



DEFENSE INFORMATION SYSTEMS AGENCY

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

16 August 2023

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Joint Interoperability Certification of the OpenText RightFax Enterprise Server with Software Release 21.2.1.1506

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 (UCR 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 the Department of Defense Information Network (DoDIN) products, Reference (b).

2. Conditions of Certification. The OpenText RightFax Enterprise Server with Software Release 21.2.1.1506, hereinafter referred to as the System Under Test (SUT), meets the critical requirements of the Unified Capabilities Requirements, Reference (b), as a Customer Premises Equipment (CPE) Facsimile (Fax) and is certified for joint use with no conditions, as noted in Table 1. The SUT was successfully tested in a virtual environment using Virtual Machine Software (VMWare) and is certified with the Avaya Communication Server (CS) 2100 Multifunction Switch, Avaya Aura Application Server (AS) 5300 Local Session Controller, Avaya Aura Enterprise Session Controller, Avaya G450 Media Gateway (MG), M800 Audio Codes MG, and M3000 (M3K) MG via Assured Services Local Area Network certified components. Table 2 specifies the certified SUT interfaces.

This certification expires upon changes that 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) 2. DTR 2 was requested to update the SUT Software Release version from 16.6 Service Release (SR) 3 to 21.2.1.1506, update the Server Operating System (OS) to Microsoft (MS) Windows Server 2019 and the MS Structured Query Language (SQL) Server to MS SQL 2019, extend the DoDIN APL expiration date for an additional three (3) years, and provide a current Federal Information Processing Standard (FIPS) 140-2 Cryptographic Module Validation Program (CMVP) certificate number.

See Paragraph 4 for the test details.

Table 1. Conditions

Description	Operational Impact	Remarks
None; the OpenText RightFax Enterprise Server with Software Release 21.2.1.1506 meets all critical joint interoperability requirements in accordance with the Unified Capabilities Requirements, Reference (b).		

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 all subsequent DTR updates.

Table 2. SUT Interface Status

Interface (See note 1.)	Applicability	Status	Remarks																																								
Legacy TDM Interfaces																																											
2-Wire Analog Interface	C	Met	FXO																																								
ISDN BRI	C	Not Tested	See note 2.																																								
T1 ISDN PRI	C	Met																																									
E1 ISDN PRI	C	Met																																									
IP Interfaces																																											
IEEE 802.3i (10BaseT UTP)	C																																										
IEEE 802.3u (100BaseT UTP)	C																																										
IEEE 802.3ab (1000BaseT UTP)	C																																										
Network Management Interfaces																																											
ITU-T Recommendation V.35	C	Not Tested	See note 2.																																								
EIA-232-F	C	Not Tested	See note 2.																																								
EIA-449-1	C	Not Tested	See note 2.																																								
EIA-530-A	C	Not Tested	See note 2.																																								
IEEE 802.3-2002	C	Met																																									
IEEE 802.3i (10BaseT UTP)	C	Met																																									
IEEE 802.3u (100BaseT UTP)	C	Met																																									
IEEE 802.3ab (1000BaseT UTP)	C	Met																																									
NOTE(S): 1. The UCR does not specify a minimum required interface for a CPE Fax; therefore, any one of the listed interfaces can be supported. Table 3 depicts the SUT high-level requirements. Enclosure 3 of Reference (c) provides a detailed list of requirements. 2. The SUT does not support this conditional interface.																																											
LEGEND: <table> <tr> <td>BaseT</td><td>Megabit Ethernet</td><td>ISDN</td><td>Integrated Services Digital Network</td></tr> <tr> <td>BRI</td><td>Basic Rate Interface</td><td>ITU-T</td><td>International Telecommunication Union -</td></tr> <tr> <td>C</td><td>Conditional</td><td></td><td>Telecommunication Standardization Sector</td></tr> <tr> <td>CPE</td><td>Customer Premises Equipment</td><td>PRI</td><td>Primary Rate Interface</td></tr> <tr> <td>E1</td><td>European Basic Multiplex Rate</td><td>SUT</td><td>System Under Test</td></tr> <tr> <td>EIA</td><td>Electronic Industries Alliance</td><td>T1</td><td>Digital Transmission Link Level 1</td></tr> <tr> <td>Fax</td><td>Facsimile</td><td>TDM</td><td>Time Division Multiplexing</td></tr> <tr> <td>FXO</td><td>Foreign Exchange Office</td><td>UCR</td><td>Unified Capabilities Requirements</td></tr> <tr> <td>IEEE</td><td>Institute of Electrical and Electronics Engineers</td><td>UTP</td><td>Unshielded Twisted Pair</td></tr> <tr> <td>IP</td><td>Internet Protocol</td><td>V</td><td>Version</td></tr> </table>				BaseT	Megabit Ethernet	ISDN	Integrated Services Digital Network	BRI	Basic Rate Interface	ITU-T	International Telecommunication Union -	C	Conditional		Telecommunication Standardization Sector	CPE	Customer Premises Equipment	PRI	Primary Rate Interface	E1	European Basic Multiplex Rate	SUT	System Under Test	EIA	Electronic Industries Alliance	T1	Digital Transmission Link Level 1	Fax	Facsimile	TDM	Time Division Multiplexing	FXO	Foreign Exchange Office	UCR	Unified Capabilities Requirements	IEEE	Institute of Electrical and Electronics Engineers	UTP	Unshielded Twisted Pair	IP	Internet Protocol	V	Version
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Table 3. SUT Capability Requirements and Functional Requirements Status

CR/FR ID	UCR Requirement (See note 1.)	UCR 2013 Reference	Status																												
1	Requirements (R)	3.7.2	Met																												
2	Media Gateway FoIP Specific Requirements (C)	2.16.8.9	Met																												
3	MG Option To "Handle FoIP Calls as G.711 VoIP Calls" (Fax Pass-through Calls) (C)	2.16.8.9.1	Met																												
4	MG Option To "Handle FoIP Calls as T.38 FoIP Calls" (Fax Relay Calls) (C)	2.16.8.9.2	Met																												
5	DSCP Tagging Requirements (R)	5.2.14	Met																												
6	Internet Protocol version 6 (R)	Section 5, Table 5.2-1	Met																												
<p>NOTE(S): The annotation of 'required' refers to a high-level requirement category. Enclosure 3 of Reference (c) addresses the applicability of each sub-requirement.</p> <p>LEGEND:</p> <table> <tr> <td>C</td><td>Conditional</td><td>IP</td><td>Internet Protocol</td></tr> <tr> <td>CR</td><td>Capability Requirement</td><td>MG</td><td>Media Gateway</td></tr> <tr> <td>DSCP</td><td>Differentiated Services Code Point</td><td>R</td><td>Required</td></tr> <tr> <td>Fax</td><td>Facsimile</td><td>SUT</td><td>System Under Test</td></tr> <tr> <td>FoIP</td><td>Fax over Internet Protocol</td><td>UCR</td><td>Unified Capabilities Requirements</td></tr> <tr> <td>FR</td><td>Functional Requirement</td><td>VoIP</td><td>Voice over IP</td></tr> <tr> <td>ID</td><td>Identification</td><td></td><td></td></tr> </table>				C	Conditional	IP	Internet Protocol	CR	Capability Requirement	MG	Media Gateway	DSCP	Differentiated Services Code Point	R	Required	Fax	Facsimile	SUT	System Under Test	FoIP	Fax over Internet Protocol	UCR	Unified Capabilities Requirements	FR	Functional Requirement	VoIP	Voice over IP	ID	Identification		
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Table 4. DoDIN APL Product Summary

Product Identification			
Product Name	OpenText RightFax Enterprise Server		
Software Release	21.2.1.1506 (See note 1.)		
UCR Product Type(s)	CPE Facsimile (Fax)		
Product Description	The SUT is a fax server for sending, receiving, and managing faxes.		
Product Components	Component Name (See note 2.)	Version (See note 1.)	Remarks
OpenText RightFax Enterprise Server	ESXi Server Host (site-provided)	ESXi 7.0.0 Build 3	
		ActivClient 6.2.0.50	
		Axway Desktop Validator SE 4.11.2.753	
	Fax Server 1 (VM)	IIS 10.0.14393.0	
		MS Windows Server 2019 Standard	See note 3.
		RightFax FaxUtil 21.2.1.1506	
	Fax Server 2 (VM)	IIS 10.0.14393.0	
		MS Windows Server 2019 Standard	See note 3.
		RightFax FaxUtil 21.2.1.1506	
	AlwaysOn Cluster SQL Server (x2) (VM)	MS SQL 2019 Build 15.0.4261.1	See note 4.
		MS Windows Server 2019 Standard	See note 3.
	Remote DocTransport Server (Dialogic TR1034+P24H-T1-1NR and TR1034+P8-8L)	6.15.1 build 1	
		MS Windows Server 2019 Standard	See note 3.
	Client Workstation (site-provided)	RightFax FaxUtil 21.2.1.0	
		Windows 10	
ActivClient 6.2.0.50			
Axway Desktop Validator SE 4.11.2.753			

NOTE(S):

1. The SUT was initially certified with Software Release 16.6. Subsequent DTRs updated the Software Release version as follows: DTR 1 - from 16.6 to 16.6 SR3; DTR 2 - from 16.6 SR3 to 21.2.1.1506.

2. Table 3-3 in Enclosure 3 of Reference (c) provides the detailed descriptions on the initially tested components and sub-components.

3. With DTR 2, the MS Windows Server version was updated from 2016 Standard to 2019 Standard.

4. With DTR 2, MS SQL version was updated from 2017 Build 14.0.2027.2 to 2019 Build 15.0.4261.1.

(Table continues next page.)

Table 4. DoDIN APL Product Summary (continued)

LEGEND:			
APL	Approved Products List	MS	Microsoft
CPE	Customer Premises Equipment	SE	Succession Enterprise
DoDIN	Department of Defense Information Network	SQL	Structured Query Language
DTR	Desktop Review	SR	Service Release
ESXi	Elastic Sky eXchange integrated	SUT	System Under Test
Fax	Facsimile	UCR	Unified Capabilities Requirements
IIS	Internet Information Services	VM	Virtual Machine

4. Test Details. This extension of the certification is based on DTR 2. The original certification, documented in Reference (c), was based on interoperability (IO) testing, review of the Vendor's Letter of Compliance (LoC), Defense Information Systems Agency (DISA) adjudication of open Test Discrepancy Reports (TDRs), and the DISA Certifying Authority Recommendation for inclusion on the DoDIN APL. JITC conducted testing at the JITC Global Network Test Facility at Fort Huachuca, Arizona, from 04 through 08 November 2019, using test procedures derived from Reference (d), and completed review of the Vendor's LoC on 8 November 2019. A JITC-led Cybersecurity (CS) test team conducted CS testing and published the results in a separate report, Reference (e). Enclosure 2 of Reference (c) documents the test results and describes the test network and system configurations. Enclosure 3 of Reference (c) provides a detailed list of the interface, capability, and functional requirements.

DTR 2 was requested to update the SUT Software Release version from 16.6 SR 3 to 21.2.1.1506, update the Server OS to MS Windows Server 2019 and the MS SQL Server to MS SQL 2019, extend the DoDIN APL expiration date for an additional three (3) years, and provide a current FIPS 140-2 CMVP certificate number.

JITC analysis determined CS and IO testing were required to validate that the software updates did not change the certified IO features and functions or approved CS posture of the SUT.

JITC conducted multi-vendor IO testing with the updated software from 07 November through 10 November 2022, followed by Verification and Validation (V&V) testing from 30 November through 02 December 2022, using test procedures derived from Reference (d). Testing successfully demonstrated the SUT's ability to exchange fax transmissions via Avaya Aura 10.1 (Software Release 10.1) for Session Initiation Protocol and via Avaya CS2100, Software Release Succession Enterprise (SE)09.1, for Time Division Multiplexer or Legacy two-wire lines via Digital Transmission Link Level 1 (T1). Testing also demonstrated the SUT met current CPE Fax requirements with the updated software in accordance with Reference (b) with no IO test discrepancies.

Based on analysis and the IO test results, JITC approves DTR 2.

In addition, JITC conducted CS testing from 31 October through 04 November 2022, followed by V&V testing from 28 November through 02 December 2022, and published the results in a separate report, Reference (e).

5. Additional Information. JITC distributes interoperability information via the JITC Electronic Report Distribution 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.jitc.disa.mil/>. Test reports, lessons learned, and related testing documents and references are on the JITC Industry Toolkit at <https://jit.fhu.disa.mil/>. Due to the sensitivity of the information, the CS Assessment Package that contains the approved configuration and deployment guide must be requested directly from the Approved Products Certification Office (APCO), e-mail: disa.meade.ie.list.approved-products-certification-office@mail.mil. All associated information is available on the DISA APCO website located at <https://aplots.disa.mil/>.

6. Point of Contact (POC). JITC POC: Lorraine Gardner; commercial telephone (520) 538-5221; e-mail address: lorraine.gardner.civ@mail.mil; mailing address: Joint Interoperability Test Command, C/O Lorraine Gardner, 2001 Brainard Road, Fort Huachuca, AZ 85613. The APCO tracking number for the SUT is 1905805.

FOR THE COMMANDER:

Enclosure a/s

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Chief
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ADDITIONAL REFERENCES

- (c) Joint Interoperability Test Command (JITC), JTE Memo, "Joint Interoperability Certification of the OpenText RightFax Enterprise Server, Software Release 16.6," 11 December 2019
- (d) JITC, "Customer Premise Equipment (CPE) Facsimile (FAX) Test Procedures Version 1.0 for Unified Capabilities Requirements (UCR) 2013 Change 2," September 2019
- (e) JITC, "Cybersecurity Assessment Report for OpenText RightFax Enterprise Server, Software Release 21.2.1.1506, Tracking Number (TN) 1905805," November 2022