



DISCLAIMER

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JITC

Joint Interoperability Test Command

JITC Command Overview

2020 AFCEA Virtual TechNet Cyber Symposium



DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency



Overview



- **Mission, Vision and Roles**
- **Uniqueness**
- **Authorities**
- **Structure and Resources**
- **OT&E Overview**
- **Warfighter Interoperability**
- **Conclusion**



The BATTLEGROUND should NEVER be the TESTING GROUND



JITC Mission and Roles



Mission: DOD's Joint Interoperability Certifier and only non-Service Operational Test Agency for Information Technology (IT)/National Security Systems. JITC provides risk based Test, Evaluation & Certification services, tools, and environments to ensure Joint Warfighting IT capabilities are interoperable and support mission needs.

Vision: Experts in testing and certification, accelerating the Nation's IT dominance.

*Operational
Test
Agency*

**DISA and other DOD
agencies
(IT Capabilities)**

*Joint
Interoperability
Certifier*

**DOD's Information
Technology (IT) and
National Security
Systems (NSS)**

*Warfighter Joint
and Coalition
Interoperability
Support*

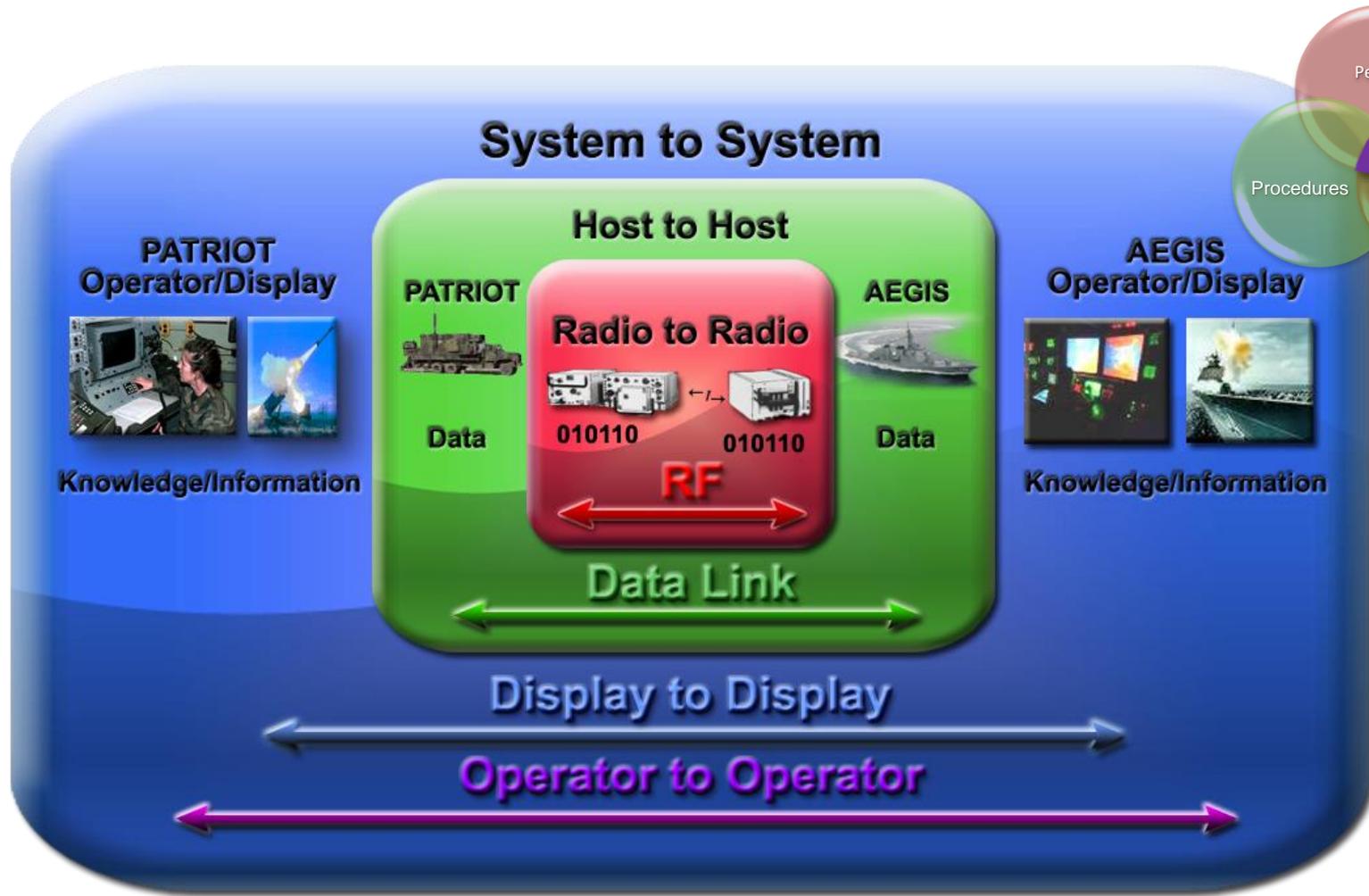
**CCDRs during their
exercises,
contingencies, and
operations**

*Developmental Test
Agency*

**DISA & other
Agencies
Developmental
Testing Agency (IT
Capabilities)**

Major Range and Test Facility Base

DOD, Federal government, private industry, and allies in support of command and control, intelligence, and defense reform initiative



Ensuring End-to-End Technical and Operational Effectiveness of Information Exchanges



Authority



DOD CIO - Interoperability Certification

TRMC - MRTFB

DOT&E - Operational Test and Evaluation

DODI 8330.01

Establishes interoperability policy, responsibilities, and procedures. T&C before network connection. JITC is Joint Interoperability Certification Authority.

DODI 8100.04

Establishes the governing policy for UC products / services supported on DOD Networks. JITC is the interoperability Certification Authority.

Title 10 United States Code (USC)

Chapter 131: Requires SECDEF and DOD CIO to ensure that business systems, Information Technology, and National Security Systems are interoperable.

Title 10 United States Code (USC)

Chapter 196: Establishes the DOD Test Resource Management Center with oversight of DOD MRTFBs.

DODD 5105.19, "DISA"

Directs DISA to establish an OTA. JITC shall conduct OT&E consistent with the DOD 5000.

DODD 5141.02, "DOT&E"

Lists the five recognized OTAs: ATEC, AFOTEC, OPTEVFOR, MCOTEa, JITC

Title 10 United States Code (USC)

Section 139: "The Director (OT&E) shall prescribe...policies and procedures for the conduct of OT&E in the DOD...and report test results to Congress"
Section 2399: "OT&E must be adequate, and determine operational effectiveness and suitability"

CJCSI 5123.01

JROC Charter / JCIDS Documentation, review, & validation of Capability Requirements

DOD 5000 Series

PM must achieve Interoperability IAW 8330.

DODD 5105.71

Assigns TRMC with oversight DOD MRTFBs to include Budget certification & Adequacy Of T&E Capability

DOD 5000.02

Describes OTA role and lists mandatory OT&E elements

JCIDS Manual

Processes and procedures for NR KPP development and certification, including DODAF architecture viewpoints.

JITC Interoperability Process Guide (IPG)

8330 implementation guidance. Procedures for Joint interoperability test & certification.

DODD 3200.11

Establishes MRTFBs as National Assets providing T&E Infrastructure and capability to support DOD T&E requirements

DODI 5010.41, "Joint Test and Evaluation (JT&E) Program"

"A JT&E is OT&E that brings Military Departments together to validate operational test methodologies."

DISA Instruction 640-195-1, "Test & Evaluation OTA Mission"

"JITC shall perform the OTA mission...the commander, JITC, will report directly to the Director, DISA, on OT&E matters."

Policies Governing JITC's Operational Testing and Joint Interoperability Certification



FY20 Reimbursable Funding

As of 15 October 2020



JITC is a fee for service organization. Below are a list of a few organizations that utilize our services.

CCMDs

- PACOM
- CENTCOM
- NORTHCOM
- SOUTHCOM
- EUCOM
- AFRICOM
- SOCOM
- TRANSCOM
- STRATCOM
- CYBERCOM
- SPACECOM

DOD Agencies

- DISA
- NGA
- NSA
- DLA
- DHA
- MDA
- USSS
- WHS

Other Agencies

- FEMA
- DHS

Commercial

- Multiple Vendors

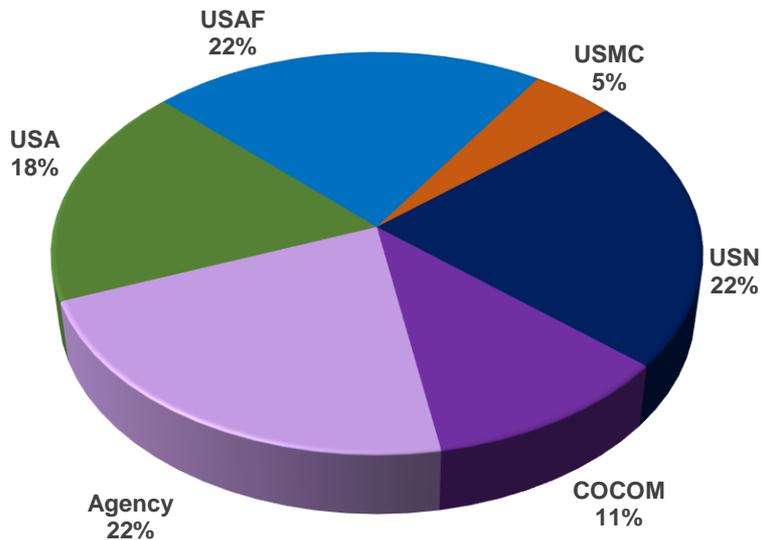
Military Services

- ARMY
- NAVY
- AIR FORCE
- MARINE CORPS
- SPACE FORCE

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Leaders in Interoperability



Interoperability Services (FY14-FY18)

1867 Interoperability Certifications and Assessments

1432 Products added to the Approved Products List (APL)

334 Standards based Certifications and Assessments

1276 Interoperability Requirements Reviews Supported

84 Head Start Requirements Reviews (2016-2018)

136 Waiver to Policy Request Recommendations

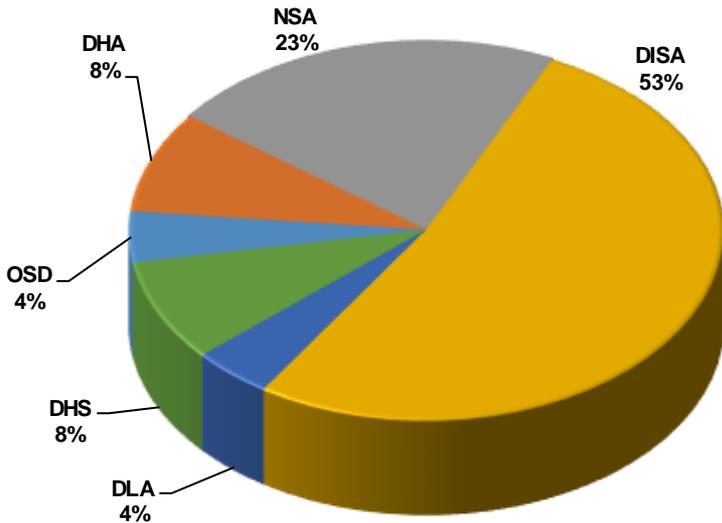
584 IOP Helpdesk calls

675 24/7 Hotline support

- DOD's sole Joint Interoperability Certifier
- Joint Interoperability Certification of combat capabilities for acquisition decisions and Warfighter confidence IAW DODI 8330.01
 - All IT/NSS with certified joint Net-Ready requirements
 - Addresses interoperability issues that could impact operations, supports acquisition and fielding decisions
- Joint Interoperability Certification of DODIN Capabilities based on DODI 8100.04
 - Provides certified products for the Approved Products List in support of current & future network interoperability
 - Complete cybersecurity and interoperability support
- Continuous improvement
 - Standardize processes, Automate tools
 - Shift left, Professionalize workforce, Improve rigor



OT&E Overview



Legend	Customer Base
DISA	Defense Information Systems Agency
DHA	Defense Health Agency
DHS	Department of Homeland Security
DLA	Defense Logistics Agency
NSA	National Security Agency
OSD	Office of the Secretary of Defense

- **JITC is DOD’s only Joint Operational Test Agency (OTA)**
- As an OTA, JITC plans, executes, and independently reports on the OT&E of Information Technology Systems to determine the extent that they are *Operationally Effective*, *Suitable*, and *Survivable (Cyber Security)*:
 - ✓ *Effectiveness* and *Suitability* is evaluated through testing performed with typical trained users and support staff exercising and maintaining system capabilities within operationally realistic environments
 - ✓ *Survivability* is evaluated through Cyber Security Cooperative Vulnerability and Penetration Assessments and Adversarial Assessments performed within operational realistic environments





DICE²



~ DICE² MISSION ~

To serve as the premier joint interoperability testing venue for certifying IT and NSS in support of rapid acquisition and fielding of net-centric warfighting capabilities.

~ DICE² VISION ~

Enable agile testing in an operationally realistic environment to ensure warfighter dominance in the information domain

~ DICE² INTENT ~

Provide the U.S. Armed Forces and Combatant Commands (CCMDs) with the confidence they need in their IT and National Security Systems so they can focus on fighting the enemy, and not their equipment.

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Warfighter Interoperability



Supporting Interoperability & C2 Exercises

Coalition Interoperability



Interoperability Hotline Support



- Supporting ENDEAVOR exercises
- Conducting interoperability and cybersecurity assessments

- Providing T&E support for Multinational Information Sharing capabilities through the Coalition Test & Evaluation Lab
- Providing a Coalition Lab environment offering tremendous value for coalition interoperability efforts.

- Replicated networks
- Conducted diagnostic tests in the lab and across the globe
- Developed interim work-around
- <https://jtc.fhu.disa.mil>

Improving Operational Capabilities Around the Clock and Around the Globe

JITC

Unparalleled Value Added to the Warfighter



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