DEFENSE INFORMATION SYSTEMS AGENCY
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Joint Interoperability Test Command (JTE)   **19 Jul 10**

MEMORANDUM FOR DISTRIBUTION

SUBJECT: 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

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. This finding 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

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

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). The Certification Testing Summary (Enclosure 2) documents the test results and describes the test configuration.

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).	Not 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 16 analog ports per server and, therefore, meets the requirements for use with a SMEO and PBX. 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 was tested on only one switch, an MFS, which is certified as a SMEO and PBX as well as an MFS. Based on certification of the MFS, JITC analysis determined there was no risk with certifying the SUT for use with SMEOs or PBXs in this manner.
2   The SUT does not meet minimum of 20 conferees per conference for an EO, MFS, or TS. There is no operational impact since there is no requirement for an external meet-me conference with an EO, MFS, or TS.
3   Security is tested by Department of Defense Component lab Information Assurance test teams and published in a separate report, Reference (e).

LEGEND:
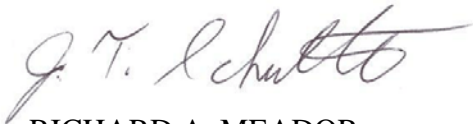|			
C	Conditional	MFS	Multi Function Switch
CB	Conference Bridge	MLPP	Multi-Level Precedence and Preemption
CPE	Customer Premise Equipment	PBX	Private Branch Exchange
DoDI	Department of Defense Instruction	R	Required
DIACAP	Department of Defense Information Assurance	SMEO	Small End Office
	Certification and Accreditation	STIGs	Security Technical Implementation Guides
DISA	Defense Information Systems Agency	SUT	System Under Test
DSN	Defense Switched Network	TIA	Telecommunications Industry Association
EIA	Electronic Industries Alliance	TIA/EIA-470-B	Performance and Compatibility Requirements for
EO	End office Switch		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.

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:

2 Enclosures a/s   for RICHARD A. MEADOR
                                                         Chief
                                                         Battlespace Communications Portfolio

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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

Enclosure 1