



DEFENSE INFORMATION SYSTEMS AGENCY

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Joint Interoperability Test Command (JTE)

25 Jan 12

IN REPLY
REFER TO:

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the Radvision Scopia Elite Family from Software Release (SR) 7.5.1.11.9 to SR 7.5.1.11.19 and the Polycom Serial Gateway with SR 5.7.2.0.G

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

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 Radvision Scopia Elite 5230 with SR 7.5.1.11.9 and Polycom Serial Gateway with SR 5.7.2.0.G are hereinafter referred to as the System Under Test (SUT). The SUT was originally certified for joint use in the Defense Information System Network as a Video Teleconferencing (VTC) system, Reference (c). The vendor submitted a Desktop Review (DTR) to close existing Information Assurance (IA) findings based on the vendor-delivered Plan of Action and Milestones (POA&M). The Telecommunication Systems Security Assessment Program (TSSAP) conducted testing using product requirements derived from the Unified Capabilities Requirements (UCR), Reference (d), and test procedures, Reference (e). JITC will verify the SUT's certification status during operational deployment. Any new discrepancy noted in the operational environment will be evaluated for impact on the existing certification. These discrepancies will be adjudicated to the satisfaction of Defense Information Systems Agency via vendor POA&Ms that address all new critical discrepancies within 120 days of identification. The JITC does not certify any other configurations, features, or functions, except those cited in this memorandum, or authorized by the Program Management Office. This certification extension 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, 12 March 2011.

3. JITC approves the extension of this certification for DTR 1 to change the SUT's software from SR 7.5.1.11.9 to SR 7.5.1.11.19. The DTR also closed the following IA findings based on the vendor-delivered POA&M: the SUT was not PKI enabled, it was not IPv6 compliant per

UCR 2008, Change 3, and it did not implement a warning message when log messages were full. Approval is based on Verification and Validation (V&V) testing to validate the fixes conducted from 28 November through 2 December 2011 by the Air Force Test Facility, TSSAP lab and DISA CA approval. The results of the test for this product are published in a separate IA report, Reference (g). Based on V&V test results JITC and TSSAP have determined that there was no impact on interoperability.

4. Table 1 lists the interfaces, Capability Requirements (CR), Functional Requirements (FR), and component status of the SUT. The threshold Capability/Functional requirements for VTCs was established by Section 5.2.4 of Reference (c) and were used to evaluate the interoperability of the SUT.

Table 1. SUT CRs, FRs, and Interoperability Status

Interface	Critical	Certified	Requirements Required or Conditional	Status	UCR Reference
IP (10/100 Mbps) ITU-T H.323	Yes	Yes ²	The VTC system/endpoints shall meet the requirements of FTR1080B-2002. (R)	Met	5.2.4.2
			ITU-T H.323 in accordance with FTR 1080B-2002. (C)	Met	5.2.4.2
			Layer 3 Differential Service Code Point tagging as specified in the UCR, Section 5.3.1. (C)	Partially Met ³	5.2.4.2
			A loss of any conferee on a multipoint videoconference shall not terminate or degrade the DSN service supporting VTC connections of any of the other conferees on the videoconference. (R)	Met	5.2.4.2
			Physical, electrical, and software characteristics shall not degrade or impair switch and associated network operations. (R)	Met	5.2.4.2
			VTU IP interface must be IPv6 capable. (R)	Partially Met ^{2,3}	Reference (d)
Serial EIA-366A EIA-449 EIA-530 ITU-T V.35	No ¹	Yes	The VTC system/endpoints shall meet the requirements of FTR1080B-2002. (R)	Met	5.2.4.2
			A loss of any conferee on a multipoint videoconference shall not terminate or degrade the DSN service supporting VTC connections of any of the other conferees on the videoconference. (R)	Met	5.2.4.2
			Integrated Serial interface to another device shall be in conformance with the requirements for that device as described in FTR1080B-2002. (C)	Met	5.2.4.2
			Physical, electrical, and software characteristics shall not degrade or impair switch and associated network operations. (R)	Met	5.2.4.2
Security	Yes	Certified	GR-815, STIGs, and DoDI 8510.bb (DIACAP) (R)	See note 4.	4.3.1 and 5.4.6.1

NOTES:

- The UCR does not state a minimum required interface for a VTC system. A VTC system can offer any one of the following interfaces: ISDN BRI, Serial, T1 ISDN PRI, E1 ISDN PRI, and IP. The SUT consists of a VTC Codec and TDM Gateway. The VTC codec only supports IP; therefore, the SUT includes an IP to TDM gateway to connect to the DSN. The gateway included with the SUT is the Polycom Serial Gateway with SR 5.7.2.0.G.
- The SUT met the conditional requirements for an IP interface with the ITU-T H.323 protocol; however, Assured Service is not yet defined for an IP interface with ITU-T H.323 protocol. Therefore, C2 VTC users and Special C2 VTC users are not authorized to be served by an IP interface with the ITU-T H.323 protocol. However, the SUT is certified for C2 and Special C2 VTC sessions via the Polycom Serial Gateway with SR 5.7.2.0.G.
- The SUT supports Differential Service Code Point tagging for IPv4, but does not support this service for IPv6. The SUT did not have the ability to place outbound IPv6 calls but was able to receive inbound IPv6 participants. This discrepancy was adjudicated by DISA on 26 January 2011 as having a minor operational impact. The vendor provided a Plan of Actions and Milestone to correct this issue by December 2011.
- Security is tested by Department of Defense Component lab Information Assurance test teams and published in a separate report, Reference (g).

Table 1. SUT CRs, FRs, and Interoperability Status (continued)

LEGEND:			
BRI	Basic Rate Interface	IP	Internet Protocol
C	Conditional	IPv6	Internet Protocol version 6
C2	Command and Control	ISDN	Integrated Services Digital Network
DIACAP	Department of Defense Information Assurance Certification and Accreditation Process	ITU-T	International Telecommunication Union - Telecommunication Standardization Sector
DISA	Defense Information Systems Agency	Mbps	Megabits per second
DoDI	Department of Defense Instruction	PRI	Primary Rate Interface
DSN	Defense Switched Network	R	Required
EIA	Electronic Industries Association	STIGs	Security Technical Implementation Guides
EIA-366A	Standard for interface between DTE and automatic Calling equipment for data communication	SUT	System Under Test
EIA-449	Standard for 37-position and 9-position interface for DTE and DCE employing serial binary data interchange	TDM	Time Division Multiplexing
EIA-530	Standard for 25-position interface for DTC and DCE Employing serial binary data interchange	T1	Digital Transmission Link Level 1 (1.544 Mbps)
E1	European Basic Multiplex Rate (2.048 Mbps)	UCR	Unified Capabilities Requirements
FTR	Federal Telecommunications Recommendation	V.35	Standard for data transmission at 48 kbps using 60-108 kHz group band circuits
GR	Generic Requirement	V.36	Modems for synchronous data transmission using 60-108 kHz group band circuits
GR 815	Generic Requirements for Network Element/Network System (NE/NS) Security	V.37	Synchronous data transmission at a data signaling rate higher than 72 kbps using 60-108 kHz group band circuits
H.320	Standard for narrowband VTC	VTC	Video Teleconferencing
H.323	Standard for multi-media communications on packet-based networks	VTU	Video Teleconferencing Unit

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 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 Radvision
Scopia Elite Family with Software Release 7.5.1.11.9

6. The JITC point of contact is Mr. Steve Lesneski, DSN 879-5400, commercial (520) 538-5400, FAX DSN 879-4347, or e-mail to steve.lesneski@disa.mil. JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ. 85670-2798. The tracking number for the SUT is 1028101.

FOR THE COMMANDER:

1 Enclosure a/s


for BRADLEY A. CLARK
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Distribution (electronic mail):

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ADDITIONAL REFERENCES

- (c) Joint Interoperability Test Command, "Special Interoperability Test Certification of the Radvision Scopia Elite Family with Software Release (SR) 7.5.1.11.9 and the Polycom Serial Gateway with SR 5.7.2.0.G," 20 July 2011
- (d) Defense Information Systems Agency, "Department of Defense Networks Unified Capabilities Requirements 2008," January 2010
- (e) Office of the Secretary of Defense, "Interim Unified Capabilities (UC) IPv6 Rules of Engagement (ROE)," 31 July 2009
- (f) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP), Change 2," 2 October 2006
- (g) Air Force Test Facility, "Information Assurance (IA) Assessment of Radvision Scopia Elite Family with Software Release 7.5.1.11.9 (TN 1028101)," 28 January 2011