

ADDITIONAL INFORMATION

To obtain more information about the JITC RFTF or their support to the JTRS Program, contact the following JITC representatives:

JITC RFTF

Networks and Transport Division
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RADIO FREQUENCY TEST FACILITY (RFTF)



Joint Interoperability Test Command

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*Increasing Combat Effectiveness
Through Interoperability*

Joint Interoperability Test Command

GENERAL RFTF INFORMATION

The Joint Interoperability Test Command (JITC) Radio Frequency Test Facility (RFTF) performs standards conformance testing and radio interoperability (IOP) testing and certification. As a Major Range and Test Facility Base (MRTFB) organization, the JITC provides these test services to Service, Agency, and commercial vendor customers on a cost reimbursable basis.

RADIO FREQUENCY TEST FACILITY

The RFTF is also referred to as the Joint Tactical Radio System (JTRS) Lab, because the JTRS Program Management Office originally built the facility in 2003. Their intention was to have all the JTRS Program Managers (Ground Mobile Radios (GMR), Handheld / Manpack / Small Form-factor (HMS), and Airborne / Maritime. Fixed (AMF)) use this facility to receive waveform Standards Conformance Testing and Certification.

The RFTF has a Local Area Network (LAN)-based test capability to perform simultaneous, manual and automated Radio Frequency (RF) parametric testing on multiple radios. The facility is equipped with state of the art portable and fixed test equipment that allows it to perform all standard radio frequency

measurements. Waveforms that can / will be tested for conformance to standards within the facility include:

SINGARS	Have Quick II
EPLRS	VHF AM/FM
SATURN	MUOS
SATCOM IW	Link 11/11B
UHF AM/FM PSK LOS	
VHF ATC DATALINK	

Note: WNW, SRW and Link 16 are tested out of the JITC Lab in San Diego, CA.



SATCOM INTEGRATED WAVEFORM TEST FACILITY

JITC has allocated space within the RFTF dedicated to the development of the test procedures and eventual conduct of the IW standards Conformance program. This will satisfy the requirement that all IW terminals receive JITC testing, as mandated by the Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 6251.01C, dated 15 August 2009.

The IW Test Facility tests UHF SATCOM terminals for conformance to the following UHF SATCOM MIL-STDs.

- ◆ MIL-STD-188-181B, Interoperability Standard for Dedicated 5-kHz and 25-kHz UHF Satellite Communications Channels
- ◆ MIL-STD-188-182/A, Interoperability Standard for 5-kHz UHF DAMA Terminal Waveform
- ◆ MIL-STD-188-183/A, Interoperability Standard for 25-kHz UHF TDMA/DAMA Terminal Waveform