



DEFENSE INFORMATION SYSTEMS AGENCY

P. O. BOX 549
FORT MEADE, MARYLAND 20755-0549

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

16 Feb 2017

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1

- References: (a) Department of Defense (DoD) 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 (k), see Enclosure 1

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

2. Conditions of Certification. The A10 Networks Application Delivery Controller (ADC), AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS), all with Software Release ACOS 2.7.1, hereinafter referred to as the System Under Test (SUT), met the requirements of the Unified Capabilities Requirements (UCR), 2013 Reference (c), and is certified for joint use as an Information Assurance (IA) Tool (IAT). This certification expires upon changes that affect interoperability, but no later than the expiration date specified in the DoDIN Approved Products List (APL) memorandum.

The extension of this certification is for Desk Top Review (DTR) 2. DTR 2 was a request to extend the expiration date of the DoDIN APL memorandum for an additional three (3) years.

Table 1. Conditions

Table with 3 columns: Condition, Operational Impact, Remarks. It contains two rows of data, both stating that the SUT meets all critical joint interoperability requirements in accordance with the Unified Capabilities Requirements (UCR), Reference (b).

JITC Memo, JTD, Extension of the Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1

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 DoDIN APL product summary.

Table 2. Interface Status

Interface (See note 1.)	Threshold CR/FR Requirements (See note 2.)	Status	Remarks																
Security Devices																			
10Base-X	1-3	Met	None																
100Base-X	1-3	Met	None																
1000Base-X	1-3	Met	None																
10GBase-X	1-3	Met	None																
40GBase-X	1-3	Met	None																
100GBase-X	1-3	N/A	None																
<p>NOTE(S):</p> <p>1. UCR 2013, 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.</p> <p>2. The CR/FR requirements are contained in Table 3. The CR/FR numbers represent a roll-up of UCR 2013 requirements. Enclosure 3 provides a list of more detailed requirements for security devices.</p> <p>LEGEND:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Base-X</td> <td style="width: 30%;">Ethernet generic designation (Baseband)</td> <td style="width: 10%;">N/A</td> <td style="width: 10%;">Not Applicable</td> </tr> <tr> <td>CR</td> <td>Capability Requirements</td> <td>SUT</td> <td>System Under Test</td> </tr> <tr> <td>FR</td> <td>Functional Requirements</td> <td>UCR</td> <td>Unified Capabilities Requirements</td> </tr> <tr> <td>GBase-X</td> <td>Gigabit generic designation (Baseband)</td> <td></td> <td></td> </tr> </table>				Base-X	Ethernet generic designation (Baseband)	N/A	Not Applicable	CR	Capability Requirements	SUT	System Under Test	FR	Functional Requirements	UCR	Unified Capabilities Requirements	GBase-X	Gigabit generic designation (Baseband)		
Base-X	Ethernet generic designation (Baseband)	N/A	Not Applicable																
CR	Capability Requirements	SUT	System Under Test																
FR	Functional Requirements	UCR	Unified Capabilities Requirements																
GBase-X	Gigabit generic designation (Baseband)																		

Table 3. SUT Capability Requirements and Functional Requirements Status

CR/FR ID	UCR Requirement (High-Level) (See note 1.)	UCR 2013 Reference	Status																
1	Information Assurance	4	Met																
2	IPv6	5	Met																
3	Security Device Requirements	13.2	Met (See note 2)																
<p>NOTE(S):</p> <p>1. The annotation of 'required' refers to a high-level requirement category. The applicability of each sub-requirement is provided in Enclosure 3; Table 3-2 provides detailed CR/FR for security devices.</p> <p>2. Security testing is accomplished by USAISEC TIC-led Cybersecurity test teams and the results published in a separate report, Reference (d).</p> <p>LEGEND:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">CR</td> <td style="width: 30%;">Capability Requirements</td> <td style="width: 10%;">POA&M</td> <td style="width: 30%;">Plan Of Action and Milestones</td> </tr> <tr> <td>FR</td> <td>Functional Requirements</td> <td>TIC</td> <td>Technology Integration Center</td> </tr> <tr> <td>ID</td> <td>Identification</td> <td>UCR</td> <td>Unified Capabilities Requirements</td> </tr> <tr> <td>IPv6</td> <td>Internet Protocol version 6</td> <td>USAISEC</td> <td>United States Army Information Systems Engineering Command</td> </tr> </table>				CR	Capability Requirements	POA&M	Plan Of Action and Milestones	FR	Functional Requirements	TIC	Technology Integration Center	ID	Identification	UCR	Unified Capabilities Requirements	IPv6	Internet Protocol version 6	USAISEC	United States Army Information Systems Engineering Command
CR	Capability Requirements	POA&M	Plan Of Action and Milestones																
FR	Functional Requirements	TIC	Technology Integration Center																
ID	Identification	UCR	Unified Capabilities Requirements																
IPv6	Internet Protocol version 6	USAISEC	United States Army Information Systems Engineering Command																

JITC Memo, JTD, Extension of the Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1

Table 4. DoDIN APL Product Summary

Product Identification			
Product Name	A10 Networks AX 2000 Series, AX 3000 Series, AX 5000 Series ADC, Thunder 1030, 3030, 5430 and 6430 Series.		
Software Release	ACOS 2.7.1		
UC Product Type(s)	IA Tools (IAT)		
Product Description	The A10 AX Series ADCs provide load balancing of application traffic to allow users full control of their web server traffic and any application environment with scalability and availability.		
Product Components	Component Name	Versions	Remarks
Application Delivery Controller	AX5630-FIPS-012 AX-5200-110-FIPS	ACOS 2.7.1	
Application Delivery Controller	AX3530-011-FIPS AX3400-0110FIPS AX3200-12-FIPS AX3030-010-FIPS AX3000-11-GCF-FIPS	ACOS 2.7.1	
Application Delivery Controller	AX 2500-010-FIPS	ACOS 2.7.1	
Application Delivery Controller	Thunder 1030 Thunder 3030 Thunder 5430 Thunder 6430	ACOS 2.7.1	
NOTES:			
1. The detailed component and subcomponent list is provided in Enclosure 3.			
2. Components bolded and underlined were tested by USAISEC-TIC. The other components in the family series were not tested but are also certified for joint use. JITC certifies those additional components because they utilize the same software and similar hardware and JITC analysis determined them to be functionally identical for interoperability certification purposes.			
LEGEND:			
ACOS	Advanced Core Operating Systems	JITC	Joint Interoperability Test Command
ADC	Application Delivery Controller	TIC	Technology Integration Center
FIPS	Federal Information Processing Standard	UC	Unified Capabilities
IA	Information Assurance	USAISEC	United States Army Information Systems Engineering Command

4. Test Details. The extension of this certification is for DTR 2. The original certification was based on interoperability (IO) testing, review of the vendor’s Letters of Compliance (LoC), and the Army CIO/G-6 Certifying Authority (CA) Recommendation for inclusion on the DoDIN APL. Testing was conducted at United States Army Information Systems Engineering Command, Technology Integration Center (USAISEC-TIC), Fort Huachuca, Arizona, from 03 June 2013 through 28 June 2013, and from 22 July 2013 through 24 July 2013 using test procedures derived from Reference (e). Review of the vendor’s LoC was completed on 16 June 2013. The Army CIO/G-6 CA provided a positive recommendation on 20 Sep 2013 based on Cybersecurity (CS) testing completed by USAISEC TIC-led CS test teams and the results are published in a separate report, Reference (d). Enclosure 2 of Reference (f) documents the test results and describes the tested network and system configurations. Enclosure 3 of Reference (f) provides a detailed list of the interface, capability, and functional requirements.

DTR 2 was a request to extend the expiration date of the DoDIN APL memorandum for an additional three (3) years. JITC review and analysis of the documentation for this SUT determined that there were no test discrepancies and no changes to the approved hardware,

JITC Memo, JTD, Extension of the Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1

software and cybersecurity posture for the SUT. Therefore, no further IO or CS testing was required and JITC approves this DTR.

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 Cybersecurity Assessment Package (CAP) containing the approved configuration and deployment guide must be requested directly through government civilian or uniformed military personnel from the Approved Products Certification Office (APCO), e-mail: disa.meade.ie.list.approved-products-certification-office@mail.mil. All associated data is available on the DISA APCO website located at <http://www.disa.mil/Services/Network-Services/UCCO>.

6. Point of Contact (POC). USAISEC TIC testing POC: Mr. Eric Sundius; commercial (520) 533-3766 or DSN 821-3766; e-mail address is eric.c.sundius.civ@mail.mil. JITC certification POC: Mr. Keith Watson; commercial telephone (301) 225-9460 or DSN 375-9460; e-mail address keith.d.watson2.civ@mail.mil; Joint Interoperability Test Command, ATTN: JTD1 (Mr. Keith Watson), 6901 Cooper Ave., Fort Meade, MD 20755. The APCO tracking number for the SUT is 1230001.

FOR THE COMMANDER:

Enclosure a/s

for RIC HARRISON
Chief
Networks / Communications & UC Division

JITC Memo, JTD, Extension of the Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500-010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS) and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1

Distribution (electronic mail):

DoD CIO

Joint Staff J-6, JCS

USD(AT&L)

ISG Secretariat, DISA, JTA

US Strategic Command, J665

US Navy, OPNAV N2/N6FP12

US Army, DA-OSA, CIO/G-6 ASA (ALT), SAIS-IOQ

US Air Force, A3CNN/A6CNN

US Marine Corps, MARCORSYSCOM, SIAT, A&CE Division

US Coast Guard, CG-64

DISA/TEMC

DIA, Office of the Acquisition Executive

NSG Interoperability Assessment Team

DOT&E, Netcentric Systems and Naval Warfare

Medical Health Systems, JMIS IV&V

USAISEC-MED, ELIE-ISE-ME

APCO

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, "TN1230001 A10 Series IA Report Final 1 Apr 2014"
- (e) Joint Interoperability Test Command, "Security Device Test Plan"
- (f) Joint Interoperability Test Command, "Joint Interoperability Certification of the A10 Networks AX 2000 Series (AX2500- 010-FIPS), AX 3000 Series (AX3000-11-GCF-FIPS), and AX 5000 Series (AX5200-110-FIPS) Application Delivery Controller (ADC), all with Software Release Advanced Core Operating System (ACOS) 2.7.1," 8 November 2013