquisition Reform

Continuous Integration and Test
- Developmental Test
- Operational Test
- Joint Interoperability Test
- Security Test

Voice of the User

4 – 8 Weeks

Testing

Sprint Backlog
(Highest Priority User Requirements)

Sprint
(Capability Development)

Sprint Review
(Deployment Decision)

Working Product
(Militarily Useful Capability)

User Stories

Test Cases

Product Backlog
(Requirements Generation)

* Sprint is used here as a name for smallest increment of deployable software

Acquisition Reform Supported by Agile Test, Evaluation, and Certification
Moving DoD IT Acquisition Forward

Provisioning integrated services across acquisition processes and life-cycle

A Combat Support Agency

DoD 5000 Series – Defense Acquisition System

CJCSI 3170.01G – JCIDS

CJCSI 6212.01E – I&S Process

DoDI 3200.11 - Major Range and Test Facility Base

Responsive & Representative Infrastructure

Responsive Requirements Process

Agile Test and Evaluation

Making Acquisition Processes and Infrastructure Responsive to the Warfighter
Challenges and Way Head (Future T&E Environment)

DISA MRTFB Capability Provisioning and World Wide Connectivity
JITC
Unparalleled Value-Added to the WARFIGHTER

The BATTLEGROUND should never be the TESTING GROUND