



DEFENSE INFORMATION SYSTEMS AGENCY

P. O. BOX 549
FORT MEADE, MARYLAND 20755-0549

IN REPLY
REFER TO:

Joint Interoperability Test Command (JTE)

9 Feb 12

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the XOP Networks Universal Service Node (USN) - 16 with Software Release 4.3.1

References: (a) DOD Directive 4630.05, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004
(b) CJCSI 6212.01E, "Interoperability and Supportability of Information Technology and National Security Systems," 15 December 2008
(c) through (e), see Enclosure

1. References (a) and (b) establish the Defense Information Systems Agency (DISA), Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.
2. The XOP Networks USN – 16 with Software Release 4.3.1 is hereinafter referred to as the system under test (SUT). The SUT met all of the critical interface and functional interoperability requirements of the Unified Capabilities Requirements and is certified for use within the Defense Switched Network (DSN) as a Meet-Me Conference Bridge (CB). The SUT is certified for use with any Small End Office (SMEO) or Private Branch Exchange (PBX) that is listed on the Unified Capabilities (UC) Approved Products List (APL). There must be at least two SUTs when implemented with a SMEO or PBX because the implementation requirement is for two separate bridges, each of which has the capacity of at least ten conferees. The SUT is not certified with a Multifunction Switch (MFS), End Office (EO), or Tandem Switch (TS) because the SUT server is limited to 16 conferees and the requirement is for 20 conferees when implemented with a MFS, EO, or TS. The SUT meets the critical interoperability requirements set forth in Reference (c) using test procedures derived from Reference (d). No other configurations, features, or functions, except those cited within this report, are certified by the JITC. This certification expires upon changes that affect interoperability, but no later than three years from the date of Defense Information Assurance (IA)/Security Accreditation Working Group (DSAWG) accreditation.
3. The extension of this certification is based upon Desktop Review (DTR) 2. The original certification is based on interoperability testing, review of the vendor's Letters of Compliance (LoC), and DSAWG accreditation. Interoperability testing was conducted by the Telecommunication Systems Security Assessment Program (TSSAP), 346th Test Squadron, 318th Information Operations Group, San Antonio, Texas, from 22 through 25 June 2009. Regression

testing was conducted from 2 through 6 November 2009. Review of the vendors LoC was completed on 24 June 2009. The DSAWG granted accreditation on 14 June 2010 based on the security testing completed by Department of Defense Component lab IA test teams and published in a separate report, Reference (e). This DTR request was submitted to certify the HP DL580 G7 server based upon similarity to the HP DL380 G5 server, which has been tested and certified with Software Release 4.3.1. JITC analysis determined that the primary differences between the HP DL380 G5 and the HP DL580 G7 are that the HP DL580 G7 has a faster processor, more memory, and additional Peripheral Component Interconnect (PCI) slots for increased scalability with more conferees. The HP DL380 G5 supports a maximum of 4 PCI slots and the HP DL580 G7 is expandable up to 11 PCI slots. With the additional PCI slots, the SUT can support two additional 8 port analog cards with an increased capacity from 16 to 32 analog ports. Since the HP DL580 G7 with Software Release 4.3.1 performs the same functions as the HP DL380 G5, but with more speed, capacity, and conferees, JITC approves this DTR with no additional testing. Also, with the approval of this DTR, the SUT is certified for use with an MFS, EO or TS when configured for supporting more than 20 conferees. The Information Assurance posture of the SUT was not changed; therefore, the original DSAWG accreditation still applies to this DTR request.

4. The Functional Requirements used to evaluate the interoperability of the SUT and the interoperability statuses are indicated in Table 1.

Table 1. SUT Functional Requirements and Interoperability Status

Interface	Critical	Certified	Functional Requirements	Status	UCR Reference
2-Wire Analog	No	Yes	All 2-wire analog devices shall conform to the requirements of TIA/EIA-470-B. (R)	Met	5.2.12.3.5.1
			All DSN CPE, as a minimum, must meet the requirements of Part 15 and Part 68 of the FCC Rules and Regulations, and the Administrative Council for Terminal Attachments (ACTA). (R)	Met	5.2.12.3.5
			Conference connect and disconnect tone (R)	Met	5.2.1.6.2
			MLPP access and control (R)	Met	5.2.1.6.2, 5.2.2.1.4
			If the Meet-Me CB is to be certified for use with a SMEO or PBX 1, it must support, at a minimum, two (2) separate bridges with each bridge having the capacity for ten (10) conferees. (C)	Met ¹	5.2.1.6.2
			If the Meet-Me CB is to be certified for use with a MFS or EO, it must support, at a minimum, two (2) separate bridges with each bridge having the capacity for twenty (20) conferees. (C).	Met ²	5.2.1.6.2
Security	Yes	Certified	GR-815, STIGs and DoDI 8510.bb (DIACAP) (R)	Met ³	3.2.3, 3.2.5, 5.4.6.1

NOTES:

- 1 The SUT supports a maximum of 32 analog ports per server and, therefore, meets the requirements for use with a SMEO and PBX. This requirement is met with one SUT when implemented with a SMEO or PBX because the implementation requirement is for two separate bridges, each of which has the capacity of at least ten conferees.
- 2 There must be at least two SUTs when implemented with a MFS, EO or TS because the implementation requirement is for two separate bridges, each of which has the capacity of at least twenty conferees.
- 3 Security is tested by Department of Defense Component lab Information Assurance test teams and published in a separate report, Reference (e).

Table 1. SUT Functional Requirements and Interoperability Status (continued)

LEGEND:			
C	Conditional	MFS	Multi Function Switch
CB	Conference Bridge	MLPP	Multi-Level Precedence and Preemption
CPE	Customer Premise Equipment	PBX	Private Branch Exchange
DoDI	Department of Defense Instruction	R	Required
DIACAP	Department of Defense Information Assurance Certification and Accreditation	SMEO	Small End Office
DISA	Defense Information Systems Agency	STIGs	Security Technical Implementation Guides
DSN	Defense Switched Network	SUT	System Under Test
EIA	Electronic Industries Alliance	TIA	Telecommunications Industry Association
EO	End office Switch	TIA/EIA-470-B	Performance and Compatibility Requirements for Telephone Sets with Loop Signaling
FCC	Federal Communications Commission	TS	Tandem Switch
GR	Generic Requirement	UCR	Unified Capabilities Requirements
GR 815	Generic Requirements for Network Element/System Security		

5. No detailed test report was developed in accordance with the Program Manger’s request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/.gov users on the NIPRNet at <https://stp.fhu.disa.mil>. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at <http://jit.fhu.disa.mil> (NIPRNet), or <http://199.208.204.125> (SIPRNet). Information related to DSN testing is on the Telecom Switched Services Interoperability (TSSI) website at <http://jitc.fhu.disa.mil/tssi>. Due to the sensitivity of the information, the Information Assurance Accreditation Package (IAAP) that contains the approved configuration and deployment guide must be requested directly through government civilian or uniformed military personnel from the Unified Capabilities Certification Office (UCCO), e-mail: ucco@disa.mil.

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the XOP Networks Universal Service Node (USN) - 16 with Software Release 4.3.1

6. The JITC point of contact is Mr. Khoa Hoang, DSN 879-4376, commercial (520) 538-4376, FAX DSN 879-4347, or e-mail to khoa.hoang@disa.mil. The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the SUT is 0830801.

FOR THE COMMANDER:

Enclosure a/s


for BRADLEY A. CLARK
Chief
Battlespace Communications Portfolio

Distribution (electronic mail):

Joint Staff J-6

Joint Interoperability Test Command, Liaison, TE3/JT1

Office of Chief of Naval Operations, CNO N6F2

Headquarters U.S. Air Force, Office of Warfighting Integration & CIO, AF/XCIN (A6N)

Department of the Army, Office of the Secretary of the Army, DA-OSA CIO/G-6 ASA (ALT), SAIS-IOQ

U.S. Marine Corps MARCORSSYSCOM, SIAT, MJI Division I

DOT&E, Net-Centric Systems and Naval Warfare

U.S. Coast Guard, CG-64

Defense Intelligence Agency

National Security Agency, DT

Defense Information Systems Agency, TEMC

Office of Assistant Secretary of Defense (NII)/DOD CIO

U.S. Joint Forces Command, Net-Centric Integration, Communication, and Capabilities Division, J68

Defense Information Systems Agency, GS23

ADDITIONAL REFERENCES

- (c) Defense Information Systems Agency, "Department of Defense Networks Unified Capabilities Requirements 2008," 22 January 2009
- (d) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP), Change 2," 2 October 2006
- (e) Air Force Test Facility, "Information Assurance (IA) Assessment of XOP Universal Service Node, Release 4.3.1 (TN 0830801)," 14 June 2010