DEFENSE INFORMATION SYSTEMS AGENCY
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Joint Interoperability Test Command (JTE)   24 July 2024

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Joint Interoperability Certification of Aruba, a Hewlett Packard
           Enterprise company, ClearPass Policy Manager with Software Release 6.11

References: (a) Department of Defense Instruction 8100.04, "DoD Unified Capabilities (UC),"
                  9 December 2010
             (b) Office of the Department of Defense Chief Information Officer, "Department of
                  Defense Unified Capabilities Requirements 2013, Change 2," September 2017
             (c) through (e), see Enclosure

1. Certification Authority. Reference (a) establishes the Joint Interoperability Test Command
(JITC) as the Joint Interoperability Certification Authority for Department of Defense
Information Network (DoDIN) products, Reference (b).

2. Conditions of Certification. Aruba, a Hewlett Packard Enterprise company, ClearPass
Policy Manager with Software Release 6.11, hereinafter referred to as the System Under Test
(SUT), meets the requirements of the Unified Capabilities Requirements, Reference (b), as a
Network Access Control (NAC) and is certified for joint use with the condition described in
Table 1. This certification expires upon changes which affect interoperability, but no later than
the expiration date specified in the DoDIN Approved Products List (APL) memorandum.

This extension of the certification is for Desktop Review (DTR) 1. DTR 1 was requested to
replace the retired C1000 appliance with the N1000 appliance and the retired C3010 appliance
with the N3000 and N3001 appliances. Only the hardware is being updated, the software
versions remain the same.

See Table 4 for an updated list of certified SUT components and Paragraph 4 for additional
details.

Table 1. Conditions

Description	Operational Impact	Remarks
UCR Waivers		
None.		

(Table continues next page.)

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Table 1. Conditions (continued)

Description		Operational Impact	Remarks
TDR#	**Conditions of Fielding**		
	None.		
TDR#	**Open Test Discrepancies**		
ANI-1811-001	SEC-001730, UCR 2013 Change 2, Section 13.2.4.5: The SUT does not perform syntax checking and strict duplicate policy detection during IO testing.	Minor	See note.

NOTE(S): DISA adjudicated this discrepancy on 11 July 2023 as having a minor operational impact. The product does not perform syntax checking as the policies created use pre-populated fields that cannot be manipulated. The product also allows for policy duplication which can be used to quickly create and modify similar policies. These duplicate policies do not impact the operation of the SUT as policies are executed only on first match.

LEGEND:
ANI   Aruba Networks, Inc.
DISA   Defense Information Systems Agency
DTR   Desktop Review
IO   Interoperability

SEC   Security
SUT   System Under Test
TDR   Test Discrepancy Report
UCR   Unified Capabilities Requirements

3. Interoperability Status. Table 2 provides the SUT interface interoperability status, Table 3 provides the Capability Requirements and Functional Requirements status, and Table 4 provides the DoDIN APL Product Summary, to include subsequent DTR updates.

Table 2. Interface Status

Interface (See note 1.)	Applicability (R), (O), (C) NAC	Status	Remarks
Network Management Interfaces			
10 Mbps	C	Met	IAW IEEE 802.3i or 802.3j
100 Mbps	C	Met	IAW IEEE 802.3u
1000 Mbps	C	Met	IAW IEEE 802.3ab or 802.3z
Serial (EIA/TIA)	C	Not Tested	See note 2.
Network Interfaces			
10 Mbps	C	Met	IAW IEEE 802.3i or 802.3j
100 Mbps	C	Met	IAW IEEE 802.3u
1000 Mbps	C	Met	IAW IEEE 802.3ab or 802.3z
10 Gbps	O	Not Tested	IAW IEEE 802.3ae or 802.3an (See note 2.)
40/100 Gbps	O	Not Tested	IAW IEEE 802.3ba or 802.3bm (See note 2.)
2.5/5 Gbps	O	Not Tested	IAW IEEE 802.3bz (See note 2.)

NOTE(S):
1. The UCR 2013 Change 2, Section 13 does not identify individual interface requirements for security devices. The SUT must minimally provide Ethernet interfaces that meet the requirements in Section 2.7.1.
2. The SUT does not offer this (optional or conditional) interface.

(Table continues next page.)

Table 2. Interface Status (continued)

LEGEND:			
802.3ab	1000BaseT Gbps Ethernet over twisted pair	C	Conditional
802.3ae	10 Gbps Ethernet	CSMA	Carrier Sense Multiple Access
802.3an	10GBaseT Ethernet over unshielded twisted	EIA	Electronic Industries Association
802.3ba	40/100 Gbps Ethernet	GBaseT	Gigabit (Baseband Operation, Twisted Pair) Ethernet
802.3bm	40/100 Gbps Ethernet for optical fiber	Gbps	Gigabits per second
802.3bz	2.5/5GBaseT over twisted pair	IAW	In accordance with
802.3i	10BaseT Mbps over twisted pair	IEEE	Institute of Electrical and Electronics Engineers
802.3j	10BaseF over Fiber-Optic	Mbps	Megabits per second
802.3u	Standard for CSMA with collision detection at 100 Mbps	NAC	Network Access Control
802.3z	1000BaseX Fiber	O	Optional
BaseF	Megabit Ethernet over Fiber	R	Required
BaseT	Megabit Ethernet (Baseband Operation, Twisted Pair)	SUT	System Under Test
BaseX	Gigabit Ethernet over fiber	TIA	Telecommunications Industry Alliance

Table 3. Capability Requirements and Functional Requirements Status

CR/FR ID	UCR Requirement (See note 1.)	UCR 2013 Change 2 Reference	Status
1	Cybersecurity (R)	See note 2.	Met
2	IPv6 (R)	5.2	Met
3	Security Device Requirements (R)	13.2	Partially Met for NAC (See notes 3 through 7.)

NOTE(S):

1. The annotation of "required" refers to a high-level requirement category. Reference (c) addresses the applicability of each sub-requirement.

2. A JITC-led CS test team conducted CS testing and published the results in a separate report, Reference (d).

3. Section 13.2.1 is applicable to only VPN.

4. Section 13.2.4.1 is applicable to only FW/VPN.

5. Section 13.2.4.2 is applicable to only IPS.

6. Section 13.2.4.3 is applicable to only ISS.

7. The SUT met the NAC requirements defined in Section 13.2.4.5 with the exception noted in Table 1. DISA adjudicated the exception as minor.

LEGEND:			
CR	Capability Requirements	ISS	Integrated Security System
CS	Cybersecurity	JITC	Joint Interoperability Test Command
DISA	Defense Information Systems Agency	NAC	Network Access Control
DoDIN	Department of Defense Information Network	R	Required
FR	Functional Requirements	RFC	Request for Comment
FW	Firewall	SUT	System Under Test
ID	Identification	UCR	Unified Capabilities Requirements
IPS	Intrusion Prevention System	VPN	Virtual Private Network
IPv6	Internet Protocol version 6		

Table 4. DoDIN APL Product Summary

Product Identification				
Product Name	Aruba, a Hewlett Packard Enterprise company, ClearPass Policy Manager			
Software Release	6.11			
UCR Product Type(s)	NAC			
Product Description	The SUT provides context-based RADIUS/RadSec and TACACS+ protocol standards-based support. Device profiling can be done using active or passive profiling to increase device level context in conjunction with the open API structure that supports integration with hundreds of third-party, security solutions to perform ongoing security changes to protect customer networks from threats as they occur without additional manual IT intervention (if configured).			
DoDIN Certified Function	**Component/Sub-Component Name** (See notes 1 and 2.)		**Tested Version**	**Remarks**
NAC	**N1000** N3000 N3001		6.11	See note 3.
NAC - Virtual (See note 4.)	**C1000v** C2000v C3000v			

NOTE(S):
1. Table 3-3 in Enclosure 3 provides the detailed descriptions on the tested components and sub-components.
2. Components bolded and underlined were tested by JITC. The other components in the family series were not tested; however, JITC certified the other components for joint used because they utilize the same software and similar hardware as tested and certified components and JITC analysis determined they were functionally identical for interoperability certification purposes.
3. With DTR 1, the retired C1000 appliance was replaced with the N1000 appliance and the retired C3010 appliance was replaced with the N3000 and N3001 appliances based on analysis (no testing). Only the hardware is being updated, the software versions remain the same.
4. Virtual Machine images were hosted by VMware ESXi 6.7.0 running on RedHat Linux 7.8 server.

LEGEND:
APL	Approved Products List	RadSec	Radius Security
DoDIN	Department of Defense Information Network	RADIUS	Remote Authentication Dial-In User Server
DTR	Desktop Review	SUT	System Under Test
ESXi	Elastic Sky X integrated	TACAS+	Terminal Access Controller Access Control System Plus
IT	Information Technology	UCR	Unified Capabilities Requirements
NAC	Network Access Control	VM	Virtual Machine
JITC	Joint Interoperability Test Command		

4.   Test Details. This extension of the certification is based on DTR 1. The original certification, documented in Reference (e), was based on interoperability (IO) testing, review of the Vendor's Letter of Compliance (LoC), Defense Information Systems Agency (DISA) adjudication of one open Test Discrepancy Report (TDR), and the DISA Certifying Authority Recommendation for inclusion on the DoDIN APL. JITC completed review of the Vendor's Letter of Compliance (LoC) on 31 May 2023 and conducted IO testing at the JITC test lab located at Fort Meade, Maryland, from 8 June through 14 June 2023, using test procedures derived from Reference (c). DISA adjudicated one TDR on 11 July 2023, as noted in Table 1. A JITC-led Cybersecurity (CS) test team conducted CS testing and published the results in a separate report, Reference (d). Enclosure 2 of Reference (e) documents the test results and describes the test network and system configurations. Enclosure 3 of Reference (e) provides a detailed list of the interface, capability, functional requirements, and test results.

DTR 1 was requested to replace the retired C1000 appliance with the N1000 appliance and the retired C3010 appliance with the N3000 and N3001 appliances. Only the hardware is being updated, the software versions remain the same.

JITC analysis determined no additional IO or CS testing was required because this update did not change the certified IO features and function or approved CS posture of the SUT. JITC analysis

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of the DTR 1 request was performed based on current UCR 2013 Change 2 IO test procedures derived from Reference (c).

Based on analysis and no change to the certified SUT IO features and function, JITC approves DTR 1.

In addition, the current CS posture of the SUT is documented in a separate report, Reference (d).

5.   Additional Information. JITC distributes interoperability information via the JITC Electronic Report Distribution system, which uses Sensitive but Unclassified Internet Protocol Data (formerly known as 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.jitc.disa.mil/. Test reports, lessons learned, and related testing documents and references are on the JITC Industry Toolkit (JIT) at https://jit.fhu.disa.mil/. Due to the sensitivity of the information, the CS Assessment Package which contains the approved configuration, and the deployment guide, must be requested directly from the Approved Products Certification Office (APCO) via e-mail: disa.meade.peo-transport.list.approved-products-certification-of@mail.mil. All associated information is available on the DISA APCO website located at https://aplits.disa.mil.

6.   Point of Contact (POC). JITC POC: Mr. Edward Mellon; commercial telephone (301) 225-5354, DSN (312) 375-5354; e-mail address: edward.a.mellon.civ@mail.mil; mailing address: Joint Interoperability Test Command, ATTN: JTE2 (Mr. Edward Mellon), 6910 Cooper Avenue, Fort Meade, Maryland 20755-7085. The APCO tracking number for the SUT is 2234001.

FOR THE COMMANDER:

Enclosure a/s   LAWRENCE T. DORN
                                                 Chief
                                                 Specialized Test Division

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ADDITIONAL REFERENCE

(c) Joint Interoperability Test Command (JITC), "Network Access Control (NAC) Test Procedures Version 1.0 for Unified Capabilities Requirements (UCR) 2013 Change 2," April 2022 (Draft)

(d) JITC, "Cybersecurity Assessment Report for Aruba, a Hewlett Packard Enterprise company, ClearPass Policy Manager, Software Release 6.11, Tracking Number (TN) 2234001," July 2024

(e) JITC Memo, JTE, "Joint Interoperability Certification of Aruba, a Hewlett Packard Enterprise company, ClearPass Policy Manager with Software Release 6.11," 1 August 2023

Enclosure