IN REPLY
REFER TO: Joint Interoperability Test Command (JTD)   **5 May 14**

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

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 no later than 3 years from the date of this memorandum.

JITC extends the certification for Desk Top Review (DTR) 1. The United States Army Information Systems Engineering Command (USAISEC) Technology Integration Center (TIC), a DoD Component Test Lab and Army IA CA conducted IA testing from 03 June 2013 through 14 June 2013. The Defense Information Systems Agency, CA Field Security Operations provided a positive recommendation on 20 September 2013, based on the security testing completed by USAISEC-TIC-led IA test team. Those test results are published in a separate report in Reference (e). DTR 1 was requested to add the Thunder 1030, 3030, 5430 and 6430 Series to the current certification, based on similarity. No further interoperability testing is required. The Thunder 1030, 3030, 5430 and 6430 Series have the same processor and code and use the same approved software version used in the AX series. The primary difference is that the Thunder series has more memory for higher performance. DTR 1 has no impact on the approved IA posture, no additional IA testing was required.

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Table 1. Conditions

Condition	Operational Impact	Remarks
UCR Waivers		
None		
Conditions of Fielding		
None		
Open Test Discrepancies		
None		
NOTE(S): None **LEGEND:** None		

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 (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

NOTES:
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.
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.

LEGEND:
Base-X	Ethernet generic designation (Baseband)	GBase-X	Gigabit generic designation (Baseband)
		N/A	Not Applicable
CR	Capability Requirements	SUT	System Under Test
FR	Functional Requirements	UCR	Unified Capabilities Requirements

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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)

NOTES:
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.
2. Security testing is accomplished by USAISEC TIC-led Information Assurance test teams and the results published in a separate report, Reference (e).
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LEGEND:
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

Table 4. UC 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	release ACOS 2.7.1	
Application Delivery Controller	AX3530-011-FIPS AX3400-0110FIPS AX3200-12-FIPS AX3030-010-FIPS AX3000-11-GCF-FIPS	release ACOS 2.7.1	
Application Delivery Controller	AX 2500-010-FIPS	release ACOS 2.7.1	
Application Delivery Controller	Thunder 1030 Thunder 3030 Thunder 5430 Thunder 6430	release 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

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4. **Test Details.** DTR 1 was requested to extend 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 to include the A10 Thunder 1030, 3030, 5430, and 6430 Series. The Thunder 1030, 3030, 5430 and 6430 Series have the same processor and code and use the same approved software version used in the AX series. The primary difference is that the Thunder Series has more memory for higher performance. DTR 1 has no impact on the approved and certified IO results, no further IO testing was performed for this DTR 1.

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/ucco/.

6. **Point of Contact (POC).** The USAISEC-TIC's testing point of contact is Mr. Eric Sundius, USAISEC-TIC; commercial (520) 533-3766 or DSN 821-3766; e-mail address is eric.c.sundius.civ@mail.mil. The JITC certification point of contact is Ms. Jaime Downing, commercial telephone (301) 743-4306; e-mail address: jaime.f.downing.civ@mail.mil; mailing address Joint Interoperability Test Command, ATTN: JTD (Ms. Jaime Downing) 3341 Strauss Ave., Suite 236, Indian Head, MD 20646-5149. The UCCO tracking number for the SUT is 1230001.

FOR THE COMMANDER:

Adam K. Britt

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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, "Security Device Test Plan"
(e) Joint Interoperability Test Command, "TN1230001 A10 Series IA Report Final 1 Apr 2014"