



DEFENSE INFORMATION SYSTEMS AGENCY

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

28 JUL 14

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Joint Interoperability Certification of the Cisco Systems 5508 and WISM2 WLC and AP1131, AP1242, and AP3500, Software Release 7.0.240.0, for WLAS and WAB

- References: (a) Department of Defense Instruction 8100.04, "DoD Unified Capabilities (UC)," 9 December 2010
(b) DoD CIO, Memorandum, "Interim Guidance for Interoperability of Information Technology (IT) and National Security Systems (NSS)," 27 March 2012
(c) through (e), see Enclosure 1

1. Certification Authority. References (a) and (b) establish the Joint Interoperability Test Command (JITC) as the Joint Interoperability Certification Authority for the Unified Capabilities (UC) products.

2. Conditions of Certification. The Cisco Systems, Inc. 5508 and Wireless Services Module 2 (WISM2) wireless local area network (LAN) controllers (WLCs) and AP1131, AP1242, and AP3500 access points (APs), Software Release 7.0.240.0 with FIPS 140-1 Level 2 compliance, hereinafter referred to as the System Under Test (SUT), was originally certified for joint use in the Defense Information System Network as a Wireless Local Area Network (LAN) Access System (WLAS) and Wireless Access Bridge (WAB), with the conditions described in Table 1. The vendor submitted Desktop Review 1 (DTR1) to request addition of the AIR-AP-3500P Access Point to the current certification based on similarity, as the AIR-AP-3500P uses the same radios and software as the previously certified AIR-AP-3500E and AIR-AP-3500I access points, the only difference being the antennas. No other configurations, features, or functions, except those cited within this memorandum, are certified by JITC or authorized by the Program Management Office for use. This certification expires upon changes that affect interoperability, but no later than three years from the date of the DoD Unified Capabilities Approved Product List approval memorandum (18 March 2014).

Table 1. Conditions

Table with 3 columns: Condition, Operational Impact, Remarks. Row 1: UCR Waivers. Row 2: None.

Table 1. Conditions (continued)

Condition	Operational Impact	Remarks												
Conditions of Fielding														
System may not be used for ASLAN voice or video, but can be used for non-ASLAN voice, video, and data	Critical for ASLAN deployment; Minor for non-ASLAN	EDG-000350 If a WLAS is used as part of the LAN design supporting VoIP subscribers, the following requirements must be met: a. Failure of a WLAS shall not cause the loss of a call as the connection transfers from the primary to alternate system. However, it may allow a single momentary 5-second delay in voice bearer traffic in both directions of the wireless link as wireless VoIP telephone clients are re-authenticated to the standby system. The 5-second voice delay will not be factored into the overall Mean Opinion Score (MOS).												
Open Test Discrepancies														
Accepted POA&M of May 2014	Minor with POA&M	IA-049030 If both of the above are available, then the product shall be configurable to provide preference for one over the other.												
Accepted POA&M of May 2014	Minor with POA&M	IA-049040 The product should (not shall) be configurable to provide preferences or a preconfigured OCSP responder based on the Issuer DN.												
Accepted POA&M of May 2014	Minor with POA&M	IA-056010 The product shall be capable of ensuring that the key usage extension in the end entity certificate is set properly.												
Accepted POA&M of May 2014	Minor with POA&M	IA-059000 Periodically, the system shall examine all of the certificates and trust chains associated with ongoing, long-lived, sessions. The system shall terminate any ongoing sessions based on updated revocation/trust information if it is determined that the corresponding certificates have been revoked, are no longer trusted, or are expired.												
Accepted POA&M of May 2014	Minor with POA&M	IA-059040 If the system supports queries against an online status check responder (an OCSP responder in the case of the DoD PKI), then the system shall periodically query the responder to determine if the certificates corresponding to any ongoing sessions have been revoked.												
Accepted POA&M of May 2014	Minor with POA&M	IA-059050 If the system supports queries against an online status check responder (an OCSP responder in the case of the DoD PKI), by default, for each session, then the device shall query the online status check responder every 24 hours for as long as the session remains active.												
Accepted POA&M of May 2014	Minor with POA&M	IA-059060 If the system supports queries against an online status check responder (an OCSP responder in the case of the DoD PKI), then the system shall support the ability to configure the interval at which the system periodically queries the online status check responder.												
Accepted POA&M of May 2014	Minor with POA&M	IA-060000 [Alarm] The system shall be capable of sending an alert when installed certificates corresponding to trust chains, OCSP responder certificates, or any other certificates installed on the device that cannot be renewed in an automated manner, are nearing expiration.												
Accepted POA&M of May 2014	Minor with POA&M	IA-060010 [Required: SS, SC, MG, SBC, RSF, R, AEI, LS, SD; Conditional: EI] [Alarm] By default, the system shall be capable of sending this alert 60 days before the expiration of the installed credentials, which cannot be renewed automatically. This alert should be repeated periodically on a weekly or biweekly basis by default.												
<p>NOTE(S): None.</p> <p>LEGEND:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">AS Assured Services</td> <td style="width: 50%;">PKI Public Key Infrastructure</td> </tr> <tr> <td>DoD Department of Defense</td> <td>POA&M Plan Of Actions and Milestones</td> </tr> <tr> <td>DN Distinguished Name</td> <td>TDR Technical Discrepancy Report</td> </tr> <tr> <td>IA Information Assurance</td> <td>UCR Unified Capabilities Requirements</td> </tr> <tr> <td>LAN Local Area Network</td> <td>WAB Wireless Access Bridge</td> </tr> <tr> <td>OCSP Online Certificate Status Protocol</td> <td>WLAS Wireless LAN Access System</td> </tr> </table>			AS Assured Services	PKI Public Key Infrastructure	DoD Department of Defense	POA&M Plan Of Actions and Milestones	DN Distinguished Name	TDR Technical Discrepancy Report	IA Information Assurance	UCR Unified Capabilities Requirements	LAN Local Area Network	WAB Wireless Access Bridge	OCSP Online Certificate Status Protocol	WLAS Wireless LAN Access System
AS Assured Services	PKI Public Key Infrastructure													
DoD Department of Defense	POA&M Plan Of Actions and Milestones													
DN Distinguished Name	TDR Technical Discrepancy Report													
IA Information Assurance	UCR Unified Capabilities Requirements													
LAN Local Area Network	WAB Wireless Access Bridge													
OCSP Online Certificate Status Protocol	WLAS Wireless LAN Access System													

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3. **Interoperability Status.** Table 2 provides the SUT interface interoperability status and Table 3 provides the Capability Requirements (CR) and Functional Requirements (FR) status. Table 4 provides a Unified Capabilities (UC) Approved Products List (APL) product summary.

Table 2. Interface Status

Interface	UCR # - Mark Applicability: (R), (O), (C)			Notes (fill in Interface capability)
	WLAS	WAB		
Network Management Interface(s) - (See Note 1)				
802.3i (10 Mbps)	7.2.1.1 EDG-000030 a	(R)	(R)	AIR-WLC5508, WS-SVC-WISM-2-K9 (line card in 6509)
802.3j (10 Mbps)	7.2.1.1 EDG-000030 b	(R)	(R)	AIR-WLC5508, WS-SVC-WISM-2-K9 (line card in 6509)
802.3u (100 Mbps)	7.2.1.1 EDG-000030 c	(R)	(R)	AIR-WLC5508, WS-SVC-WISM-2-K9 (line card in 6509)
802.3z (1000 Mbps)	7.2.1.1 EDG-000030 d	(R)	(R)	AIR-WLC5508, WS-SVC-WISM-2-K9 (line card in 6509)
802.3ab (1000 Mbps)	7.2.1.1 EDG-000350 e	(R)	(R)	AIR-WLC5508, WS-SVC-WISM-2-K9 (line card in 6509)
Serial (EIA/TIA)	7.2.3	(C)	(C)	AIR-WLC5508, WS-SVC-WISM-2-K9
Network Interface(s) - (See Note 2)				
802.11a IAW 802.11-2012 Clause 18 – 5 GHz	7.3.2 EDG-000300 a	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.11b IAW 802.11-2012 Clause 17 – 2.4 GHz	7.3.2 EDG-000300 b	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.11g IAW 802.11-2012 Clause 19 – 2.4 GHz	7.3.2 EDG-000300 c	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.11n IAW 802.11-2012 Clause 20 - 2.4 GHz and 5 GHz	7.3.2 EDG-000300 d	(R)	(R)	AIR-AP3502
802.16 IAW 802.16-2012	7.3.2 EDG-000300 e	(R)	(R)	NA
802.3i (10 Mbps)	7.2.1.1 EDG-000030 a	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.3j (10 Mbps)	7.2.1.1 EDG-000030 b	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.3u (100 Mbps)	7.2.1.1 EDG-000030 c	(R)	(R)	AIR-AP1131, AIR-AP1242, AIR-AP3502
802.3z (1000 Mbps)	7.2.1.1 EDG-000030 d	(R)	(R)	AIR-AP3502
802.3ab (1000 Mbps)	7.2.1.1 EDG-000350 e	(R)	(R)	AIR-AP3502
NOTES:				
1. Product shall provide at least one of the specified management interfaces.				
2. Product shall support at least one of the specified wireless protocols(802.11/16) and one of the wired network interfaces (802.3).				
LEGEND:				
C	Conditional	IEEE	Institute of Electrical and Electronics Engineers	
EIA/TIA	Telecommunications Industry Association/Electronic Industries Alliance	IPv6	Internet Protocol version 6	
GHz	GigaHertz	Mbps	Megabits per second	
IAW	In accordance with	O	Optional	
		R	Required	

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4. **Test Details.** JITC approves the extension of this certification for DTR1 without further testing, based on review of the vendor's submission and recommendation from the USAISEC-TIC. The addition of the AIR-AP-3500P does not affect the IA posture of the current certification nor have an impact on previous IO testing results.

5. **Additional Information.** JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. Interoperability status information is available via the JITC System Tracking Program (STP). STP is accessible by .mil/.gov users at <https://stp.fhu.disa.mil/> (NIPRNet). 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). 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: 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/Services/Network-Services/UCCO>.

6. **Point of Contact (POC).** The USAISEC TIC testing point of contact is Mr. James Hatch, USAISEC TIC; commercial (520) 533-2860 or DSN 821-2860; e-mail address is james.d.hatch.12.civ@mail.mil. The JITC certification point of contact is Ms. Lisa Esquivel, commercial telephone (520) 538-5531; e-mail address is lisa.r.esquivel.civ@mail.mil; mailing address Joint Interoperability Test Command, P.O. Box 12798, Fort Huachuca, Arizona 85670-2798. The Unified Capabilities Certification Office tracking number is 1321901.

FOR THE COMMANDER:



for RIC HARRISON
Chief
Networks/Communications and UC Portfolio

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ADDITIONAL REFERENCES

- (c) Office of the Department of Defense Chief Information Officer, “Department of Defense Unified Capabilities Requirements 2013,” January 2013
- (d) Joint Interoperability Test Command, “Wireless LAN Access System (WLAS) and Wireless Access Bridge (WAB) Test Procedures”
- (e) U.S. Army Information Systems Engineering Command, Technology Integration Center (USAISEC TIC), “Information Assurance (IA) Assessment of Cisco Systems, Inc Wireless LAN version 7.0.240 Wireless Local Area Network Access System (WLAS) and Wireless Access Bridge (WAB) (Tracking Number 1321901)”