

MULTIPLEX AND COMSEC

- ◆ Promina, MIDAS, FCC-100V9, Time-plex, MSPP
- ◆ KIV-7/19, KG-194, and HAIPE
- ◆ STE, STU, Omni, Sectera
- ◆ Various fiber and copper modems
- ◆ Full COMSEC support and maintenance

NETWORK INTEGRATION TESTBED

The JTF maintains an extensive data network that supports all forms of IP testing. This lab manages test bed voice, video, and data IP networks and services, administers NIPRNet, SIPRNet, DREN service delivery nodes, and enforces IA compliance for operational and test networks and services.

ADDITIONAL INFORMATION

For more information about the JITC JTF please contact the following:

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JOINT TEST FACILITY (JTF)



Joint Interoperability Test Command

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*Increasing Combat Effectiveness
Through Interoperability*

Joint Interoperability Test Command

JOINT TEST FACILITY



The Joint Test Facility (JTF) is capable of supporting both strategic and tactical testing communities. It sits on approximately 16 acres and contains four test nodes, labeled A, B, C, and D. The JTF provides a persistent emulation of DISA's strategic to tactical network interfaces with reconfigurable capability. The JTF maintains the systems and services necessary to provide tactical test and evaluation support with strategic interfaces. These interfaces consist of the equipment necessary to emulate a Strategic Tactical Entry Point (STEP) and Teleport system and services. The Teleport infrastructure has been upgraded with SONET DWDM capabilities representing the GIG. JTF capabilities are constantly upgraded to ensure they are capable of supporting CJCSM 6231, Operational Area Network (OAN) standards. All nodes are interconnected through the Systems Control (SYSCON) Patch and Test Facility (PTF) using approximately 75 miles of underground cable and fiber optics. The JTF is further augmented by its connection to the Distributed Network control Center (DNCC) that serves as a gateway to GIG networks and services. Additionally, the JTF has connectivity to the Gigabit Network Test Facility (GNTF) for test Defense Switched Network (DSN) (Nortel, Lucent, Siemens, Redcom, etc) and Defense Red Switch Network (DRSN) switching systems, High Frequency Test Facility, Video Teleconferencing lab, and others.



CAPABILITES AND SERVICES

- ◆ STEP and Teleport emulation
- ◆ Wideband Satellite (X,Ku,Ka,C)
- ◆ Line of Sight Systems
- ◆ Warfighter Hotline support
- ◆ Space, power, tech support for visiting systems
- ◆ NIPRNet, SIPRNet, DISN-LES, CFBLNet, and DREN service delivery, test support
- ◆ Voice and Video conference
- ◆ Test Data Networks (classified, unclassified and simulated class/unclass)
- ◆ HAIPE and standard encryption
- ◆ GPS Timing
- ◆ Electronic maintenance shop
- ◆ Reconfigurable network interface and test string capability
- ◆ Information Assurance

EXERCISE AND SYSTEM SUPPORT

- ◆ DoD Interoperability Communications Exercise (DICE)
- ◆ Joint User Interoperability Communications Exercise (JUICE)
- ◆ COMBINED ENDEAVOR
- ◆ PACIFIC ENDEAVOR
- ◆ AFRICAN ENDEAVOR
- ◆ TALISMAN SABER

SWITCHING SYSTEMS

- ◆ CS-2100, CS-1000, 5ESS, EWSD, IGX, HDX, Avaya, plus others
- ◆ Army Lot 10 WIN-T UHN and JNN, SMU, AN/TTC-56, and the Compact Digital Switch.
- ◆ Air Force TDC BAM
- ◆ Marine Corps TSM/DITS
- ◆ Air Force/Marine Corps Unit Level Circuit Switch (ULCS)



TRANSMISSION SYSTEMS

The JTF has several transmission systems to support communications path testing. For entry into the Defense Satellite Communications System, the Ground Mobile Forces AN/TSC-85D hub, equipped with 20' QRSA antennas. The AN/TSC-94A tactical satellite terminal with 20' QRSA antenna. Two tri-band AN/USC 60A terminals provide satellite connectivity using Ku, X, or C band frequencies. The IDirect Hub 5IL TDMA terminal, with remotes is tied to a 3.7m antenna to support up to 5 TDMA networks. Other transmission systems in the JTF include the VIASAT Linkway, Very Small Aperture Terminal satellite terminal, Tactical Satellite System Radio (TSSR), and the AN/TRC-170 V3 tropospheric scatter radio terminals.