

## **ADDITIONAL INFORMATION**

For additional information on the Joint Distributed Engineering Plant, its capabilities and functions, please contact the following:

*DSN 821-8500/8501*

*(520) 533-8500/8501*

*JNOCSUPPORT@DISA.MIL*



## **JOINT DISTRIBUTED TEST NETWORK OPERATIONS CENTER (JNOC)**



### **Joint Interoperability Test Command**

Attn: Visitor Support Center  
P.O. BOX 12798  
Fort Huachuca, AZ 85670-2798

Phone: 1-800-538-5482  
<http://jitc.fhu.disa.mil>

*Increasing Combat Effectiveness  
Through Interoperability*

### **Joint Interoperability Test Command**

## GENERAL INFORMATION

**Background.** The JNOC started in 2003 after a series of Air Missile Defense exercises were conducted on the DISN-LES and participating sites experienced major network issues that resulted in reduced test windows. The JNOC mission is to provide support to the Test & Evaluation (T&E) communities on selected wide area networks in support of distributed T&E to ensure the architecture is properly engineered, configured and validated to meet the test requirements through the application of streamlined procedures.

“Maximum use of federated testing on federated networks...will be employed to demonstrate a capability’s performance, interoperability and contribution to the COI mission accomplishment... Federated testing is the use of geographically dispersed live, virtual and constructive resources in order to create an operationally realistic joint test environment.”\*

\*CJCSI 6212.01E

## REQUIREMENTS

The JITC leverages T&E Networks (i.e. DISN-LES, DREN, SDREN, CFBLNet) to conduct it’s interoperability testing mission.

### **T&E Networks requirements:**

- Operationally Realistic - network “mirrors” production environment and supports testing
- Flexibility - T&E community is constantly changing configurations (spiral development)
- Network Engineering - support configuring red side/user premise equipment for testing

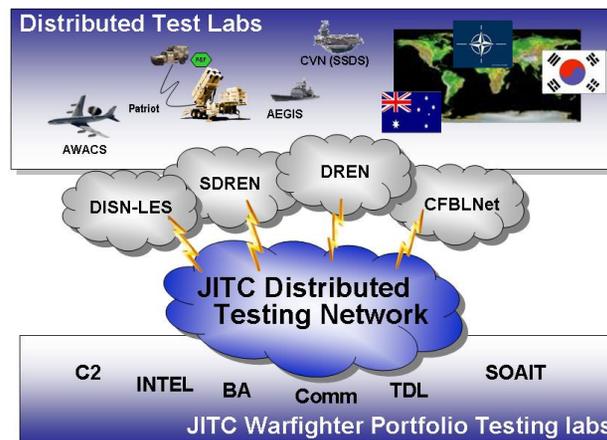
## CAPABILITIES

The JNOC has developed a streamlined approach to gathering test requirements (w/online Test Order Request Form on DKO) and assign event leaders to work the process of documentation, network and system integration, and Configuration Management from cradle to grave for each test event.

### **JNCO provides:**

- Event Leads
- Formal Testing Planning Processes
- Technical coordination
- Network Engineering/Management
- Red and Blue network enclave support
- Secure VoIP support (Red or Blue enclaves)
- Red and Blue network analysis/data capture
- Support Center - single point of contact for reporting network issues/coordinating resolution

Bottom-line: The JNOC ensures through defined process’ and procedures that when a test event is scheduled on a distributed network, the testers will be testing and not integrating, improving productivity and reducing overall test event cost to the PM.



## SERVICES

**Event Leads**—Works with the Test Team to identify the T&E network requirements and coordinate with the network engineering team and participating sites to ensure those requirements are met. This reduces the risks associated with network implementation and obtaining security accreditation.

**Plan of Action and Milestones (POA&M)**—Documents significant action items, timelines, roles and responsibilities and test architecture.

**Configuration Management**—Network configurations archived to support reconstruction of test architecture if required.

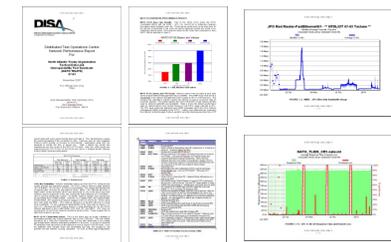
**Network Engineering/Management**—Experienced team fully engineers, implements and monitors T&E network solutions for the full spectrum of T&E requirements. *Team provides:*

**Site Surveys**—identify site specific network requirements to joint the T&E network

**Site Installations**—on-site team to install and activate T&E network equipment

**Network Performance Monitoring**—real-time monitoring to minimize downtime.

**Network Performance Report**—network performance data collected and documented to augment post test analysis.



**Consolidated Test Lab SA Support**—Test focused SA team provides Information Assurance (IA) compliant lab resources and network services, as well as web, ftp, database and chat servers.