



DEFENSE INFORMATION SYSTEMS AGENCY

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FORT MEADE, MARYLAND 20755-0549

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

23 Jan 13

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the Cisco Unity Connection with Software Release 8.6(1) with update of Engineering Special (ES) 4 to ES 7

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 Defense Information Systems Agency (DISA), Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.
2. The Cisco Unity Connection with Software Release 8.6(1) is hereinafter referred to as the System Under Test (SUT). The SUT meets all of its critical interoperability requirements and is certified as interoperable for joint use within the Defense Information Systems Network (DISN) as a Customer Premise Equipment (CPE) voicemail system with the Cisco Unified Communication Manager (CUCM) Release 8.0(2) and 8.6(1). The SUT met the critical interoperability requirements set forth in References (c) using test procedures derived from Reference (d). Additionally, JITC analysis determined other versions (7.1(2) or later) of the CUCM switching systems listed on the Unified Capabilities (UC) Approved Product List (APL) function identically to the CUCM 8.0(2) and 8.6(1) and are also certified for use within the DISN. Although the SUT offers Internet Protocol version 6 (IPv6) it was not tested during the original test, therefore, the SUT was certified for Internet Protocol version 4 (IPv4) only. IPv6 is a conditional requirement for a CPE device in accordance with Reference (c). 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 the date of the original UC APL memorandum expiration (6 June 2015).
3. The extension of this certification is based upon Desktop Review (DTR) 1. The original certification, documented in Reference (e), is based on interoperability testing, review of the vendor's Letters of Compliance (LoC), DISA adjudication of open test discrepancy reports, and DISA CA Recommendation. Interoperability testing was conducted at JITC's Global Information Grid Network Test Facility, Fort Huachuca, Arizona from 5 through 15 July 2011. Review of the vendor's LoC was completed on 13 February 2012. The DISA CA provided a positive Recommendation on 30 May 2012 based on the security testing completed by DISA-led

Information Assurance (IA) test teams and published in a separate report, Reference (f). This DTR was requested to update from ES 4 to ES 7. This release includes IA fixes and full IPv6 functionality. JITC determined Verification and Validation (V&V) testing was required prior to approval. JITC conducted IA and interoperability V&V testing from 17 through 21 December 2012 and successfully verified the changes associated with this DTR. The vendor also provided an LoC for the IPv6 requirements that were not tested. Therefore, JITC approves this DTR. The DISA CA provided a positive recommendation for this update on 23 January 2013. The results of the IA testing are published in a separate report, Reference (f).

4. The Capability Requirements (CR) and Functional Requirements (FR) used to evaluate the interoperability of the SUT and the interoperability statuses are indicated in Table 1. This interoperability test status is based on the SUT's ability to meet CPE voicemail system requirements specified in Section 5 of Reference (c) verified through JITC testing and/or vendor submission of LoC.

Table 1. SUT CR and FRs and Interoperability Status

Interface	Critical	Certified	CRs/FRs	Met	UCR Paragraph																												
IP 1000BaseT (IEEE 802.3-2005)	Yes	Yes	Differentiated Service Code Point (R)	Met	5.3.3.3.2																												
			IEEE 802.3 (C)	Met	5.2.1.2																												
			IPv6 (C)	Met ¹	5.3.5																												
			FCC Part15/Part 68 (R)	Met	5.2.1.2																												
			ROUTINE precedence only IAW UCR, paragraph 5.3.2.31.3 (R)	Met	5.2.1.2																												
Security	Yes	Yes	Security (R)	Met ²	5.4																												
<p>NOTES:</p> <p>1. SUT IPv6 capability was not included in the original certification. IPv6 capability was successfully demonstrated during the Verification and Validation testing conducted from 17 through 21 December in support of Desktop Review 1. The vendor also provided an LoC for the IPv6 requirements that were not tested.</p> <p>2. Security is tested by DISA-led Information Assurance test teams and published in a separate report, Reference (e).</p> <p>LEGEND:</p> <table> <tr> <td>1000BaseT</td> <td>1000 Mbps (Baseband Operation, Twisted Pair) Ethernet</td> <td>IAW</td> <td>In accordance with</td> </tr> <tr> <td>802.3-2005</td> <td>Local Area Network/metropolitan Area Network Carrier Sense Multiple Access/Collision Detection Access Method</td> <td>IEEE</td> <td>Institute of Electrical and Electronics Engineers</td> </tr> <tr> <td>C</td> <td>Conditional</td> <td>IP</td> <td>Internet Protocol</td> </tr> <tr> <td>DISA</td> <td>Defense Information Systems Agency</td> <td>IPv6</td> <td>Internet Protocol version 6</td> </tr> <tr> <td>FCC</td> <td>Federal Communications Commission</td> <td>R</td> <td>Required</td> </tr> <tr> <td></td> <td></td> <td>SUT</td> <td>System Under Test</td> </tr> <tr> <td></td> <td></td> <td>UCR</td> <td>Unified Capabilities Requirements</td> </tr> </table>						1000BaseT	1000 Mbps (Baseband Operation, Twisted Pair) Ethernet	IAW	In accordance with	802.3-2005	Local Area Network/metropolitan Area Network Carrier Sense Multiple Access/Collision Detection Access Method	IEEE	Institute of Electrical and Electronics Engineers	C	Conditional	IP	Internet Protocol	DISA	Defense Information Systems Agency	IPv6	Internet Protocol version 6	FCC	Federal Communications Commission	R	Required			SUT	System Under Test			UCR	Unified Capabilities Requirements
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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). 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). 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

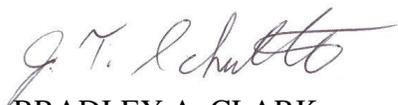
JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Cisco Unity Connection with Software Release 8.6(1) with update of Engineering Special (ES) 4 to ES 7

deployment guide must be requested directly through government civilian or uniformed military personnel from the Unified Capabilities Certification Office (UCCO), e-mail: disa.meade.ns.list.unified-capabilities-certification-office@mail.mil. All associated data is available on the DISA UCCO website located at <http://www.disa.mil/ucco/>.

6. The JITC point of contact is CPT Jonathan Kim, DSN 879-5182, commercial (520) 538-5182, FAX DSN 879-4347, or e-mail to jonathan.s.kim.mil@mail.mil. JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The UCCO tracking number for the SUT is 1109701.

FOR THE COMMANDER:

Enclosure a/s


for BRADLEY A. CLARK
Acting Chief
Battlespace Communications Portfolio

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ADDITIONAL REFERENCES

- (c) Office of the Assistant Secretary of Defense, "Department of Defense Unified Capabilities Requirements 2008, Change 2," December 2010
- (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 Cisco Unity Connection with Software Release 8.6(1)," 1 June 2012
- (f) Joint Interoperability Test Command, "Information Assurance (IA) Assessment of Cisco Unity Connection Release (Rel.) 8.6 (Tracking Number 1109701)," Draft