



DEFENSE INFORMATION SYSTEMS AGENCY

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

17 January 2019

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Joint Interoperability Certification of the LiteScape OnCast Directory, Software Release 4.5

- 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 1," June 2015
(c) through (e), see Enclosure

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

2. Conditions of Certification. The LiteScape OnCast Directory with Software Release 4.5, hereinafter referred to as the System Under Test (SUT), meets the critical requirements of the Unified Capabilities Requirements (UCR), Reference (b), and is certified for joint use on the DoDIN as an Enterprise Directory Services (EDS) Gateway with the conditions described in Table 1. The SUT was tested and certified for use specifically with the Cisco Unified Communications Manager 8.6.1 Enterprise Session Controller (ESC). 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) 3. DTR 3 was requested to update the SUT Software Release version from 4.4 MR28 to 4.5, update the Windows server from Windows 2008 to Windows 2016, and confirm the SUT's ability to support redundant access to Active Directory. See Table 4 for a list of components and Paragraph 4 for the test details.

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
<b>TDR#</b>	<b>Conditions of Fielding</b>		
	None.		
<b>TDR#</b>	<b>Open Test Discrepancies</b>		
001	Although the SUT supports the requirement to authenticate EDS clients before exchanging EDS queries, this functionality was not tested and is not covered under this certification. DTR 2 included a three-year extension of the SUTs IO certification, which updated the UCR version to UCR 2013 Change 1, Reference (b), which removed this discrepancy and closed this TDR.	None	CLOSED
<b>LEGEND:</b>			
DISA	Defense Information System Agency	SUT	System Under Test
EDS	Enterprise Directory Services	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 a DoDIN APL product summary, to include all subsequent DTR updates.

**Table 2. Interface Status**

Interface (Protocol)	Threshold CR/FR Requirements (See note 1.)	Status	Remarks																								
<b>Network Interfaces</b> (See note 2.)																											
Ethernet 10 Mbps (C)	1, 2, 3	Met																									
Ethernet 100 Mbps (C)	1, 2, 3	Met																									
Ethernet 1000 Mbps (C)	1, 2, 3	Met																									
<p><b>NOTE(S):</b></p> <p>1. The UCR does not identify interface CR/FR applicability. The SUT high-level CR and FR ID numbers depicted in the Threshold CRs/FRs column are cross-referenced with Table 3. The SUT does not stipulate a required interface.</p> <p>2. DTR 2 updated the UCR 2013 Errata 1, Reference (c) to the most current UCR 2013 Change 1, Reference (b). JITC analysis determined the UCR Guide 2013 Change 1 updates changed the Network Interfaces from “Required” to “Conditional” for UCR requirements against which the SUT was certified. These changes reduced the requirements for an EDS gateway and did not impact the SUT’s originally certified interoperability features and functions, Reference (c).</p> <p><b>LEGEND:</b></p> <table style="width: 100%; border: none;"> <tr> <td>APL</td> <td>Approved Products List</td> <td>FR</td> <td>Functional Requirement</td> </tr> <tr> <td>C</td> <td>Conditional</td> <td>ID</td> <td>Identification</td> </tr> <tr> <td>CR</td> <td>Capability Requirement</td> <td>JITC</td> <td>Joint Interoperability Test Command</td> </tr> <tr> <td>DoDIN</td> <td>Department of Defense Information Network</td> <td>Mbps</td> <td>Megabits per second</td> </tr> <tr> <td>DTR</td> <td>Desktop Review</td> <td>SUT</td> <td>System Under Test</td> </tr> <tr> <td>EDS</td> <td>Enterprise Directory Services</td> <td>UCR</td> <td>Unified Capabilities Requirements</td> </tr> </table>				APL	Approved Products List	FR	Functional Requirement	C	Conditional	ID	Identification	CR	Capability Requirement	JITC	Joint Interoperability Test Command	DoDIN	Department of Defense Information Network	Mbps	Megabits per second	DTR	Desktop Review	SUT	System Under Test	EDS	Enterprise Directory Services	UCR	Unified Capabilities Requirements
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**Table 3. EDS Gateway Capability Requirements and Functional Requirements Status**

CR/FR ID	UCR Requirement (High-Level) (See note 1.)	UCR 2013 Reference	Status
1	EDS Gateway General Requirements (R)	2.12.2.2.6.2	Met
2	EDS Gateway Scalability, Performance, and Interoperability Requirements (R)	2.12.2.2.6.3	Met
3	Cybersecurity Requirements (R)	4	Met (See note 2.)

**Table 3. EDS Gateway CRs and FRs Status (continued)**

<b>NOTE(S):</b>			
1. The annotation of 'required' refers to a high-level requirement category. The applicability of each sub-requirement is provided in Reference (c), Enclosure 3.			
2. JITC-led CS test teams conducted Cybersecurity testing and published the results in a separate report, Reference (e).			
<b>LEGEND:</b>			
C	Conditional	ID	Identification
CR	Capability Requirement	JITC	Joint Interoperability Test Command
CS	Cybersecurity	R	Required
EDS	Enterprise Services Directory	UCR	Unified Capabilities Requirements
FR	Functional Requirement		

**Table 4. DoDIN APL Product Summary**

<b>Product Identification</b>			
Product Name	LiteScape OnCast Directory		
Software Release	4.5 (See note 1.)		
UCR Product Type(s)	EDS Gateway		
Product Description	EDS Gateway		
<b>Product Components</b> (See note 2.)	<b>Component Name</b>	<b>Version</b>	<b>Remarks</b>
EDS Gateway	LiteScape OnCast Directory	4.5	See note 1.
<b>NOTE(S):</b>			
1. DTR 1 updated the SUT from Release 4.4MR27 to Release 4.4MR28. DTR 3 updated the SUT from Release 4.4MR28 to Release 4.5			
2. The initial detailed component and subcomponent list is provided in Reference (c), Enclosure 3.			
<b>LEGEND:</b>			
APL	Approved Products List	EDS	Enterprise Directory Services
DoDIN	Department of Defense Information Network	SUT	System Under Test
DTR	Desktop Review	UCR	Unified Capabilities Requirements

4. **Test Details.** This extension of the certification is based upon DTR 3. The original certification, documented in Reference (c), was based on interoperability (IO) testing, review of the vendor's Letters of Compliance (LoC), DISA adjudication of open test discrepancy reports (TDRs), and DISA CA recommendation for inclusion on the DoDIN APL. Testing was conducted at JITC, Fort Huachuca, Arizona, from 4 through 8 August 2014 using test procedures derived from Reference (d). Review of the vendor's LoC completed on 6 August 2014. DISA completed adjudication of outstanding TDRs on 19 August 2014. A JITC-led Cybersecurity (CS) testing test teams conducted CS testing and published the results in a separate report, Reference (e).

DTR 3 was requested to update the SUT Software Release version from 4.4 MR28 to 4.5, update the Windows server from Windows 2008 to Windows 2016, and confirm the SUT's ability to support redundant access to Active Directory. JITC analysis determined that IO and CS testing was required for the software update. JITC conducted Interoperability (IO) testing on 18 December 2018 with Cisco ESC 15 Release 11.5(1)SU5 IP end instruments 8841 version sip88xx.12-0-1SR1-1 and 9971 version SIP9971.9-4-2SR2-2, configured for directory services and with the SUT configured as an Enterprise Directory Services Gateway. The SUT successfully demonstrated directory services worked with the two Cisco phones with no issue and validated the SUT supported redundant access with dual Active Directories. A JITC-led CS

JITC Memo, JTE, Joint Interoperability Certification of the LiteScape OnCast Directory, Software Release 4.5

test team successfully conducted CS testing from 17 December through 19 December 2018, documented in a separate report, Reference (e). Therefore, based on IO compliance with no issues, JITC approves this DTR.

5. **Additional Information.** JITC distributes interoperability information via the JITC Electronic Report Distribution system, which uses Sensitive but Unclassified IP 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.fhu.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) via e-mail: [disa.meade.ie.list.approved-products-certification-office@mail.mil](mailto:disa.meade.ie.list.approved-products-certification-office@mail.mil). All associated information is available on the DISA APCO website located at <http://www.disa.mil/Network-Services/UCCO>.

6. **Point of Contact (POC).** JITC POC: Ms. Kathleen Kendall; commercial telephone (520) 538-0507, DSN telephone 879-0507, FAX DSN 879-4347; e-mail address: [kathleen.a.kendall2.civ@mail.mil](mailto:kathleen.a.kendall2.civ@mail.mil); mailing address: Joint Interoperability Test Command, ATTN: JTE (Kathleen Kendall), P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The APCO tracking number for the SUT is 1412803.

FOR THE COMMANDER:

Enclosure a/s

for RIC HARRISON  
Chief  
Networks/Communications &  
DoDIN Capabilities Division

JITC Memo, JTE, Joint Interoperability Certification of the LiteScape OnCast Directory,  
Software Release 4.5

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## **ADDITIONAL REFERENCES**

- (c) Joint Interoperability Test Command, JTE, “Joint Interoperability Certification of the LiteScape OnCast Directory 4.4 MR27,” 4 September 2014
- (d) Joint Interoperability Test Command, “Unified Capabilities (UC) Enterprise Directory Services (EDS) Gateway Test Procedures Version 1.0 for Unified Capabilities Requirements (UCR) 2013 Errata 2,” Draft
- (e) Joint Interoperability Test Command, “Information Assurance Assessment Report For LiteScape Technologies OnCast Directory Software Release 4.5 (Tracking Number 1412803),” December 2018