DEFENSE INFORMATION SYSTEMS AGENCY
P. O. BOX 4502
ARLINGTON, VIRGINIA 22204-4502

IN REPLY REFER TO: Joint Interoperability Test Command (JTE) **5 Oct 10**

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Special Interoperability Test Certification of the Microlog ServiceFirst™ Version 5.1.1

References: (a) DoD Directive 4630.05, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004
(b) CJCSI 6212.01E, "Interoperability and Supportability of Information Technology and National Security Systems," 15 December 2008
(c) through (e), see Enclosure 1

1. References (a) and (b) establish the Defense Information Systems Agency (DISA), Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.

2. The Microlog ServiceFirst™ with Version 5.1 is hereinafter referred to as the System Under Test (SUT). The SUT met the interface and functional requirements and is certified for joint use within the Defense Switched Network (DSN) as a Customer Premise Equipment Automatic Call Distributor (ACD). The SUT analog interface is certified for use with any switch on the Unified Capabilities (UC) Approved Product List (APL) that is certified with an analog interface. The SUT Digital Transmission Link Level 1 (T1) Primary Rate Interface (PRI) interface is certified specifically with switching systems listed in Table 1 that are listed on the UC APL. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT. The SUT met the interface and functional requirements for an ACD system as set forth in Reference (c) verified using test procedures in Reference (d). No other configurations, features, or functions, except those cited within this report, are certified by the JITC. This certification expires upon changes that affect interoperability, but no later than three years from the date of Defense Information Assurance (IA)/Security Accreditation Working Group (DSAWG) accreditation.

Table 1. SUT Certified Switching Systems for use with the T1 PRI interface

Switch Name (See note.)
Alcatel-Lucent 5ESS, CDX, 5ESS VCDX
Avaya S8700, S8710, S8720, S8500, S8400, S8300
Siemens EWSD

Table 1. SUT Certified Switching Systems for use with the T1 PRI interface (continued)

NOTE: The SUT analog interface is certified for use with any switch on the UC APL that is certified with an analog interface. The switches listed in this table are the only switches that are certified with the SUT for the T1 PRI interface. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT.

LEGEND:

5ESS	Class 5 Electronic Switching System	PRI	Primary Rate Interface
APL	Approved Products List	SUT	System Under Test
CDX	Compact Digital Exchange	T1	Digital Transmission Link Level 1 (1.544 Mbps)
EWSD	Elektronisches Wählsystem Digital	UC	Unified Capabilities
Mbps	Megabits per second	VCDX	Very Compact Digital Exchange

3. This certification is based on interoperability testing conducted by JITC, and review of the vendor's Letters of Compliance (LoC). Interoperability testing was conducted by the JITC at the Global Information Grid Network Test Facility, Fort Huachuca, Arizona, from 1 through 5 March 2010. Regression testing was conducted from 28 June through 2 July 2010. Review of the vendor's LoC was completed on 13 July 2010. DSAWG granted accreditation on 5 October 2010 based on the security testing completed by DISA-led IA test teams and published in a separate report, Reference (e). The Certification Testing Summary (Enclosure 2) documents the test results and describes the test configuration.

4. The functional requirements used to evaluate the interoperability of the SUT and the interoperability statuses are indicated in Table 2.

Table 2. SUT Functional Requirements and Interoperability Status

Interfaces	Critical	Certified	Functional Requirements	Status	UCR Paragraph
T1 PRI	No[1]	Yes (See note 2.)	ROUTINE precedence only in accordance with UCR 2008, Section 5.2.2.3 (R)	Met	5.2.3.2
			DISR compliance as applicable (R)	Met	5.2.3.2
			PCM-24 in accordance with UCR 2008, Section 5.2.6.1 (C)	Met	5.2.3.2.5
2-Wire Analog (GR-506-CORE)	No[1]	Yes	ROUTINE precedence only in accordance with UCR 2008, Section 5.2.2.3 (R)	Met	5.2.3.2
			FCC Part 15/Part 68 and ACTA (R)	Met	5.2.3.2
			Auto answer ring interval (C)	Met	5.2.3.2
			DTMF outpulsing (C)	Met	5.2.3.2
			DISR compliance as applicable (R)	Met	5.2.3.2
			TIA/EIA-470-B (R)	Met	5.2.3.2.1
IEEE 802.3u	No[1]	Yes	in accordance with IEEE 802.3-2002 (C)	Met[3]	5.2.3.2
	Yes	Yes	Security (R)	See note 4.	Section 5.4

NOTES:

1 The Automatic Call Distributor requirements can be met via one of the following interfaces: 2-Wire Analog, 2- or 4-Wire Digital Proprietary, ISDN BRI, PCM-24, or PCM-30.

2 The SUT is certified with the T1 PRI interface specifically with the switches noted in Table 1. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT.

3 In accordance with the UCR 2008, Change 1, Table 5.3.3-1, the OA&M IP packets shall be tagged with a DSCP value of 16 to 23. Using the WireShark IP capture tool to capture DSCP tagging within the SUT enclave between the ServiceFirst IVR and the ServiceFirst Foundation, it was determined that the SUT tagged the OA&M packets at 0 which does not meet this requirement. However, this discrepancy was previously reviewed by DISA and was adjudicated as having a minor operational impact.

4 Security is tested by DISA-led Information Assurance test teams and published in a separate report, Reference (e).

Table 2. SUT Functional Requirements and Interoperability Status (continued)

LEGEND:

802.3u	Standard for carrier sense multiple access with collision detection at 100 Mbps	ISDN	Integrated Services Digital Network
ACTA	Administrative Council for Terminal Attachments	IVR	Interactive Voice Response
APL	Approved Products List	LSSGR	Local Access and Transport Area (LATA) Switching Systems Generic Requirements
BRI	Basic Rate Interface	Mbps	Megabits per second
C	Conditional	OA&M	Operational Administration and Maintenance
DISA	Defense Information Systems Agency	PCM-24	Pulse Code Modulation - 24 Channels
DISR	Department of Defense Information Technology Standards Registry	PCM-30	Pulse Code Modulation - 30 Channels
		PRI	Primary Rate Interface
DSCP	Differentiated Services Code Point	R	Required
DTMF	Dual Tone Multi-Frequency	SUT	System Under Test
EIA	Electronic Industries Alliance	T1	Digital Transmission Link Level 1 (1.544 Mbps)
FCC	Federal Communications Commission	TIA	Telecommunications Industry Association
GR	Generic Requirement	TIA/EIA-470-B	Performance and Compatibility Requirements for Telephone Sets with Loop Signaling
GR-506-CORE	LSSGR: Signaling for Analog Interfaces		
IEEE	Institute of Electrical and Electronics Engineers	UC	Unified Capabilities
IP	Internet Protocol	UCR	Unified Capabilities Requirements

5. No detailed test report was developed in accordance with the Program Manager's request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/gov users on the NIPRNet at https://stp.fhu.disa.mil. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at http://jit.fhu.disa.mil (NIPRNet), or http://199.208.204.125 (SIPRNet). Information related to DSN testing is on the Telecom Switched Services Interoperability (TSSI) website at http://jitc.fhu.disa.mil/tssi. 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: ucco@disa.mil.

6. The JITC point of contact is Mr. Khoa Hoang, DSN 538-4376, commercial (520) 538-0507, FAX DSN 879-4347, or e-mail to khoa.hoang@disa.mil. The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the SUT is 1006201.

FOR THE COMMANDER:

2 Enclosures a/s

for RICHARD A. MEADOR
Chief
Battlespace Communications Portfolio

Distribution (electronic mail):
Joint Staff J-6
Joint Interoperability Test Command, Liaison, TE3/JT1
Office of Chief of Naval Operations, CNO N6F2
Headquarters U.S. Air Force, Office of Warfighting Integration & CIO, AF/XCIN (A6N)
Department of the Army, Office of the Secretary of the Army, DA-OSA CIO/G-6 ASA (ALT), SAIS-IOQ
U.S. Marine Corps MARCORSYSCOM, SIAT, MJI Division I
DOT&E, Net-Centric Systems and Naval Warfare
U.S. Coast Guard, CG-64
Defense Intelligence Agency
National Security Agency, DT
Defense Information Systems Agency, TEMC
Office of Assistant Secretary of Defense (NII)/DOD CIO
U.S. Joint Forces Command, Net-Centric Integration, Communication, and Capabilities Division, J68
Defense Information Systems Agency, GS23

ADDITIONAL REFERENCES

(c) Office of the Assistant Secretary of Defense, "Department of Defense Unified Capabilities Requirements 2008 Change 1," 22 January 2010
(d) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP), Change 2," 2 October 2006
(e) Joint Interoperability Test Command, "Information Assurance (IA) Assessment of Microlog ServiceFirst (SF) Version (V) 5.1.1 (Tracking Number 1006201)," 5 October 2010

CERTIFICATION TESTING SUMMARY

1. SYSTEM TITLE. Microlog ServiceFirst™ with Release Version 5.1.1; hereinafter referred to as the System Under Test (SUT).

2. PROPONENT. United States Army Medical Department Activity (USAMEDDAC).

3. PROGRAM MANAGER. William Adams, USAMEDDAC, MCXW-IMD, Building 41000, Fox Army Health Center, Redstone Arsenal, Alabama, 35809-7000, e-mail: William.k.adams@us.army.mil.

4. TESTER. Joint Interoperability Test Command (JITC), Fort Huachuca, Arizona.

5. SYSTEM UNDER TEST DESCRIPTION. The SUT is an Interactive Voice Response (IVR) system, which provides information to callers through touch-tone telephones, self-service, speech recognition, and speech synthesis. Incoming calls can be answered on the first ring, presenting callers with a menu of options including self-service or the option to be directed to the agent most equipped to help them. Calls are prioritized by customer business rules, and can be dynamically adjusted as required. The SUT is composed of the following components:

The ServiceFirst (SF) Foundation is a Windows 2008 Server operating system with a Sybase database management system. The SF Foundation component provides application data services to its applications running on the SF-IVR components. The SF application, administrative and maintenance interface is provided by way of a web browser, which accesses the SF Foundation. When installed in live agent call center environments, the SF Foundation provides Automatic Call Distributor (ACD) services for customer-configurable call handling services. The SF Foundation component also provides a web browser-based application service which is configurable for the number of customer call center agents.

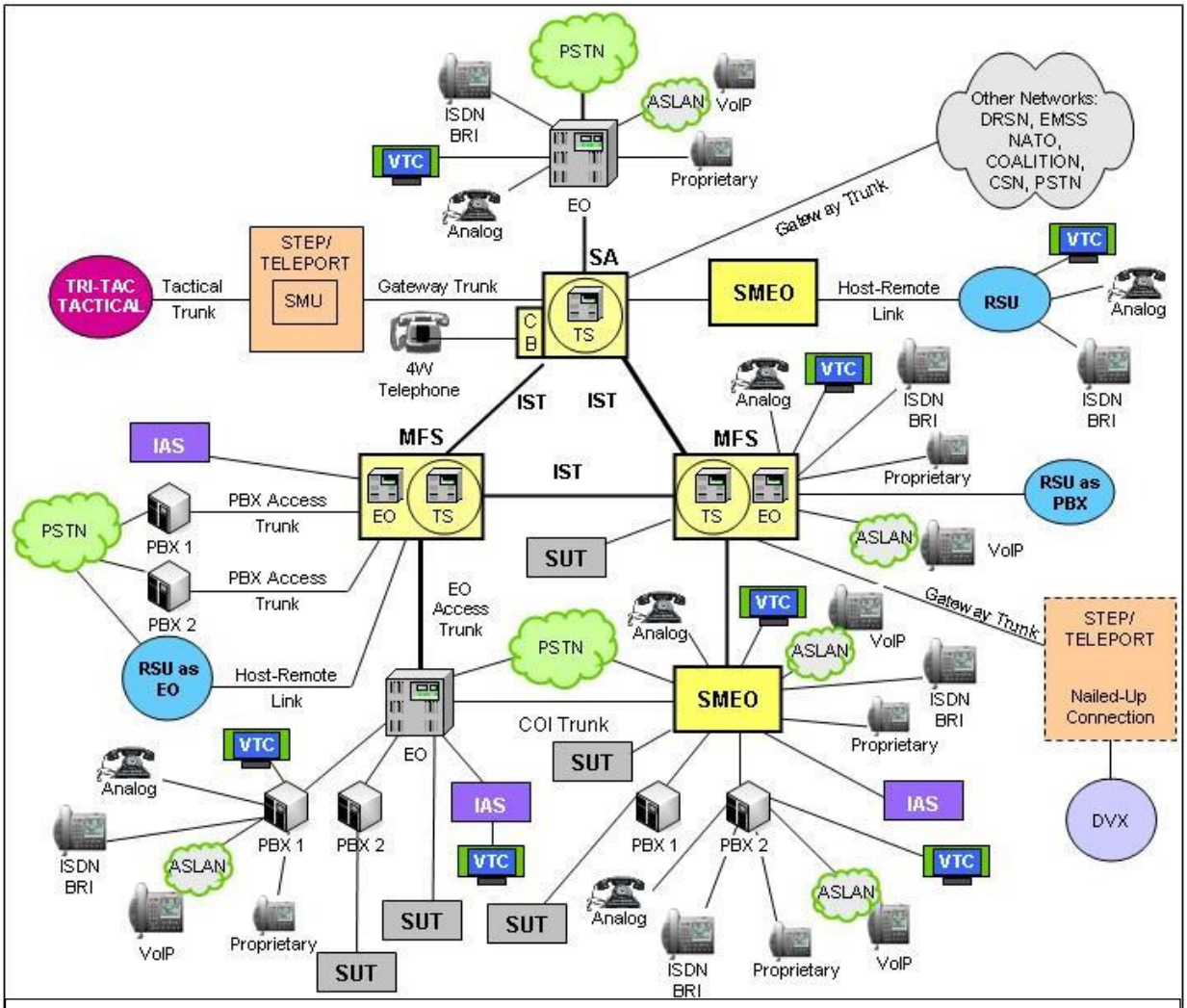
The SF-IVR is a Linux-based CentOS Server with Microlog IVR call control application to provide application-specific call handling services. The SF-IVR communicates by way of Secure Shell (SSH) to the network with the SF Foundation component to provide application-specific services to customer clients through analog or digital telecommunications facilities.

The Microlog ACD Agent software is loaded on site-provided workstations. Solution Management and Administration is provided by dedicated, direct terminal access.

The SUT is certified for use with any switch on the Unified Capabilities (UC) Approved Product List (APL) that is certified with an analog interface. The SUT is certified for use with a Digital Transmission Link Level 1 (T1) Primary Rate Interface (PRI) interface with the switches listed below. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT.

- Alcatel-Lucent Class 5 Electronic Switching System (5ESS), Compact Digital Exchange (CDX), and 5ESS Very Compact Digital Exchange (VCDX)
- Avaya S8700, S8710, S8720, S8500, S8400, and S8300
- Siemens EWSD

6. OPERATIONAL ARCHITECTURE. The Unified Capabilities Requirements (UCR) Defense Switched Network (DSN) architecture in Figure 2-1 depicts the relationship of the SUT to the DSN switches.



LEGEND:

4W	4-Wire
ASLAN	Assured Services Local Area Network
BRI	Basic Rate Interface
CB	Channel Bank
COI	Community of Interest
CSN	Canadian Switch Network
DRSN	Defense Red Switch Network
DSN	Defense Switched Network
DVX	Deployable Voice Exchange
EMSS	Enhanced Mobile Satellite System
EO	End Office
IAS	Integrated Access Switch
ISDN	Integrated Services Digital Network
IST	Interswitch Trunk
MFS	Multifunction Switch
NATO	North Atlantic Treaty Organization
PBX	Private Branch Exchange
PBX 1	Private Branch Exchange 1
PBX 2	Private Branch Exchange 2
PSTN	Public Switched Telephone Network
RSU	Remote Switching Unit
SA	Standalone
SMEO	Small End Office
SMU	Switched Multiplex Unit
STEP	Standardized Tactical Entry Point
SUT	System Under Test
Tri-Tac	Tri-Service Tactical Communications Program
TS	Tandem Switch
VoIP	Voice over Internet Protocol
VTC	Video Teleconferencing

Figure 2-1. DSN Architecture

7. REQUIRED SYSTEM INTERFACES. Requirements specific to the SUT and interoperability results are listed in Table 2-1. These requirements are derived from the

UCR Interface and Functional Requirements (FRs) and verified through JITC testing and review of the vendor's Letters of Compliance (LoC).

Table 2-1. SUT Functional Requirements and Interoperability Status

Interfaces	Critical	Certified	Functional Requirements	Status	UCR Paragraph
T1 PRI	No[1]	Yes (See note 2.)	ROUTINE precedence only in accordance with UCR 2008, Section 5.2.2.3 (R)	Met	5.2.3.2
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			Auto answer ring interval (C)	Met	5.2.3.2
			DTMF outpulsing (C)	Met	5.2.3.2
			DISR compliance as applicable (R)	Met	5.2.3.2
			TIA/EIA-470-B (R)	Met	5.2.3.2.1
IEEE 802.3u	No[1]	Yes	in accordance with IEEE 802.3-2002 (C)	Met[3]	5.2.3.2
	Yes	Yes	Security (R)	See note 4.	Section 5.4

NOTES:
1 The Automatic Call Distributor requirements can be met via one of the following interfaces: 2-Wire Analog, 2- or 4-Wire Digital Proprietary, ISDN BRI, PCM-24, or PCM-30.
2 The SUT is certified with the T1 PRI interface specifically with the switches noted in Table 1. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT.
3 In accordance with the UCR 2008, Change 1, Table 5.3.3-1, the OA&M IP packets shall be tagged with a DSCP value of 16 to 23. Using the WireShark IP capture tool to capture DSCP tagging within the SUT enclave between the ServiceFirst IVR and the ServiceFirst Foundation, it was determined that the SUT tagged the OA&M packets at 0 which does not meet this requirement. However, this discrepancy was previously reviewed by DISA and was adjudicated as having a minor operational impact.
4 Security is tested by DISA-led Information Assurance test teams and published in a separate report, Reference (e).

LEGEND:

802.3u	Standard for carrier sense multiple access with collision detection at 100 Mbps	ISDN	Integrated Services Digital Network
ACTA	Administrative Council for Terminal Attachments	IVR	Interactive Voice Response
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DISA	Defense Information Systems Agency	PCM-24	Pulse Code Modulation - 24 Channels
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		PRI	Primary Rate Interface
DSCP	Differentiated Services Code Point	R	Required
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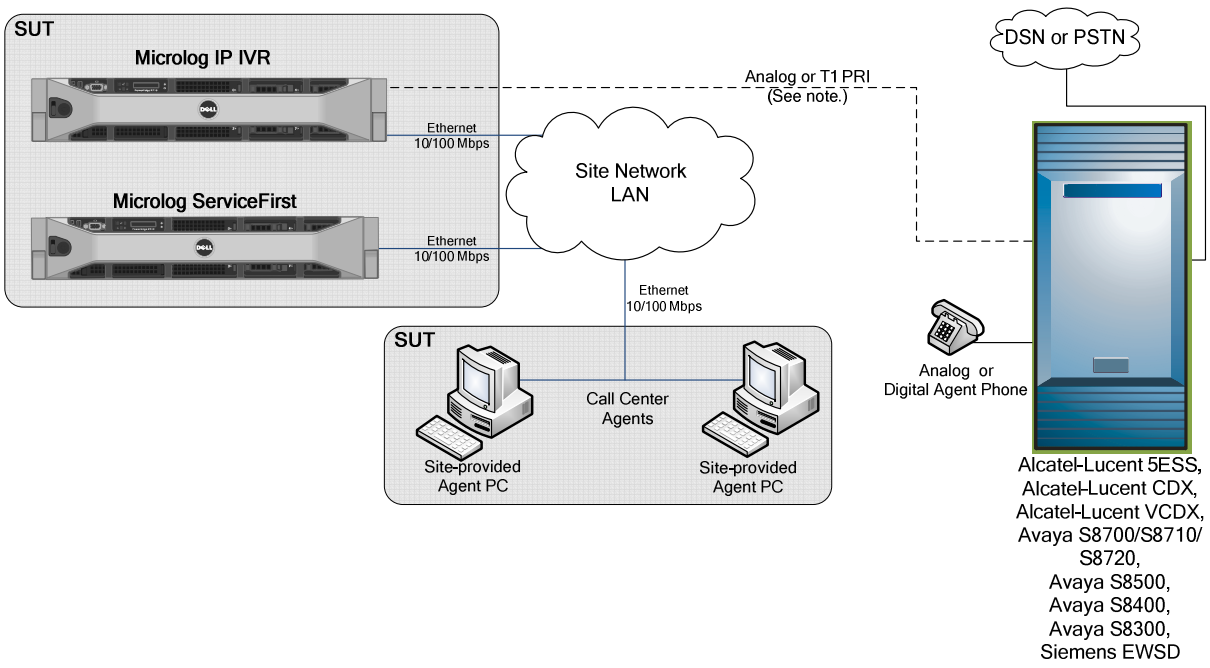
EIA	Electronic Industries Alliance	T1	Digital Transmission Link Level 1 (1.544 Mbps)
FCC	Federal Communications Commission	TIA	Telecommunications Industry Association
GR	Generic Requirement	TIA/EIA-470-B	Performance and Compatibility Requirements for Telephone Sets with Loop Signaling
GR-506-CORE	LSSGR: Signaling for Analog Interfaces		
IEEE	Institute of Electrical and Electronics Engineers	UC	Unified Capabilities
IP	Internet Protocol	UCR	Unified Capabilities Requirements

8. TEST NETWORK DESCRIPTION. The SUT was tested at JITC's Global Information Grid Network Test Facility in a manner and configuration similar to that of the DSN operational environment. Testing the system's required functions and features was conducted using the test configurations depicted in Figure 2-2.



NOTE: The SUT is certified for use with any switch on the Unified Capabilities (UC) Approved Product List (APL) that is certified with an analog interface. The SUT is certified for use with a T1 PRI interface with the specific switches listed in this document. These are the only switches on the UC APL that allow ROUTINE only calls to be routed to the SUT.

LEGEND:

5ESS	Class 5 Electronic Switching System	PC	Personal Computer
CDX	Compact Digital Exchange	PRI	Primary Rate Interface
DSN	Defense Switched Network	PSTN	Public Switched Telephone Network
EWSD	Elektronisches Wählsystem Digital	Mbps	Megabits per second
IP	Internet Protocol	SUT	System Under Test
IVR	Interactive Voice Response	T1	Digital Transmission Link Level 1 (1.544 Mbps)
LAN	Local Area Network	VCDX	Very Compact Digital Exchange

Figure 2-2. SUT Test Configuration

9. TESTED SYSTEM CONFIGURATION. Table 2-2 provides the system configurations, hardware, and software components tested with the SUT. The SUT was tested in an operationally realistic environment to determine interoperability with a complement of DSN switches noted in Table 2-2. Table 2-2 lists the DSN switches which depict the tested configuration and is not intended to identify the only switches that are certified with the SUT. The SUT is certified for use with any switch on the UC APL that is certified with an analog interface. The SUT is certified for use with a T1 PRI interface with the following switches: Alcatel-Lucent 5ESS, CDX, and 5ESS VCDX; Avaya S8700, S8710, S8720, S8500, S8400, and S8300; and Siemens EWSD.

Table 2-2. Tested System Configurations

System Name	Software Release
Alcatel-Lucent 5ESS	5E16.2 Broadcast Warning Message (BWM) 09-002
Avaya S8710	Communication Manager (CM) 4.0 (R014x.00.2.732.1: Super Patch 16538)
Avaya S8500	Communication Manager (CM) 4.0 (R014x.00.2.732.1: Super Patch 16538)
Avaya S8400	Communication Manager (CM) 4.0 (R014x.00.2.732.1: Super Patch 16538)
Siemens EWSD	Release 19d, Patch Set 46

SUT	Hardware		Software/Firmware
	Component	Sub-Component	
Microlog ServiceFirst Version 5.1.1	SF-IVR	Digium 4-port Analog Board/ TE401P W/VPMOCt123	Linux CentOS v5.4 Linux kernel 2.6.32.15-jitc04
			Mircrolog ServiceFirst IVR v5.1.1
			Asterisk v1.6.1
			Digium Driver 1.6.1
			FreePBX 2.5.2
	SF Foundation	N/A	Windows 2008 SP2
			Microlog ServiceFirst v5.1.1
			Sybase RDBMS v9.02.3508
			Attachmate Reflections v10.1
			Apache Tomcat 6.0.26
			IIS v7.0.6000.16386
	Management Workstation (Site-Provided)	N/A	ServiceFirst Agent Desktop v5.1.1
			Call Agent v5.1.1
			Window XP Pro

LEGEND:

5ESS	Class 5 Electronic Switching System	Pro	Professional
EWSD	Elektronisches Wählsystem Digital	RDBMS	Relational DataBase Management System
IIS	Internet Information Server	SF	ServiceFirst
IVR	Interactive Voice Response	SP	Service Pack
N/A	Not Applicable	SUT	System Under Test
OS	Operating System	v	version
PBX	Private Branch Exchange	XP	Experience

10. TEST LIMITATIONS. None.

11. TEST RESULTS

a. Discussion

(1) The UCR, paragraph 5.2.2.3, states that precedence calls above ROUTINE precedence destined to numbers that are configured for an ACD system shall divert to the global diversion default (e.g. attendant console, alternate directory number, night service) after a specified time of 15-45 seconds. The SUT meets this requirement for analog interfaces by configuring the SUT to ensure incoming calls above ROUTINE are allowed to ring longer than the diversion time, which forces them to divert to the global diversion default. This requirement was met on the T1 PRI interface only with the following switches on the UC APL: Alcatel-Lucent 5ESS, CDX, and 5ESS VCDX;

Avaya S8700, S8710, S8720, S8500, S8400, and S8300; and Siemens EWSD. These switches allow ROUTINE only calls to be routed to the SUT.

(2) The UCR, paragraph 5.2.3.2, states that all DSN CPE, as a minimum, must meet the requirements of Part 15 and Part 68 of the Federal Communications Commission (FCC) Rules and Regulations and the Administrative Council for Terminal Attachments (ACTA). The SUT met this requirement with the vendor's submission of an LoC.

(3) The UCR 2008, Change 1, Paragraph 5.2.3.2, states that device(s) that support auto-answer shall have an "Auto-Answer" mode settable and have the feature to set the auto-answer mode to a "time" more than the equivalency of four (4) ROUTINE precedence ring intervals in accordance with UCR 2008, Section 5.2.2.3 before "answer" supervision is provided. Handling of the precedence calls will be in accordance with Section 5.2.2.2.4.2. The SUT met this requirement with testing. The SUT has the ability to adjust the auto-answer between 15-45 seconds.

(4) The UCR 2008, Change 1, Paragraph 5.2.3.2, states that device(s) that can "out-dial" Dual Tone Multi-Frequency (DTMF) and/or Dial Pulse (DP) digits (automatic and/or manual) shall comply to the requirements as stated in UCR 2008, Sections 5.2.4.4.1 (DP) and 5.2.4.4.2 (DTMF), respectively, for its address digit generating capabilities and shall be capable of outpulsing DTMF digits specified in Telcordia Technologies GR-506-CORE. The requirement for DTMF was met by the SUT with testing and vendor's LoC. The SUT does not support DP.

(5) The UCR 2008, Change 1, Paragraph 5.2.3.2, states that CPE that use loop signaling shall conform to the requirements of TIA/EIA-470-B. The SUT met this requirement with testing and the vendor's LoC.

(6) The UCR 2008, Change 1, Paragraph 5.2.3.2.5, states that devices that support T1 interfaces must be in accordance with UCR 2008, Section 5.2.6.1, Pulse Code Modulation (PCM)-24 Digital Trunk Interface. The SUT met this requirement with testing and the vendor's LoC.

(7) The UCR 2008, Change 1, Paragraph 5.2.3.2.5, states that devices that support Ethernet interfaces must be in accordance with Institute of Electrical and Electronics Engineers (IEEE) 802.3. The SUT met this requirement with the vendor's LoC. The UCR 2008, Change 1, paragraph 5.3.3.3.2, states that devices that support Internet Protocol (IP) traffic other than best effort data must tag the respective traffic with a Differential Code Service Point (DSCP) tagging value of 16 to 23 as defined in UCR 2008, Change 1, Table 5.3.3-1. The SUT ingress and egress IP traffic has no voice media or voice signaling packets. Using the WireShark IP capture tool to capture DSCP tagging within the SUT enclave between the ServiceFirst IVR and the ServiceFirst Foundation, it was determined that the SUT tagged the Operational Administration and Maintenance (OA&M) packets at 0 which does not meet this

requirement. However, this discrepancy was previously reviewed by DISA and was adjudicated as having a minor operational impact.

(8) Security is tested and met by DISA-led Information Assurance test teams and is published in a separate report, Reference (f).

b. Test Summary. The SUT met the interface and functional requirements for a customer premise equipment ACD as set forth in Reference (c) and is certified for joint use within the DSN. The SUT is certified for use with any switch on the UC APL that is certified with an analog interface. The SUT is certified for use with a T1 PRI interface with the following switches: Alcatel-Lucent 5ESS, CDX, and 5ESS VCDX; Avaya S8700, S8710, S8720, S8500, S8400, and S8300; and Siemens EWSD.

12. TEST AND ANALYSIS REPORT. No detailed test report was developed in accordance with the Program Manager's request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/gov users on the NIPRNet at https://stp.fhu.disa.mil. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at http://jit.fhu.disa.mil (NIPRNet), or http://199.208.204.125 (SIPRNet). Information related to DSN testing is on the Telecom Switched Services Interoperability (TSSI) website at http://jitc.fhu.disa.mil/tssi. 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: ucco@disa.mil.