



DEFENSE INFORMATION SYSTEMS AGENCY

P. O. BOX 4502
ARLINGTON, VIRGINIA 22204-4502

IN REPLY

REFER TO: Joint Interoperability Test Command (JTE)

27 June 2008

MEMORANDUM FOR DISTRIBUTION

Subject: Special Interoperability Test Certification of the Forum Communications Consortium II Conference Server, Software Release 5.3

References: (a) DoD Directive 4630.5, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004
(b) CJCSI 6212.01D, "Interoperability and Supportability of Information Technology and National Security Systems," 8 March 2006
(c) and (d), see enclosure 1

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 Conference Server, Software Release 5.3 is hereinafter referred to as the System Under Test (SUT). The SUT meets all of the critical interoperability requirements and is certified for joint use within the Defense Switched Network (DSN). The SUT is an audio conferencing server that can support up to 16 Digital Transmission Link Level 1 (T1) Primary Rate Interface (PRI) and 384 participants over multiple conference types including Meet Me, Recurring calls, or Quick Conferences. The SUT meets all of the critical interoperability requirements and is certified for joint use with all digital switching systems listed on the DSN Approved Products List (APL) that offer a certified T1 ISDN PRI with American National Standards Institute (ANSI) T1.619a protocol. The SUT meets the critical interoperability requirements for attendant services set forth in reference (c) and testing was conducted using test procedures derived from reference (d). No other configurations, features, or functions, except those cited within this report are certified by the JITC, or authorized by the Program Management Office for use within the DSN. This certification expires upon changes that affect interoperability, but no later than three years from the date of this memorandum.
3. This certification is based on interoperability testing conducted by JITC at the Global Information Grid Network Test Facility, Fort Huachuca, Arizona, from 5 through 9 May 2008. Review of vendor's LoC was completed on 23 May 2008. 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	Met	UCR Paragraph																																
T1 ISDN PRI	Yes ¹	Yes	Preset Conferencing (C)	Yes	2.6.1																																
			Conference Notification Recorded Announcement (R)	Yes	2.6.1.1																																
			Conference Precedence Level (R)	Yes	3.8.7.1																																
			Automatic Retrial and Alternate Address (R)	Yes	2.6.1.2																																
			Bridge Release (R)	Yes	2.6.1.3																																
			Lost Connection to Conferee or Originator (R)	Yes	2.6.1.4																																
			Secondary Conferencing (R)	Yes	2.6.1.5																																
			Meet-Me Conferencing (R)	Yes	2.6.2																																
	Yes	See note 2.	Address Translation (R)	Yes	2.7																																
	Yes	See note 2.	Security (R)	See note 2.	Section 13																																
<p>LEGEND:</p> <table> <tr> <td>ANSI</td> <td>- American National Standards Institute</td> <td>MLPP</td> <td>- Multi-Level Precedence and Preemption</td> </tr> <tr> <td>C</td> <td>- Conditional</td> <td>PRI</td> <td>- Primary Rate Interface</td> </tr> <tr> <td>CAS</td> <td>- Channel Associated Signaling</td> <td>R</td> <td>- Required</td> </tr> <tr> <td>DISA</td> <td>- Defense Information Systems Agency</td> <td>SS7</td> <td>- Signaling System 7</td> </tr> <tr> <td>E1</td> <td>- European Basic Multiplex Rate (2.048 Mbps)</td> <td>SUT</td> <td>- System Under Test</td> </tr> <tr> <td>IP</td> <td>- Internet Protocol</td> <td>T1</td> <td>- Digital Transmission Link Level 1 (1.544 Mbps)</td> </tr> <tr> <td>ISDN</td> <td>- Integrated Services Digital Network</td> <td>T1.619a</td> <td>- SS7 and ISDN MLPP Signaling Standard for T1</td> </tr> <tr> <td>Mbps</td> <td>- Megabits per second</td> <td></td> <td></td> </tr> </table> <p>NOTES:</p> <p>1 In accordance with the UCR, the SUT can meet the external bridge requirements via one of the following interfaces: IP, ISDN PRI, T1 CAS, or E1 CAS. The SUT meets the critical interoperability Functional Requirements via a T1 ISDN PRI with ANSI T1.619a protocol. Since T1 PRI is the only interface supported by this conference bridge, it is a critical interface.</p> <p>2 Security is tested by DISA-led Information Assurance test teams and published in a separate report.</p>						ANSI	- American National Standards Institute	MLPP	- Multi-Level Precedence and Preemption	C	- Conditional	PRI	- Primary Rate Interface	CAS	- Channel Associated Signaling	R	- Required	DISA	- Defense Information Systems Agency	SS7	- Signaling System 7	E1	- European Basic Multiplex Rate (2.048 Mbps)	SUT	- System Under Test	IP	- Internet Protocol	T1	- Digital Transmission Link Level 1 (1.544 Mbps)	ISDN	- Integrated Services Digital Network	T1.619a	- SS7 and ISDN MLPP Signaling Standard for T1	Mbps	- Megabits per second		
ANSI	- American National Standards Institute	MLPP	- Multi-Level Precedence and Preemption																																		
C	- Conditional	PRI	- Primary Rate Interface																																		
CAS	- Channel Associated Signaling	R	- Required																																		
DISA	- Defense Information Systems Agency	SS7	- Signaling System 7																																		
E1	- European Basic Multiplex Rate (2.048 Mbps)	SUT	- System Under Test																																		
IP	- Internet Protocol	T1	- Digital Transmission Link Level 1 (1.544 Mbps)																																		
ISDN	- Integrated Services Digital Network	T1.619a	- SS7 and ISDN MLPP Signaling Standard for T1																																		
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 <http://jit.fhu.disa.mil> (NIPRNet), or <http://199.208.204.125> (SIPRNet). Information related to DSN testing is on the TSSI website at <http://jitc.fhu.disa.mil/tssi>.

JITC Memo, JTE, Special Interoperability Test Certification of the Forum Communications Consortium II Conference Server, Software Release 5.3

6. The JITC point of contact is CAPT Oskar Widecki, DSN 879-5269, commercial (520) 538-5269, FAX DSN 879-4347, or e-mail to oskar.widecki@disa.mil. The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the SUT is 0802301.

FOR THE COMMANDER:



RICHARD A. MEADOR
Chief
Battlespace Communications Portfolio

2 Enclosures a/s

Distribution:

Joint Staff J6I, Room 1E596, Pentagon, Washington, DC 20318-6000
Joint Interoperability Test Command, Liaison, ATTN: TED/JT1, 2W24-8C, P.O. Box 4502, Falls Church, VA 22204-4502
Defense Information Systems Agency, Net-Centricity Requirements and Assessment Branch, ATTN: GE333, Room 244, P.O. Box 4502, Falls Church, VA 22204-4502
Office of Chief of Naval Operations (N71CC2), CNO N6/N7, 2000 Navy Pentagon, Washington, DC 20350
Headquarters U.S. Air Force, AF/XICF, 1800 Pentagon, Washington, DC 20330-1800
Department of the Army, Office of the Secretary of the Army, CIO/G6, ATTN: SAIS-IOQ, 107 Army Pentagon, Washington, DC 20310-0107
U.S. Marine Corps (C4ISR), MARCORSSYSCOM, 2200 Lester St., Quantico, VA 22134-5010
DOT&E, Net-Centric Systems and Naval Warfare, 1700 Defense Pentagon, Washington, DC 20301-1700
U.S. Coast Guard, CG-64, 2100 2nd St. SW, Washington, DC 20593
Defense Intelligence Agency, 2000 MacDill Blvd., Bldg 6000, Bolling AFB, Washington, DC 20340-3342
National Security Agency, ATTN: DT, Suite 6496, 9800 Savage Road, Fort Meade, MD 20755-6496
Director, Defense Information Systems Agency, ATTN: GS235, Room 5W24-8A, P.O. Box 4502, Falls Church, VA 22204-4502
Office of Assistant Secretary of Defense (NII)/DoD CIO, Crystal Mall 3, 7th Floor, Suite 7000, 1851 S. Bell St., Arlington, VA 22202
Office of Under Secretary of Defense, AT&L, Room 3E144, 3070 Defense Pentagon, Washington, DC 20301
U.S. Joint Forces Command, J68, Net-Centric Integration, Communications, and Capabilities Division, 1562 Mitscher Ave., Norfolk, VA 23551-2488
Defense Information Systems Agency (DISA), ATTN: GS23 (Mr. McLaughlin), Room 5W23, 5275 Leesburg Pike (RTE 7), Falls Church, VA 22041

ADDITIONAL REFERENCES

- (c) Defense Information Systems Agency, "Department of Defense Networks Unified Capabilities Requirements," 21 December 2007
- (d) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP), Change 2," 2 October 2006

CERTIFICATION TESTING SUMMARY

1. SYSTEM TITLE. The Forum Communications Consortium II Conference Server, Software Release 5.3, hereinafter referred to as System Under test (SUT).

2. PROPONENT. United States Air Force, Space Command (USAF AFSPC).

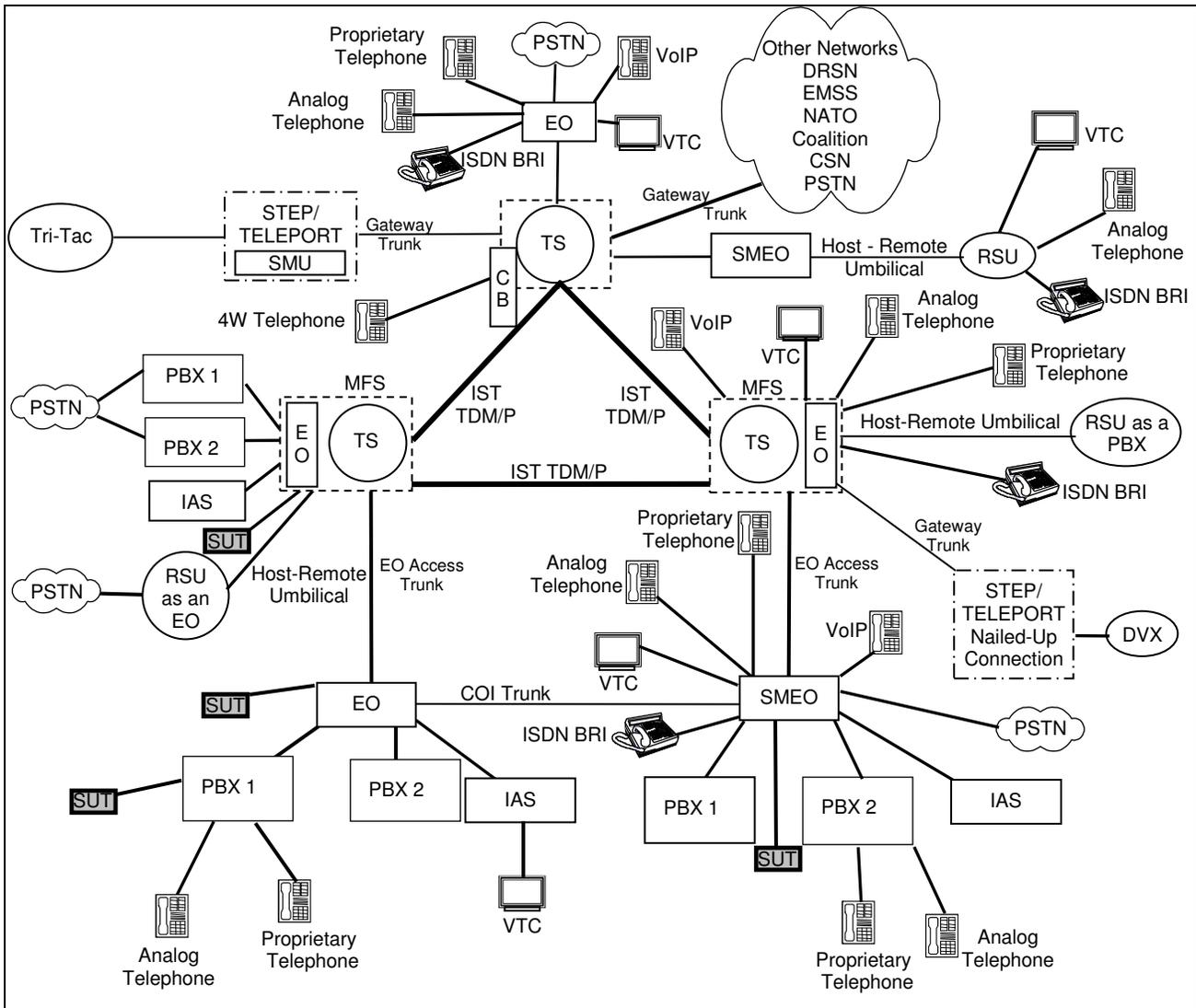
3. PROGRAM MANAGER. Joe Gibbons, Satellite Systems Manager, 150 Vandenberg Street, Suite 1105, Peterson Air Force Base, Colorado, 80914 e-mail: joseph.gibbons@peterson.af.mil.

4. TESTER. Joint Interoperability Test Command (JITC), Fort Huachuca, Arizona.

5. SYSTEM UNDER TEST DESCRIPTION. The SUT is an audio conferencing server that can support up to 16 Digital Transmission Link Level 1 (T1) Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI) and 384 participants over multiple conference types including Meet Me, Recurring calls, or Quick Conferences. The Consortium II includes flexibility and control to administer the conferences with a user interface, integrated Microsoft Outlook streamlines scheduling for all participants. The SUT features include:

- Reserving, creating, controlling, and modifying conferences using touchtone commands, standard web browser over the web or Microsoft Outlook.
- Automatically notifying participants of scheduling.
- Digitally recording conferences for a later MP3 playback.

6. OPERATIONAL ARCHITECTURE. The Unified Capabilities Requirements (UCR) Defense Switched Network (DSN) architecture in figure 2-1 depicts the relationship of the SUT to the DSN switches.



- LEGEND:**
- | | | | |
|------|---------------------------------------|---------|-----------------------------------------------|
| 4W | - 4-Wire | PBX | - Private Branch Exchange |
| BRI | - Basic Rate Interface | PBX 1 | - Private Branch Exchange 1 |
| CB | - Channel Bank | PBX 2 | - Private Branch Exchange 2 |
| COI | - Community of Interest | PSTN | - Public Switched Telephone Network |
| CSN | - Canadian Switch Network | RSU | - Remote Switching Unit |
| DRSN | - Defense Red Switch Network | SMEO | - Small End Office |
| DSN | - Defense Switched Network | SMU | - Switched Multiplex Unit |
| DVX | - Deployable Voice Exchange | STEP | - Standardized Tactical Entry Point |
| EMSS | - Enhanced Mobile Satellite System | SUT | - System Under Test |
| EO | - End Office | TDM/P | - Time Division Multiplex/Packetized |
| IAS | - Integrated Access Switch | Tri-Tac | - Tri-Service Tactical Communications Program |
| ISDN | - Integrated Services Digital Network | TS | - Tandem Switch |
| IST | - Interswitch Trunk | VoIP | - Voice over Internet Protocol |
| MFS | - Multifunction Switch | VTC | - Video Teleconferencing |
| NATO | - North Atlantic Treaty Organization | | |

Figure 2-1. DSN Architecture

7. REQUIRED SYSTEM INTERFACES. Requirements specific to the SUT and interoperability results are listed in table 2-1. These requirements are derived from the GSCR. Interface and Functional Requirements (FRs) and were verified through JITC testing.

Table 2-1. SUT Functional Requirements and Interoperability Status

Interface	Critical	Certified	Functional Requirements	Met	UCR Paragraph																																
T1 ISDN PRI	Yes ¹	Yes	Preset Conferencing (C)	Yes	2.6.1																																
			Conference Notification Recorded Announcement (R)	Yes	2.6.1.1																																
			Conference Precedence Level (R)	Yes	3.8.7.1																																
			Automatic Retrial and Alternate Address (R)	Yes	2.6.1.2																																
			Bridge Release (R)	Yes	2.6.1.3																																
			Lost Connection to Conferee or Originator (R)	Yes	2.6.1.4																																
			Secondary Conferencing (R)	Yes	2.6.1.5																																
			Meet-Me Conferencing (R)	Yes	2.6.2																																
			Address Translation (R)	Yes	2.7																																
	Yes	See note 2.	Security (R)	See note 2.	Section 13																																
<p>LEGEND:</p> <table> <tr> <td>ANSI</td> <td>- American National Standards Institute</td> <td>MLPP</td> <td>- Multi-Level Precedence and Preemption</td> </tr> <tr> <td>C</td> <td>- Conditional</td> <td>PRI</td> <td>- Primary Rate Interface</td> </tr> <tr> <td>CAS</td> <td>- Channel Associated Signaling</td> <td>R</td> <td>- Required</td> </tr> <tr> <td>DISA</td> <td>- Defense Information Systems Agency</td> <td>SS7</td> <td>- Signaling System 7</td> </tr> <tr> <td>E1</td> <td>- European Basic Multiplex Rate (2.048 Mbps)</td> <td>SUT</td> <td>- System Under Test</td> </tr> <tr> <td>IP</td> <td>- Internet Protocol</td> <td>T1</td> <td>- Digital Transmission Link Level 1 (1.544 Mbps)</td> </tr> <tr> <td>ISDN</td> <td>- Integrated Services Digital Network</td> <td>T1.619a</td> <td>- SS7 and ISDN MLPP Signaling Standard for T1</td> </tr> <tr> <td>Mbps</td> <td>- Megabits per second</td> <td></td> <td></td> </tr> </table> <p>NOTES:</p> <p>1 In accordance with the UCR, the SUT can meet the external bridge requirements via one of the following interfaces: IP, ISDN PRI, T1 CAS, or E1 CAS. The SUT meets the critical interoperability Functional Requirements via a T1 ISDN PRI with ANSI T1.619a protocol. Since T1 PRI is the only interface supported by this conference bridge, it is a critical interface.</p> <p>2 Security is tested by DISA-led Information Assurance test teams and published in a separate report.</p>						ANSI	- American National Standards Institute	MLPP	- Multi-Level Precedence and Preemption	C	- Conditional	PRI	- Primary Rate Interface	CAS	- Channel Associated Signaling	R	- Required	DISA	- Defense Information Systems Agency	SS7	- Signaling System 7	E1	- European Basic Multiplex Rate (2.048 Mbps)	SUT	- System Under Test	IP	- Internet Protocol	T1	- Digital Transmission Link Level 1 (1.544 Mbps)	ISDN	- Integrated Services Digital Network	T1.619a	- SS7 and ISDN MLPP Signaling Standard for T1	Mbps	- Megabits per second		
ANSI	- American National Standards Institute	MLPP	- Multi-Level Precedence and Preemption																																		
C	- Conditional	PRI	- Primary Rate Interface																																		
CAS	- Channel Associated Signaling	R	- Required																																		
DISA	- Defense Information Systems Agency	SS7	- Signaling System 7																																		
E1	- European Basic Multiplex Rate (2.048 Mbps)	SUT	- System Under Test																																		
IP	- Internet Protocol	T1	- Digital Transmission Link Level 1 (1.544 Mbps)																																		
ISDN	- Integrated Services Digital Network	T1.619a	- SS7 and ISDN MLPP Signaling Standard for T1																																		
Mbps	- Megabits per second																																				

8. TEST NETWORK DESCRIPTION. The SUT was tested at JITC's Global Information Grid Network Test Facility, Fort Huachuca, Arizona, in a manner and configuration similar to that of the DSN operational environment. Testing the system's required functions and features was conducted using the test configuration depicted in figure 2-2.

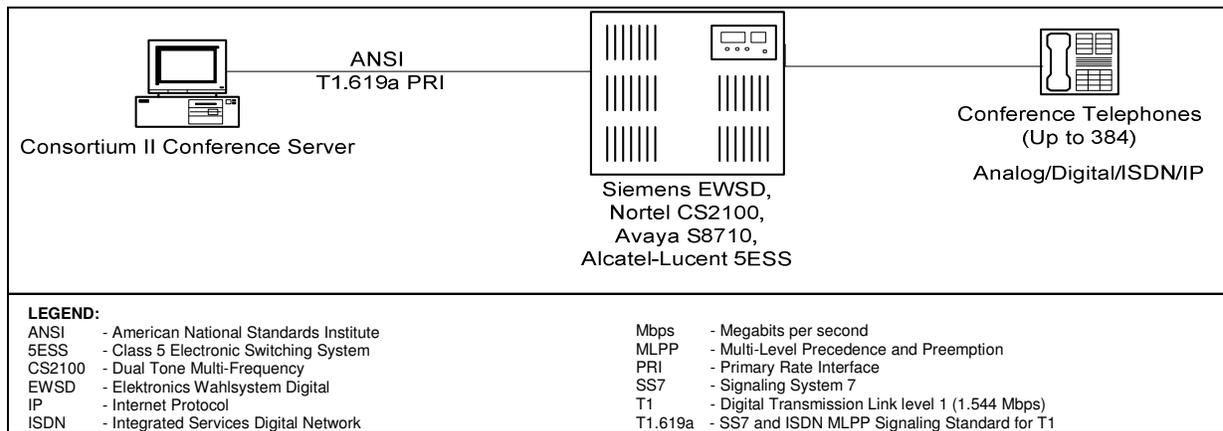


Figure 2-2. SUT Test Configuration

9. SYSTEM CONFIGURATIONS. Table 2-2 provides the system configurations, hardware and software components tested with the SUT. The SUT was tested in an operationally realistic environment to determine interoperability with a complement of DSN switches noted in table 2-2. The DSN switches listed in table 2-2 only depict the tested configuration. Table 2-2 is not intended to identify the only switches that are certified for use with the SUT. The SUT is certified with switching systems listed on the DSN APL that offer a certified T1 ISDN PRI with American National Standards Institute (ANSI) T1.619a protocol.

Table 2-2. Tested System Configurations

System Name	Hardware/Software Release		
Nortel CS2100	Succession Enterprise (SE)09.1		
Alcatel-Lucent 5ESS	5E16.2, Broadcast Warning Message (BWM) 07-0003		
Avaya S8710	Communication Manager (CM) 4.0 (R014x.00.2.731.7: Super Patch 14419)		
Siemens EWSD	19d with Patch Set 46		
SUT Release 5.3	Component	Application/Software	
	Forum Consortium II Conference Server	Microsoft Windows Server 2003 Second Edition (SE) SP2, Consortium Server Software Version 5.3, IE 6 or Firefox 2, Sun Java Runtime Environment, Internet Information Services (IIS) 6.0	
LEGEND:			
5ESS	- Class 5 Electronic Switching System	IE	- Internet Explorer
CS	- Communication Server	SP	- Service Pack
EWSD	- Elektronisches Wahlsystem Digital	SUT	- System Under Test

10. TEST LIMITATIONS. None.

11. TEST RESULTS

a. Discussion

(1) Preset Conferencing. The SUT met the following requirements for preset conference as described in GSCR, paragraph 2.6.1:

- (a) Ten separate conference bridges with each bridge having the capacity for one originator and 20 conferees.
- (b) The capability to function as the “Primary,” “Secondary,” or “Alternate” bridge that will interconnect to other bridges that support up to a maximum of 191 conferees using all ten bridges off the same switch for the same conference.
- (c) Preset Conference (abbreviated pool of subscribers/bridges) assignment of abbreviated numbers not greater than 20 switch address numbers per bridge. Such an address number could be a combination of subscriber lines and other conference bridge access.
- (d) Preset conference network(s) that require more than 20 conferees uses the cascading bridge method of expanding the number of conferees beyond 20.
- (e) Each preset conference bridge is capable of Multi-Level Precedence and Preemption (MLPP) access control and is fully interoperable with the serving switch to permit full MLPP access and control.
- (f) When a conferee’s telephone is not answered, an automatic disconnect takes place within an adjustable interval of 15 to 60 seconds after a bridge leg is first connected to the conferee line.
- (g) Originators of the preset conference have the capability of adding up to five non-programmed conferees (within the 21 conferees capability) to the conference by sequentially keying each add-on address and connecting the conferee to the bridge.

(2) Conference Notification Recorded Announcement. When the conference equipment receives the first off-hook supervisory signal from an answering conferee, conference notification recording shall be applied and shall continue as an audible announcement to answering conferees and to the originator until all conferees answer. The conference notification recording shall automatically be removed 2 seconds after the last conferee answers, indicating the conferees have all answered and that the conference is ready to begin. The SUT met the following FRs for Origination and Recording as described in GSCR, paragraph 2.6.1.1:

- (a) Each bridge generates a notification recording that is audible only to those conferees on that bridge.
- (b) When all conferees on a bridge have answered, the conference notification recording is removed automatically from the bridge two seconds after the last conferee answers.

(c) When the conference notification recording is removed automatically from a bridge, the notification recording from the adjacent bridge, if continuing, then becomes audible to the originator and to the conferees on the remaining bridge(s).

(d) When a conferee disconnects, a conference disconnect tone is sent to the originator and other conferees in the conference.

(3) Conference Precedence Level. The SUT met the following FRs for Conference Precedence Level as described in GSCR, paragraph 3.8.7.1:

(a) When a preset conference is initiated, an idle bridge in the desired conference group is seized and the conference connections attempted.

(b) When all conference bridges are busy, ROUTINE conference call attempts are connected to a "Line Busy" tone and the call attempts at precedence levels above ROUTINE reexamine all conference bridges on a preemptive basis.

(c) When a conference bridge is busy at the lowest level of precedence stored for all units, it shall be preempted for a higher precedence conference call.

(d) When a conference bridge is preempted, a two-second burst of preempt tone is provided to the conferees on the existing conference. The existing connections to the bridge are dropped and the bridge automatically sends an on-hook signal to the associated switch ports to permit the new connections to be established.

(e) When the requested precedence level is equal to or lower than that of any existing conference, the connection is denied and the caller is provided a Blocked Precedence Announcement.

(4) Automatic Retrial and Alternate Address. The SUT met the following FRs for Automatic Retrial and Alternate Address as described in GSCR, paragraph 2.6.1.2:

(a) Off-hook supervision is returned to the originator from each bridge when all conferees have answered or when the originator has forced the conference prior to all conferees answering.

(b) If answer supervision is not returned from any conferee location within an adjustable interval of 15 to 60 seconds, one automatic retrial is made to the primary conferee address.

(c) Conferees are provided with alternate addresses that the SUT tries when the call fails to complete to the primary address.

(d) When a call to a primary address fails to complete within two trials, the call is directed to an alternate address, if provided, and two call attempts are made to the alternate address.

(5) Bridge Release. The SUT met the following FRs for Bridge Release as described in GSCR, paragraph 2.6.1.3:

(a) The primary bridge is released when on-hook supervision is received on the originating port of the primary bridge or on all of the other conference bridge ports.

(b) If on-hook supervision is received on the originating port of secondary or tertiary bridges, all subsequent connections and equipment are released.

(c) A conference bridge is released after all attempts at call completion are made and no answers are received on all ports.

(d) A release of conference bridges is such that it is impossible for the bridges to become locked together.

(6) Lost Connection to Conferee or Originator. The SUT met the following FRs for Lost Connection to Conferee or Originator as described in GSCR, paragraph 2.6.1.4:

(a) If the originator is lost or preempted, the bridge is held up long enough for preempt tone to be given to all conferees.

(b) If a connection to a conferee is lost, due to disconnection or preemption, a distinctive disconnect signal, defined as a conference disconnect tone, is provided to the conference originator and all conferees.

(7) Secondary Conferencing. The GSCR requirement states that a switch shall provide the capability of secondary conferencing, which is the ability to interconnect conference bridges located at separate DSN switches. The SUT, as an external bridge connected to the switch, met the following FRs for Secondary Conferencing as described in GSCR, paragraph 2.6.1.5:

(a) When a conference is activated and two or more of the addressees require a secondary bridge, the address is processed in the normal manner and directed toward the office serving the secondary equipment.

(b) The conference equipment is designed so that it may be used alternatively for primary or secondary conferences.

(c) Identical operational features, such as application and removal of the conference notification recorded announcement, are provided for both primary and secondary conferences.

(8) Meet-Me Conferencing. The GSCR requirement states that a switch shall meet the Meet-Me conference requirements with an internal or external conference bridge. The SUT, as an external bridge connected to the switch, met the following FRs for Meet-Me Conferencing as described in GSCR, paragraph 2.6.2:

(a) Each Meet-Me conference bridge shall be fully capable of MLPP access and control as described in paragraph 3.1.4.

(b) When a precedence call above ROUTINE is placed to a Meet-Me conference bridge that is activated with no remaining idle resources, the switch shall conduct a preemptive search to determine the lowest active resource on the bridge, and that resource shall receive a precedence notification tone and be preempted. All remaining conferees on the bridge shall receive a conference disconnect tone.

(9) Address Translations. The SUT met the following FRs for Address Translations as described in GSCR, paragraph 2.7:

Translation of the seven-digit conference address is met as follows:

(a) The switch shall have the capability to translate three digits of the switch code.

(b) The first two digits of the four-digit line number are utilized to identify the switching center at which the conferencing equipment is located.

(c) The four-digit line number is translated to indicate the particular preset conference arrangement.

b. Test Summary. The SUT met the critical interoperability requirements for an audio conferencing server and is certified for use in the DSN. The SUT is certified for use with any digital switching system listed on the DSN APL that offer a certified T1 ISDN PRI with ANSI T1.619a protocol.

12. TEST AND ANALYSIS REPORT. 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 <http://jit.fhu.disa.mil>

(NIPRNet), or <http://199.208.204.125> (SIPRNet). Information related to DSN testing is on the TSSI website at <http://jtc.fhu.disa.mil/tssi>.