



DEFENSE INFORMATION SYSTEMS AGENCY

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IN REPLY
REFER TO: Joint Interoperability Test Command (JTE)

MEMORANDUM FOR DISTRIBUTION

30 Jun 11

Subject: Extension of the Special Interoperability Test Certification of the Forum Communications Consortium II with Software Release 7.1

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 (f), see Enclosure

1. References (a) and (b) establish the Defense Information Systems Agency, Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.
2. The Forum Communications Consortium II with Software Release 7.1 is hereinafter referred to as the System Under Test (SUT). The SUT meets all of its critical interoperability requirements and is certified for joint use within the Defense Information System Network (DISN) as an audio conferencing bridge. The SUT supports up to 16 Digital Transmission Link Level 1 (T1) Primary Rate Interfaces (PRI) for a total of up to 480 ports for conferees. The SUT supports preset and Meet-Me conference types. The SUT is certified for use with any digital switching system on the Unified Capabilities (UC) Approved Products List (APL) that is certified interoperable within the DSN for a T1 PRI interface with American National Standards Institute (ANSI) T1.619a protocol. 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) 1. The original certification is based on interoperability testing conducted by JITC and DSAWG accreditation. Interoperability testing was conducted by JITC at the Global Information Grid Network Test Facility, Fort Huachuca, Arizona, from 8 through 15 October 2010 and documented in Reference (e). DSAWG granted accreditation on 19 January 2011 based on the security testing completed by DISA-led Information Assurance test teams and published in a separate report, Reference (f). This DTR was requested to include the SUT hardware which was tested and certified with release 5.3 in addition to the hardware depicted in the original certification. The hardware

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certified in the original certification is depicted in Table 1. The hardware previously certified with software release 5.3a is depicted in Table 2. This DTR requests software Release 7.1 to be approved for use within the DISN systems that have been certified with Release 5.3a. The JITC determined there was minor risk in approving this DTR based on JITC analysis of data collected on the SUT. Therefore, JITC approves this DTR. The IA posture has not changed. The original IA approval applies to this DTR.

Table 1. Tested System Configuration for Software Release 7.1

Forum Communications Consortium II with Software Release 7.1 (SUT)	Hardware		Software
	Conference Server	Pentium 4 3.0GHz processor	
Dual 80GB SATA Drives			
Quad T1/E1 telephony card model CG6060/3200/2L-4TE			
Quad T1/E1 telephony card model CG6060/1100/2L-2TE			
Peripheral Components	LCD Monitor		N/A
	USB Keyboard		N/A
	USB Mouse		N/A

LEGEND:
 E1 European Basic Multiplex Rate (2.048 Mbps) Mbps Megabits per second
 GB Gigabyte N/A Not Applicable
 GHz Gigahertz SATA Serial Advanced Technology Attachment
 IIS Internet Information Services SUT System Under Test
 LCD Liquid Crystal Display T1 Digital Transmission Link Level (1.544 Mbps)
 JRE Java Runtime Environment USB Universal Serial Bus

Table 2. Tested System Configuration for Software Release 5.3a

Forum Communications Consortium II with Software Release 5.3a	Hardware		Software
	Forum Consortium II Conference Server	NMS AG4040 T1PRI Network Interface Card 2-Port	
NMS AG4040 T1PRI Network Interface Card 4-Port			
CCB200 Proprietary Conference Cards (3 each)			
Peripheral Components	LCD Monitor		N/A
	USB Keyboard		N/A
	USB Mouse		N/A

LEGEND:
 LCD Liquid Crystal Display T1 Digital Transmission Link Level (1.544 Mbps)
 N/A Not Applicable USB Universal Serial Bus
 PRI Primary Rate Interface

4. The Functional Requirements used to evaluate the interoperability of the SUT and the interoperability statuses are indicated in Table 3.

Table 3. SUT Functional Requirements and Interoperability Status

Interface	Critical	Certified	Functional Requirements	Met	UCR Paragraph
T1 ISDN PRI (B8ZS/ESF)	Yes ¹	Yes	Preset Conferencing (R)	Yes	5.2.1.6.1
			Conference Notification Recorded Announcement (R)	Yes	5.2.1.6.1.1
			Automatic Retrial and Alternate Address (R)	Yes	5.2.1.6.1.2
			Bridge Release (R)	Yes	5.2.1.6.1.3
			Lost Connection to Conferee or Originator (R)	Yes	5.2.1.6.1.4
			Secondary Conferencing (R)	Yes	5.2.1.6.1.5
			Meet-Me Conferencing (C)	Yes	5.2.1.6.2
			Address Translation (R)	Yes	5.2.1.7
	Yes	See note 2.	Conference Precedence Level (R)	Yes	5.2.2.8.7.1
			Security (R)	Yes	4.3.1.2

NOTES:

- The UCR does not specify a minimum required interface for an external conference bridge. The SUT meets the critical interoperability Functional Requirements via a T1 ISDN PRI interface with ANSI T1.619a protocol. Since T1 ISDN PRI is the only interface supported by this conference bridge, it is a critical interface.
- Security is tested by DISA-led Information Assurance test teams and published in a separate report, Reference (f).

LEGEND:

ANSI	American National Standards Institute	PRI	Primary Rate Interface
B8ZS	Bipolar Eight Zero Substitution	R	Required
C	Conditional	SUT	System Under Test
DISA	Defense Information Systems Agency	T1	Digital Transmission Link Level 1 (1.544 Mbps)
ESF	Extended Superframe	T1.619a	SS7 and ISDN MLPP Signaling Standard for T1
ISDN	Integrated Services Digital Network	UCR	Unified Capabilities Requirements
Mbps	Megabits per second		

5. No detailed test report was developed in accordance with the Program Manager’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 <https://jit.fhu.disa.mil> (NIPRNet. 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.

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6. The JITC point of contact is Capt. Stephane Arsenault, DSN 879-5269, commercial (520) 538-5269, FAX DSN 879-4347, or e-mail to stephane.arsenault@disa.mil. The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the SUT is 1014001.

FOR THE COMMANDER:

Enclosure a/s


for BRADLEY A. CLARK
Chief
Battlespace Communications Portfolio

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Distribution (electronic mail):

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

Defense Information Systems Agency, GS23

ADDITIONAL REFERENCES

- (c) Office of the Assistant Secretary of Defense, "Department of Defense 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) Joint Interoperability Test Command, Memo, JTE, "Special Interoperability Test Certification of the Forum Communications Consortium II with Software Release 7.1," 19 January 2011
- (f) Joint Interoperability Test Command, "Information Assurance (IA) Assessment of Forum Communications Consortium II Release (Rel.) 7.1 (Tracking Number 1014001)," 19 January 2011