

Avaya Solution & Interoperability Test Lab

Application Notes for configuring Etrali Trading Solutions Open Trade with Avaya Communication Server 1000E R7.5 and Avaya Aura® Session Manager R6.1 - Issue 1.0

Abstract

These Application Notes describe the configuration steps necessary for provisioning Etrali Trading Solutions Open Trade to successfully interoperate with Avaya Communication Server 1000E R7.5 and Avaya Aura® Session Manager R6.1.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe a compliance-tested configuration of the interoperability of Open Trade from Etrali Trading Solutions to successfully interoperate with Avaya Communication Server 1000E R7.5 and Avaya Aura® Session Manager R6.1. Etrali Trading Solutions Open Trade is a trading communication platform combining voice, email, instant messaging and video, for communication in fast-moving markets. Open Trade integrates cloud strategy with the back-end localised in the network and makes managing distant sites and turrets easier via remote access and administration. Any Open Trade component can be managed as standard IT equipment.

2. General Test Approach and Test Results

Open Trade is integrated with the Avaya Communication Server 1000E R7.5 (CS1000E) using SIP trunks between Open Trade and Avaya Aura® Session Manager R6.1. Session Manager directs the call over SIP trunks to a specific IP address depending on the digits dialled using SIP signalling. Compliance testing involved making calls to and from extensions on the Open Trade SIP server.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

2.1. Interoperability Compliance Testing

During interoperability compliance testing the following types of call were made:

- Basic Inbound/Outbound Tests inbound calls to Open Trade.
- Call Hold Tests held calls to/from Open Trade.
- Call Transfer Tests transferred calls to/from Open Trade.
- Call Conference Tests conferenced calls to/from Open Trade.
- **Call Forward** Tests forwarded calls to/from Open Trade.
- **Call Information** Tests caller information (CLID).
- **Failover/Service** Tests the behaviour of Open Trade when there are certain failed conditions.

2.2. Test Results

All tests outlined in the Test Plan document passed successfully. Below are listed observations following the compliance test of this solution.

- 1. A system configuration change was required on the CS1000E SIP Gateway, the domain name was replaced with the IP address of the Session Manager and this was to facilitate Etrali Trading Solutions who did not support the setup using a domain name. Note this change is documented in **Section 6** of these Application Notes and it is a system wide change on the CS1000E SIP Gateway that is required specifically for this setup with Etrali Open Trade. This may affect other systems connecting to the CS1000E SIP Gateway
- 2. Open Trade is unable to propagate updates to the display name during a call. For example, where Avaya1 calls OT1 and OT1 transfers the call to Avaya2, both Avaya1 and Avaya2 show the connected party as OT1.
- 3. As Open Trade do not support SIP UPDATE, the CS1000E default configuration will not allow a blind transfer to be executed. With the installation of plugin 501 on the CS1000E, the blind transfer will be allowed and the call will be completed. The limitation of this plugin is that no ringback is provided to the originator of the call for the duration that the destination set is ringing. The use of plugin 501 does not restrict the use of the SIP UPDATE method of blind transfer to other parties that do happen to support the UPDATE method, but rather extend support to those parties that do not.
- 4. After the Open Trade handset is placed on hold and retrieved, the CLID is replaced by the trunk number.
- 5. When there is a conference created by the Open Trade set "Conference" is not shown on any of the phone sets.
- 6. Using Aura® Messaging as voicemail is currently not supported.

2.3. Support

For more information on Etrali Trading Solutions Open Trade and product support visit <u>http://www.etrali.com/</u> Telephone support for Open Trade is available at:

3. Reference Configuration

The configuration in **Figure 1** will be used to compliance test Open Trade with CS1000E using SIP signalling over SIP trunks to pass calls from the CS1000E to the Open Trade server. The calls are routed via Session Manager.



Figure 1: Connection of Etrali Trading Solutions Open Trade with Avaya Communication Server 1000E R7.5, Avaya Aura® Session Manager R6.1

4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment/Software	Release/Version
Avaya Communication Server 1000E on CPPM	R7.5 (See Appendix A for list of patches)
Avaya Aura® System Manager	System Manager 6.2.0 SP4 Build No 6.2.0.0.15669-6.2.12.408 Software Update Revision No: 6.2.16.1.1993
Avaya Aura® Session Manager	Session Manager R6.1 SP7 SM 6.1.7.0.617012
Avaya Aura Messaging	R6.1
Avaya 1140 UNIStim Deskphone	UNIStim V0625C8D
Avaya 1140 SIP Deskphone	SIP 04.03.12
Etrali Trading Solutions Open Trade Terminal	4.1.x
Etrali Trading Solutions Plug-in Unit	4.1.x

5. Configuration of Avaya Communication Server 1000E

The configuration operations illustrated in this section were performed using terminal access to the CS1000E using PuTTY. It is assumed a fully working CS1000E is in place with the necessary licensing. For all other provisioning information, such Administering Avaya CS1000E, refer to product documentation in **Section 11** of these Application Notes.

Note: The configuration of PSTN trunks and routes are outside the scope of these Application Notes.

Note: Not all prompts need an answer. The prompts outlined below are mandatory for a basic configuration. Accept the default responses for all other prompts by pressing the Return key.

Note: A full printout of the SIP D-Channel, Route and Trunk information used for the compliance testing is included in the **Appendix B** of these Application Notes.

5.1. Verify Licences

To ensure the CS1000E is licensed for SIP use LD 22 and type SLT at the REQ prompt. Check for SIP ACCESS PORTS (in bold below).

```
Prompt Response Description
 >
                             LD 22 Enter Overlay 22
 REQ
                          SLT
 System type is - Communication Server 1000E/CPPM Linux
 CPPM - Pentium M 1.4 GHz
 IPMGs Registered:
                                                                           1
 IPMGs Unregistered:
                                                                           0
 IPMGs Configured/unregistered: 0
TRADITIONAL TELEPHONES2000LEFT1992USED8DECT USERS2000LEFT2000USED0IP USERS4000LEFT3978USED22BASIC IP USERS2000LEFT1998USED2TEMPORARY IP USERS2000LEFT2000USED0DECT VISITOR USER2000LEFT2000USED0ACD AGENTS2000LEFT1995USED5MOBILE EXTENSIONS2000LEFT2000USED0TELEPHONY SERVICES2000LEFT2000USED0AVAYA SIP LINES2000LEFT1997USED3THIRD PARTY SIP LINES2000LEFT1998USED2

        PCA
        2000
        LEFT
        2000
        USED
        0

        ITG ISDN TRUNKS
        2000
        LEFT
        2000
        USED
        0

        H.323 ACCESS PORTS
        2000
        LEFT
        1990
        USED
        10

        AST
        2000
        LEFT
        1981
        USED
        19

 SIP CONVERGED DESKTOPS 2000 LEFT 2000 USED 0

        SIP CTI TR87
        2000
        LEFT
        1992
        USED

        SIP ACCESS PORTS
        2000
        LEFT
        1970
        USED

        BAN CON
        2000
        LEFT
        2000
        USED

                                                                                                                              8
                                                                                                                               30
                                                                                                           USED
                                                    2000 LEFT 2000
                                                                                                           USED
                                                                                                                                0
 RAN CON
                                                        2000 LEFT 2000
                                                                                                           USED
                                                                                                                                 0
 MUS CON
```

5.2. Configuring a SIP Connection on CS1000E

To configure the SIP connection there are a number of steps.

- Create a D-channel for the SIP trunk
- Create Route Data Block
- Add TIE Trunks

5.2.1. Create a D-Channel

Use the **CHG** command in **LD 17** to create a D-channel for the SIP connection. In the example below, D-Channel 66 (i.e. **DCH 66**) was created. At the **CTYP** prompt, enter **DCIP**. This signifies the SIP D-Channel.

LD 17

Prompt	Response	Description
>	LD 17	Enter Overlay 17
REQ	CHG	Change
TYPE	ADAN	Change the Action Device and Number
ADAN	NEW	Create New Action Device and Number
TYPE	DCH 1	Create new D-Channel 1
CTYP	DCIP	Card type is IP D-Channel
USR	ISDL	Integrated Services Digital Line
IFC	SL1	D-Channel interface type

5.2.2. Create Route Data Block

Use the **NEW** command in **LD 16** to create a Route Data Block. The route created is a **TIE** route in order to Connect to Open Trade. Ensure that the following are set:

- VTRK is set to YES.
- **PCID** is set to **SIP**.
- Node is set to the correct system number (note this will be set during the installation if the CS1000E).
- **ISDN** is set to **YES**
- **MODE** is set to **ISDL**
- IFC is set to SL1

LD 16

Prompt	Response	Description
>	LD 16	Enter Overlay 16
REQ	NEW	Create new
TYPE	RDB	Route Data block
CUST	0	Customer Number as defined in LD15
ROUT	22	Route Number
TKTP	TIE	Route Type
VTRK	YES	Virtual Route
PCID	SIP	Protocol ID for route
NODE	200	Node setup during the installation of the CS1000E
DTRK	NO	Digital Trunk Route
ISDN	YES	Integrated Services Digital Network
MODE	ISDL	mode of operation
IFC	SL1	Interface type
ACOD	8022	Access Code for trunk route

5.2.3. Adding TIE Trunks

Use the **NEW** command in **LD 14** to add (**IPTI**) **TIE** trunks to the new route created in **Section 5.2.2.** If adding multiple trunks for each route, use **NEW XX**, where XX is the number of trunks. In the example below **10** trunks were added.

LD	14

Prompt	Response	Description
>	LD 14	Enter Overlay 14
REQ	NEW 10	Create 10 New Trunks
TYPE	IPTI	IP TIE trunk
TN	100 0 3 0	Loop Shelf Card Unit
CUST	0	Customer Number as defined in LD15
RTMB	22 1	Route number and Member number

5.3. Configure a Coordinated Dialing Plan

In order to setup a Coordinated Dialing Plan (CDP) both a route list index and a CDP are added.

5.3.1. Create a Route List Index

Use the **NEW** command in **LD 86** to create a **RLI**. Enter the route (**ROUT**) that was created in **Section 5.2.2**. Ensure that **TYPE** is set to **RLI** and enter a new RLI number (usually keep this the same as the route number for convenience). In the example below both **RLI** and **ROUT** are set to **22**.

LD 86

Prompt	Response	Description
>LD 86	Enter Ov	verlay 86
REQ	NEW	Create New
CUST	0	Customer Number as defined in overlay 15
FEAT	RLB	Route list Block
TYPE	RLI	Route list Index
RLI	22	Route list Index number
ENTR	0	First entry for the RLI
ROUT	22	Enter the route number

5.3.2. Create CDP

Use the **NEW** command in **LD 87** to create a **CDP** entry for the Trio Enterprise. For each extension, a CDP entry needs to be created. In the example below, the **DSC** is **5100**, **FLEN** is **4** and the **RLI** is **22**. The RLI number used is the one created in **Section 5.3.1**.

I	D	87
_		<u> </u>

Prompt	Response	Description
>	LD 87	Enter Overlay 87
REQ	NEW	Create new
CUST	0	Customer Number as defined in overlay 15
FEAT	CDP	Coordinated dialing plan
TYPE	DSC	Distance Steering code
DSC	5100	Distant Steering code
FLEN	4	Flexible Length number of digits
RLI	22	Route list index Number

PG; Reviewed
SPOC 06/04/14

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6. Configure Avaya Communication Server 1000E SIP Gateway

Access to the CS1000E SIP Gateway is done through System Manager using a web browser by entering http://<FQDN >/SMGR, where <FQDN> is the fully qualified domain name of System Manager or http://<IP Address >/SMGR. Log in using appropriate credentials.

System Manager - Windows Internet Explorer provided by Avaya IT	
🕘 🔍 🔻 🙋 https://192.168.50.8/network-login/	Certificate Error
File Edit View Favorites Tools Help mis 🔊 Customize Links 🖻 Free Hotmail 🔊 Windows 💖 Windows Marketplace 🔊 Windows Media 🔊 To Be Reviewed 🔊 S	so
😵 🍘 System Manager	🟠 👻 📾 👻 🔂 Page - 🎯 To
Avaya Aura [®] System Manager 6.2	
Home / Log On	
Log On	
Recommended access to System Manager is via FQDN. Go to central login for Single Sign-On If IP address access is your only option, then note that authentication will fail in the following cases: • First time login with "admin" account	
Expired/Reset passwords Use the "Change Password" hyperlink on this page to change the password manually, and then login. Also note that single sign-on between servers in the same security domain is not supported when accessing via IP address.	Log On Cancel

Once logged in click on UCM Services as highlighted.

UCM Roles	Server objects	Manage system wide configurations
Manage UCM Roles, assign roles to	Inventory	Events
users	Manage, discover, and navigate to	Manage alarms, view and harvest logs
User Management	Meeting Exchange	Licenses
and provision users	Manage Meeting Exchange and Avava	view and configure licenses
	Aura Conferencing 6.0 elements	Track data replication podes repair
	Messaging	replication nodes
	Manage Avaya Aura Messaging,	Scheduler
	and Modular Messaging	Schedule, track, cancel, update and
	Presence	delete jobs
	Presence	Manage Security Certificates
	Routing	Templates
	Network Routing Policy	Manage Templates for Communication
	Session Manager	Manager, Messaging System and
	Session Manager Element Manager	B5800 Branch Gateway elements
	SIP AS 8.1	UCM Services
	51 45 6.1	navigation such as CS1000
		deployment, patching, ISSS and SNMP

The following screen appears showing the various **Elements**, select **EM_on_cs1kpg2** (note this name may appear different depending on the system).

avaya	Avaya Aura® System M	anager 6.2			
Network Elements CS 1000 Services Corporate Directory IPSec Numbering Groups Patches SNMP Profiles Secure FTP Token	Host Name: smgrmc62.devcon.avaya Software Version: 02.20_SMGR-SNAPSHOT(6163) User Name admin				
	Elements New elements are registered into the security framework, or may be added as simple hyperlinks. Click an element name to launch its mana the list by entering a search term. Search Reset				
User Services	Add Edit Delete				
External Authentication	Element Name	Element Type -	Release	Address	
Password Security Roles Policies Certificates Active Sessions	1 adminSched	scheduleroperation	6.2		
	2 onDemand	scheduleroperation	6.2		
	3 spmadmin	spmoperation	6.2		
	4 🔲 smgrmc62.devcon.avaya (prim	narv) Base OS	7.6	192.168.50.8	
	5 EM on cs1kpg2	CS1000	7.5	192.168.0.10	
	6 Cs1kpq2.devcon.avaya (memb	er) Linux Base	7.5	192.168.50.90	
	7 DPM Generic Account Manage Service	ment Subscriber Manager	2.0		

Navigate to **IP Network** \rightarrow **Nodes Servers and Media Cards** in the left window and select the Node associated with the CS1000E, in the example below this **Node ID** is **200**. Open this node by clicking on **200** highlighted below.

AVAYA	CS1000 Elemer	nt Manager				
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.0.10 Usernam System » IP Network » IP IP Telephony Nodes Click the Node ID to view or edit i	e: admin Telephony Nodes ts properties.				
- System + Alarms - Maintenance + Core Equipment - Peripheral Equipment - Peripheral Equipment - Nodes: Servers, Media Cards - Maintenance and Reports - Media Gateways - Zones - Host and Route Tables - Network Address Translation - QoS Thresholds - Personal Directories	Add [Import] Export	.) Delete s <u>Enabled Applications</u> SIP Line, LTPS, PD, Gate	ELAN IP	Node/TLAN IPv4	Node/TLAN IPv6	Print <u>Refresh</u> Status
	Show: Vodes Comp	(SIPGw, H323Gw) onent servers and cards	✓ IPv6 address	192, 106, 50, 99		<u>Synchronized</u>

Select Gateway (SIPGw) highlighted.

Αναγα	CS1000 Elen	nent Manage	r			
- UCM Network Services	Managing: 192.168.0.10 User System » IP Networ	r name: admin k » <u>IP Telephony Nodes</u>	» Node Details			
- Links - Virtual Terminals - System	Node Details (ID: 200	0 - SIP Line, LTF	PS, PD, Gateway (SIPG	Gw, H323Gw))		
+ Alarms - Maintenance + Core Equipment - Peripheral Equipment	Subnet mask:	255.255.255.0 *	Subnet Node IPv6 ad	t mask: 255.255.255.0 Idress:	Ìż	<u>^</u>
IP Network Nodes: Servers. Media Cards Maintenance and Reports Media Gateways Zones Host and Route Tables Network Address Translation QoS Thresholds Personal Directories Unicode Name Directory	IP Telepho Voice Gateway (VGV Quality of Service (Q LAN SNTP Numbering Zones MCDN Aternative Rc	ony Node Properties V) and Codecs (0S) puting Treatment (MAL	SIP L Term Gate Pers Pres IP Me	Applications (click to edit ine inal Prov. Server (TPS) way (SIPGw & H323Gw) onal Directories (PD) ence Publisher edia Services	configuration)	
+ Interfaces - Engineered Values + Emergency Services	* Required Value.				Save	Cancel
+ Sonware	Associated Signaling	g Servers & Car	ds			
- Routes and Trunks - Routes and Trunks	Server(s) with (hostname-EL 192.168.0.10-192.168.50.90	LAN IP-TLAN IP) not p))	art of the CS1000 or CS1000-H	IS system where this Call !	Server belongs: (cs1	1kpg2-
– D-Channels – Digital Trunk Interface	Select to add 💌 Add	d Remove	Make Leader		E	Print Refresh
 Dialing and Numbering Plans Electronic Switched Network 	☐ Hostname ▲	Туре	Deployed Applications	ELAN IP	TLAN IPv4	Role
- Flexible Code Restriction	cs1kpg2	Signaling_Server	NONE	192.168.0.10	192.168.50.90	Leader
 Incoming Digit Translation Phones 	Show: 🔲 IPv6 address					

Enter the IP address of the Session Manager connecting to Open Trade. This is a system wide change on the CS1000E SIP Gateway that is required specifically for this setup with Etrali Open Trade and may affect other system connecting to the CS1000E SIP Gateway.

Αναγα	CS1000 Eleme	nt Manager		
UCM Network Services Home Links Virtual Terminals System Alarms Maintenance Core Equipment	Managing: 192.168.0.10 Usernam System » IP Network » IP Node ID: 200 - Virtual Tr General SIP Gateway Settings	e: admin <u>Telephony Nodes » Node Details</u> » Vi runk Gateway Configurat a <u>SIP Gateway Services</u> <u>H.323 (</u> /trk gateway application: [v] Enabl	irtual Trunk Gateway Configuration tion Details Sateway Settings le gateway service on this node	
Peripheral Equipment IP Natwork Nodes: Servers, Media Cards Maintenance and Reports Media Gateways Zones Host and Route Tables Network Address Translation QoS Thresholds Personal Directories Unicode Name Directory Interfaces Engineered Values Emergency Services Software Customers Routes and Trunks Routes and Trunks D-Channels	General Vtrk gateway application SIP domain name Local SIP port Gateway endpoint name Gateway password H.323 ID Application node ID	 SIPGw and H.323Gw 192.168.50.30 5060 * (1 - 65535) CS1KPG2 * CS1KPG2 * CS1KPG2 * 	Virtual Trunk Network Health Monitor Monitor IP addresses (listed below) Information will be captured for the IP addresses listed below. Monitor IP: Add Monitor addresses: Remove	
- Digital Trunk Interface - Dialing and Numbering Plans - Electronic Switched Network - Electronic Restriction	Enable failsafe NRS * Required Value.	Note: Changes made	e on this page will NOT be Save Cance	✓

Solution & Interoperability Test Lab Application Notes ©2014 Avaya Inc. All Rights Reserved. Scroll down to **Proxy Or Redirect Server: Proxy Server Route 1** and enter the IP Address of the Session Manager for the **Primary TLAN IP address**. Ensure the **Port** number is set to **5060** and the **Transport protocol** is set to **TCP**, everything else can be left as default.

Αναγα	CS1000 Element Manager	
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.0.10 Username: admin System » IP Network » IP Telephony Nodes » Node Details » Virtual Trunk Gateway Configuration Node ID: 200 - Virtual Trunk Gateway Configuration Details	
- System + Alarms - Maintenance + Core Equipment	General SIP Gateway Settings SIP Gateway Services H.323 Gateway Settings Port: 5060 (1 - 65535)	J
 Perpheral Equipment IP Network Nodes: Servers, Media Cards Maintenance and Reports Media Gateways Zones Host and Route Tables Network Address Translation QoS Thresholds Personal Directories Unicode Name Directory Interfaces Engineered Values 	Transport protocol: TCP V Proxy Or Redirect Server: Proxy Server Route 1: Primary TLAN IP address: 192.168.50.30 The IP address can have either IPv4 or IPv6 format based on the value of "TLAN eddress type" Port: 5060 (1 - 65535) Transport protocol: TCP V	
Emergency Services Software Customers Routes and Trunks Routes and Trunks D-Channels Digital Trunk Interface Dialing and Numbering Plans	Options: Support registration Primary CDS proxy Secondary TLAN IP address: 0.0.0.0 The IP address can have either IPv4 or IPv6 format based on the value of "TLAN address type"	•
 Electronic Switched Network Flexible Code Restriction 	* Required Value. Note: Changes made on this page will NOT be Save Cancel]

Ensure the same details are filled in for the **Proxy Server Route 2**. Click on **Save** at the bottom right of the screen.



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Αναγα	CS1000 Eleme	ent Manager			
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.0.10 Userna System » IP Network » Node Details (ID: 200 -	ime: admin <u>IP Telephony Nodes</u> » Node Details • SIP Line, LTPS, PD, Gateway (SIPGw,	H323Gw))		
- System + Alarms - Maintenance + Core Equipment - Peripheral Equipment - IP Network - Nordes: Servers Media Cards	Node ID: 20 Call server IP address: 19	00 * (0-9999) 92.168.0.10 * TLAN address typ	e: IPv4 only IPv4 and IPv6 		
- Maintenance and Reports - Media Gateways - Zones - Host and Route Tables - Network Address Translation - QoS Thresholds - Personal Directories	Embedded LAN (ELAN) Gateway IP address: 19 Subnet mask: 25	Telephony LAN (TLA 02.168.0.1 * Node IPv4 addres 55.255.255.0 * Subnet mas Node IPv6 addres	N) s: 192.168.50.99 k: 255.255.255.0	2	
- Unicode Name Directory + Interfaces - Engineered Values + Emergency Services + Software	* Required Value.	Servers & Cards		Save	Cancel
- Customers - Routes and Trunks - Routes and Trunks - D-Channels	Server(s) with (hostname-ELAN 192.168.0.10-192.168.50.90)	N IP-TLAN IP) not part of the CS1000 or CS1000-HS sy	stem where this Call S	Server belongs: (cs1)	kpg2- rint I Refresh
- Digital Trunk Interface - Dialing and Numbering Plans - Electronic Switched Network - Flexible Code Restriction - Insection	Hostname cs1kpg2	Type Deployed Applications Signaling_Server NONE	ELAN IP 192.168.0.10	TLAN IPv4 192.168.50.90	Role Leader

Select **Transfer Now** as shown below.

Αναγα	CS1000 Element Manager
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.40.101 Username: admin System » IP Network » I <u>P Telephony Nodes</u> » Node Saved Node Saved
 System Alarms Maintenance Core Equipment Peripheral Equipment IP Network Nodes: Servers, Media Cards Maintenance and Reports Media Gateways Zones Host and Route Tables Network Address Translation QoS Thresholds Personal Directories Unicode Name Directory Interfaces Engineered Values Software 	Node ID: 111 has been saved on the call server. The new configuration must also be transferred to associated servers and media cards. Transfer Now You will be given an option to select individual servers, or transfer to all. Show Nodes You may initiate a transfer manually at a later time.

The following screen is displayed requiring that synchronization is performed followed by a restart of the Applications. Ensure the **Hostname** is ticked and click on **Start Sync**.

Αναγα	CS1000 Elen	nent Manager		
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.40.101 Us System » P Networ Synchronize Config	sername: admin rk » <u>IP Telephony Nodes</u> » Synch uration Files (Node IE	ronize Configuration Files) <200>)	
- System + Alarms Maintenance	Note: Select components to components, and requires a	synchronize their configuratio a restart* of applications on aft	n files with call server data. fected server(s) when comp	This process transfers server INI files to selected lete.
+ Core Equipment - Peripheral Equipment	Start Sync Cance	Restart Applications		Print Refresh
- IP Network	Hostname	Туре	Applications	Synchronization Status
- <u>Nodes</u> : <u>Servers</u> , <u>Media Caros</u> - Maintenance and Reports - Media Gateways - Zones - Host and Route Tables - Network Address Translation	cs1kpg2	Signaling_Server	SIP Line, LTPS, Gateway (SIP/H323), PD, Presence Publisher, IP Media Services	Sync required
- QoS Thresholds - Personal Directories - Unicode Name Directory	* Application restart is only rec H323 Gateway settings, netwo servers.	quired for initial system configurat rk connectivity related parameter:	ion or if changes have been ma s like ports and IP address, enai	Ide to general LAN configurations, SNTP settings, SIP and bling or disabling services, or adding or removing application

The following screen shows the **Sync in progress**.

Αναγα	CS1000 E	ement Manager					
- UCM Network Services - Home - Links	Managing: 192.168.40.101 System » IP Ne Synchronize Con	anaging: 192.168.40.101 Username: admin System » IP Network » I <u>P Telephony Nodes</u> » Synchronize Configuration Files Synchronize Configuration Files (Node ID < 200>)					
- Virtual Terminals - System + Alarms - Maintenance	Synchronization in progr (You may also navigate aw	ress. Status will be updated au vay from this page and return to the	tomatically. e <u>IP Telephony Nodes</u> list to verify o	completion.)			
+ Core Equipment - Peripheral Equipment	Start Sync Ca	incel			Print Refresh		
 IP Network <u>Nodes: Servers, Media Cards</u> 	<u>Hostname</u>	Туре	Applications SIP Line, LTPS,	Synchronization Status			
- Maintenance and Reports - Media Gateways - Zones	cs1kpg2	Signaling_Server	Gateway (SIP/H323), PD, Presence Publisher IP Media	Sync in progress			
 Host and Route Tables Network Address Translation QoS Thresholds Personal Directories Unicode Name Directory 			Services				

Once the Sync is completed select the **Hostname** again and click on **Restart Applications**. This will complete the Signalling Server configuration for Session Manager routing.

AVAYA	CS1000 Elen	nent Manager			
- UCM Network Services - Home - Links - Virtual Terminals	Managing: 192.168.40.101 Us System » IP Networ Synchronize Config	sername: admin *k » <u>IP Telephony Nodes</u> » Sync uration Files (Node I	hronize Configuration Files D <200 >)		
- System + Alarms - Maintenance	Note: Select components to components, and requires a	synchronize their configurati a restart* of applications on a	on files with call server data. iffected server(s) when complete	This process transfers server INI fi lete.	les to selected
+ Core Equipment - Peripheral Equipment	Start Sync Cance	Restart Applications	ş		Print Refresh
 IP Network <u>Nodes: Servers, Media Cards</u> 	Hostname	Туре	Applications	Synchronization Status	
Maintenance and Reports Media Gateways Zones Host and Route Tables Network Address Translation	Cs1kpg2	Signaling_Server	Gateway (SIP/H323), PD, Presence Publisher, IP Media Services	Sync required	
 - QoS Thresholds - Personal Directories - Unicode Name Directory 	* Application restart is only rec H323 Gateway settings, netwo servers.	uired for initial system configura rk connectivity related paramete	ation or if changes have been ma rs like ports and IP address, enal	de to general LAN configurations, SNT bling or disabling services, or adding or	P settings, SIP and removing application

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7. Configure Avaya Aura® Session Manager

This section provides the procedures for configuring Session Manager. Session Manager is configured via System Manager. The procedures include the following areas:

- Log in to Avaya Aura® Session Manager
- Configure SIP Domain
- Configure Location
- Configure Adaptation
- Configure SIP Entities
- Configure Entity Links
- Configure Routing Policies
- Configure Dial Patterns

7.1. Log in to Avaya Aura® System Manager

Access the System Manager is done using a web browser by entering http://<FQDN >/SMGR, where <FQDN> is the fully qualified domain name of System Manager or http://<IP Adddress >/SMGR. Log in using appropriate credentials.

System Manager - Windows Internet Explorer provided by Avaya IT	
🕘 🗢 🔻 🝺 https://192.168.50.8/network-login/	💙 🥨 Certificate Error 🦘 🔀 Ask.com
File Edit View Favorites Tools Help nis 🔊 Customize Links 🔊 Free Hotmail 🔊 Windows 🐲 Windows Markatplace 🔊 Windows Media 🔊 To Be Reviewed 🔊 S	so
r 🚸 🖉 System Manager	🏠 * 🔂 - 👘 * 📴 Page - 🎯 Ti
Avaya Aura * System Manager 6.2 Home/Log On	
Recommended access to System Manager is via FQDN. Go to central login for Single Sign-On If IP address access is your only option, then note that authentication will fail in the following cases: A Signit How Ion Ion Parts	
Exploring of the advant account Expired/Reset passwords Use the "Change Password" hyperlink on this page to change the password manually, and then login. Also note that single sign-on between servers in the same security domain is not supported when accessing via IP address.	Log On Cancel Chance Passoor

Once logged ion click on **Routing** as highlighted.

r 6.2	Help About Change Password Log ol
	Services
I Gateway 00 Branch Gateway 6.2 Immunication Manager 5.2 Iements Ferencing Multimedia Its cover, and navigate to ydate elements software angc thing Ebchange and Avaya encing 6.0 elements iya Aura Messaging, ion Manager Messaging, Messaging	Backup and Restore Backup and restore System Manage database Bulk Import and Export of Manage Bulk Import and Export of Bulk Import and Export of Configurations Manage system wide configurations Events Manage alams,view and harvest log Licenses View and configure licenses Replication Track data replication nodes, repair replication nodes Schedule; track, cancel, update an delete jobs Security Manage Security Certificates
ou	atori Martager Messaging, ar Messaging outing Policy ager nanger Element Manager

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7.2. Configure SIP Domain

Click on **Domains** in the left window. If there is not a domain already configured click on **New** highlighted below

AVAYA	Avaya Aura®System Man	ager 6.2		Last Log Help About Cl	gged on at January 15, 2014 12:07 PM hange Password Log off admin
					Routing * Home
Routing	Home / Elements / Routing / Domains				
Domains					Help ?
Locations	Domain Management				
Adaptations					
SIP Entities	Edit New Dupicate Delete More Action	15			
Entity Links	2 Items Refresh				Filter: Enable
Time Ranges	Name	Туре	Default	Notes	
Routing Policies	devcon.avaya	sip			
Dial Patterns	devconnect.local	sip			
Regular Expressions	Select : All, None				
Defaults					

Enter the name of the telephony domain. The **Type** should be **sip**. Click on **Commit** once done.

AVAVA	Avaya Aura® System Manager	Last Logged on at March 18, 2014 2:43 PM Help About Change Password Log off admin		
				Routing × Home
Routing	Home / Elements / Routing / Domains			
Domains Locations Adaptations	Domain Management Warning: SIP Domain name change will cause login failure for Comi	munication Address	handles with this d	Help ? Commit Cancel
SIP Entities	credentials.			
Entity Links				
Time Ranges	1 Item Refresh			Filter: Enable
Routing Policies	Name	Туре	Default	Notes
Dial Patterns	devcon.avaya	sip 💌		
Regular Expressions				
Defaults	* Input Required			Commit) Cancel

7.3. Configure Location

Select **Locations** from the left window and select **New** from the main window.

۸\/۸\/۸	Avava Aura® System Manager 6.2	Last Logged on at January 15, 2014 12:07 PM Heln L About L Change Password L Log off admin
<i>FIVELYEL</i>		Routing * Home
Routing	Home / Elements / Routing / Locations	
Domains		Help ?
Locations	Location	
Adaptations		
SIP Entities	Edit New Dupicate Delete More Actions	
Entity Links	1 Item Refresh	Filter: Enable
Time Ranges	Name	Notes
Routing Policies	DevconLAB	
Dial Patterns	Select : All, None	
Regular Expressions		
Defaults		

Enter a suitable name for the location and scroll down to the bottom of the page and click on Add. Enter the IP addresses associated with the location in the case there are two ranges **192.168.50.x** and **172.29.187.x** and once completed click on **Commit**.

۸\/۸\/۸	Avava Aura® System Manager 6, 2		Last Logged on a	t January 15, 2014 12:07 Pl
<i>F(VF(YF</i>)			help (hobde) endinger (
				Routing * Home
Routing	Home / Elements / Routing / Locations			
Domains				Help ?
Locations	Location Details			Commit Cancel
Adaptations	Conoral			
SIP Entities	General			
Entity Links	* Name: DevconLAB			
Time Ranges	Notes:			
Routing Policies				
Dial Patterns	Overall Managed Bandwidth			
Regular Expressions	Managed Bandwidth Units: Kbit/sec 💌			
Defaults	Total Bandwidth:			
	Multimedia Bandwidth:			
	Audio Calls Can Take Multimedia Bandwidth:			
I	* Minimum Multimedia Bandwidth: 6	4 Kbit/Sec		
	* Defects And's Develoption		1	
	* Default Audio Bandwidth: 8	KDIt/sec 🚩		
Alarr	n Threshold			
	Overall Alarm Threshold: 80	%		
	Multimedia Alarm Threshold: 80 💙	%		
	* Latency before Overall Alarm Trigger: 5 Mir	nutes		
	* Latency before Multimedia Alarm Trigger: 5 Mir	nutes		
Loca	tion Pattern			
Add	Remove			
2 Item	ns ಿ			
	IP Address Pattern		Notes	
	* 192.168.50.*			
	* 172 29 187 *			
Select	: All, None			
			Commit	Cancel

7.4. Configure Adaptation

To configure a new Adaptation select **Adaptations** from the left window and click on **New** from the main window.

Αναγα	Avaya Aura® System Manager 6.2	Last Logged on at January 15, 2014 12:07 PI Help About Change Password Log off admin
_		Routing * Home
Routing	Home / Elements / Routing / Adaptations	
Domains		Help ?
Locations	Adaptations	
Adaptations		
SIP Entities	Editj New Duplicate Delete More Actions	
Entity Links	3 Items Refresh	Filter: Enable
Time Ranges	Name Module name	Egress URI Notes

Enter a suitable Name and select **DigitConversionAdapter** for the **Module Name**. Select **Name-Value Parameter** as the **Module Parameter Type**. Add the following Parameters:

- Fromto = true
- Iodstd = "domain"
- Iosrcd = "domain"
- Odstd = "Open Trade, IP Address"
- Osrcd = "Session Manager IP Address"

Click on **Commit** once completed.

AVAYA	Avaya Aura®Sys	Last Logged on at March 18, 2014 2:43 PM Help About Change Password Log off admin	
-			Routing * Home
Routing	Home / Elements / Routing /	Adaptations	
Domains			Help ?
Locations	Adaptation Details		Commit Cancel
Adaptations			
SIP Entities	General		_
Entity Links		* Adaptation name: Etrali3	
Time Ranges		Module name: DigitConversionAdapter 💌	
Routing Policies		Module parameter: fromto=true MIME=no odstd=172	2.
Dial Patterns	Egre	ess URI Parameters:	
Regular Expressions		Notes:	7
Defaults			

7.5. Configure SIP Entity for Etrali OpenTrade

Select **SIP Entities** from the left window and click on **New** in the main window.

AVAYA	Avaya Aura®Syster	n Manager 6.2	Las Help About	t Logged on at January 15, 2014 12:07 PM Change Password Log off admin
				Routing * Home
Routing	Home / Elements / Routing / SIP I	Entities		
Domains				Help ?
Locations	SIP Entities			
Adaptations				
SIP Entities	Edit New Duplicate Delete	More Actions 🔹		
Entity Links	15 Items Refresh			Filter: Enable
Time Ranges	Name	FQDN or IP Address	Туре	Notes
Routing Policies	AAMessaging	192.168.50.60	Modular Messaging	
Dial Patterns	AMXServer	192.168.50.100	SIP Trunk	
Sidi i diteriis	CM63VMPG	10.10.40.31	CM	

Enter a suitable **Name** and ensure that the **Adaptation** that was created in **Section 7.4** is used. Enter the **Location** that was configured in **Section 7.2** and the correct **Time Zone**. Click on **Commit** once completed.

AVAYA	Avaya Aura [®] System Manager 6.2				Last Logged on at March 13, 2014 11:23 AM About Change Password Log off admin
▼ Routing	Home / Elements / Rout	ting / SIP Entities			Routing * Home
Domains Locations	SIP Entity Details				Help ? Commit) Cancel
SIP Entities Entity Links Time Ranges Routing Policies	General	* Name: * FQDN or IP Address: Type: Notes:	Etrali 172.29.187.244 SIP Trunk		
Regular Expressions Defaults		Adaptation: Location: Time Zone:	Etrali3 DevconLAB Europe/Dublin	1	
	Override Port & * SII	Transport with DNS SRV: P Timer B/F (in seconds): Credential name:	4		1

7.6. Configure Entity Link for Etrali Open Trade

Select Entity Link from the left window and click on New in the main window.

AVAYA	Avaya Aura® System Mar		Last Logged on at January 15, 2014 12:1 Help About Change Password Log off ad				
▼ Routing	Home / Elements / Routing / Entity Links					Kouting	Home
Domains							Help ?
Locations	Entity Links						
Adaptations							
SIP Entities	Edit New Duplicate Delete More Actio	ns 🔹					
Entity Links	14 Items Refresh					Filte	r: Enable
Time Ranges	Name	SIP Entity 1	Protocol Por	t SIP Entity 2	Port	Connection Policy	Notes
Routing Policies	AAMessaging	SessionManager	TCP 506	0 AAMessaging	5060	Trusted	
Dial Patterns	AMXServer	SessionManager	UDP 506	0 AMXServer	5060	Trusted	
Regular Expressions	CM63VMPG	SessionManager	TLS 506	1 CM63VMPG	5061	Trusted	
D (II	CS1KPG1 TCP	SessionManager	TCP 506	0 CS1kPG1	5060	Trusted	
Defaults	DS3000	SessionManager	UDP 506	0 DS3000	5060	Trusted	

Select the correct **SIP Entity** that was created in **Section 7.5** and ensure that **UDP** is used as the **Protocol**. Note the **Port** is **5060**.

AVAVA	Avaya Aura® System Manager 6.2					Last Logged	Logged on at March 13, 2014 11:23 AM Change Password Log off admin			
-									Routing *	Home
Routing	Home / Elements / R	outing / Entity Links	;							
Domains										Help ?
Locations	Entity Links								Comm	it Cancel
Adaptations										
SIP Entities										
Entity Links	1 Item Refrech				1	_		1	Filt	er: Enable
Time Ranges	Name	SIP Entity 1	Protocol	Port	SIP Entity 2		Port	Connection Pol	icy Notes	
Routing Policies	* SM61_Etrali_5060_U	* SM61 💌	UDP 💙	* 5060	* Etrali	*	* 5060	Trusted 🗸		
Dial Patterns										
Regular Expressions	* Input Required								Comm	it Cancel
Defaults										

7.7. Configure Routing Policy for Etrali Open Trade

Select Routing Policies from the left window and click on New in the main window.

AVAYA	Avaya Aura® Syste	em Manager 6	5.2	Last L Help About	.ogged on at Janua Change Passwor	ry 15, 201 d Log o l	4 12:07 PM ff admin
					Rou	iting *	Home
T Routing	Home / Elements / Routing / Ro	uting Policies					
Domains							Help ?
Locations	Routing Policies						
Adaptations							
SIP Entities	Edit New Duplicate Delete	More Actions *					
Entity Links	14 Items Refresh					Filte	r: Enable
Time Ranges	Name	Disabled	Retries	Destination		Notes	
Routing Policies	AAMessaging		0	AAMessaging			
Dial Patterns	CM62		0	CommunicationManager			
Regular Expressions	Presence		0	Presence			
Defaults	RPMessaging		0	RichardAuraMessaging			

Enter a suitable **Name** and click on **Select** highlighted in order to associate this routing policy with a SIP Entity.

AVAVA	Avaya Aura® System Manager 6.2	Last Logged on at March 13, 2014 11:23 AM Help About Change Password Log off admin
		Routing * Home
Routing	Home / Elements / Routing / Routing Policies	
Domains		Help ?
Locations	Routing Policy Details	Commit Cancel
Adaptations		
SIP Entities	General	
Entity Links	* Name: ToEtrali	
Time Ranges	Disabled:	
Routing Policies	* Retries: 0	
Dial Patterns	Notes:	
Regular Expressions		
Defaults	SIP Entity as Destination	
	Select	
	Name FQDN or IP Address	Type Notes

Select the Etrali SIP Entity created in Section 7.5.

AVAYA	Avaya Aura® System Manager 6.2			Last Logged on at March 13, 2014 11:23 AM Help About Change Password Log off admin	
▼ Routing	∢ Hom	e / Elements / Routing	/ Routing Policies		Routing "Home
Domains					
Locations	SIP	Entity List			Select
Adaptations					
SIP Entities					
Entity Links	SIP	Entities			
Time Ranges	11 It	ems Refresh			Filter: Enable
Routing Policies	1	Name	FQDN or IP Address	Туре	Notes
Dial Patterns	0	AAMessaging	192.168.50.60	Modular Messaging	
Dial Patterns	0	CM63VMPG	10.10.40.31	CM	
Regular Expressions	0	CM R62	192.168.50.13	CM	Communication Manager R6.2
Defaults	0	CS1kPG1	10.10.40.111	SIP Trunk	
	0	CS1KPG2	192.168.50.99	SIP Trunk	
	0	DS3000	10.253.144.206	SIP Trunk	
	۲	Etrali	172.29.187.244	SIP Trunk	
	0	RichardAuraMessaging	10.10.16.122	Modular Messaging	
	0	SessionManager	192.168.50.16	Session Manager	Session Manager
	0	SIPERASBC	192.168.50.124	SIP Trunk	
	0	SM61	192.168.50.30	Session Manager	Session Manager Release 6.1

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7.8. Configure Dial Pattern for Etrali Open Trade

In order to route calls to the Open Trade a dial pattern is created pointing to the SIP Entity. Select **Dial Patterns** from the left window and click on **New** in the main window.

AVAYA	А	vaya Au	ra® Sy	ystem	Manager 6.2	Last Logged on at January 15, 2014 12:07 PM Help About Change Password Log off admin			
								Routin	g × Home
Routing	∢ Home	e / Elements	/ Routing	g / Dial Pi	atterns				
Domains									Help ?
Locations	Dial I	Patterns							
Adaptations	(m. 1)				lana Antiana al				
SIP Entities	Edi	New		elete	lore Actions •				
Entity Links	17 It	ems Refresh							Filter: Enable
Time Ranges		Pattern	Min	Max	Emergency Call	Emergency Type	Emergency Priority	SIP Domain	Notes
Routing Policies		<u>20</u>	4	4				devcon.avaya	
Dial Patterns		22252015	8	8				devcon.avaya	
Regular Expressions		2999	4	4				devcon.avaya	
Defaults		<u>30</u>	4	4				-ALL-	

Enter the number to be routed noting this will be the same number outlined in Section 5.3.2. Note that the SIP Domain is that configured in Section 7.2. Click on Add to select the SIP Entity.

Αναγα	Avaya Aura® System Manager 6.2	Last Logged on at March 13, 2014 11:23 AM Help About Change Password Log off admin
		Routing * Home
Routing	Home / Elements / Routing / Dial Patterns	
Domains		Help ?
Locations	Dial Pattern Details	Commit Cancel
Adaptations		
SIP Entities	General	1
Entity Links	* Pattern: 51	
Time Ranges	* Min: 4	
Routing Policies	* Max: 4	
Dial Patterns	Emergency Call: 🔲	•
Regular Expressions	Emergency Priority: 1	
Defaults	Emergency Type:	
	SIP Domain: devcon.avaya]
	Notes:	2
	Originating Locations and Routing Policies	
	1 Item Refresh	Filter: Enable

Tick on the **Originating Location** as shown below and select the **Etrali** Routing Policy. Click on **Select** once complete.

rime kanges		Apply The Selected Ri	buting Policies to All Originating I	ocations		~
Routing Policies						
Dial Patterns	1 Ite	m Refresh			1	Filter: Enable
Regular Expressions		Name			Notes	
Regular Expressions		DevconLAB				
Defaults	Selec	t : All, None				
	Rout	ting Policies				
	0.11	ang Folicies				Ellerer Erselele
	9 Itel	Name	Disabled	Destination		Filter: Enable
		Hume	Disabled	Destinution		Hotes
		AAMessaging		AAMessaging		
		CM62		CM R62		
	_					
		RPMessaging		RichardAuraMessaging		
		ToCM63VMPG		CM63VMPG		
	_					
		ToCS1KPG1		CS1kPG1		
		ToCS1KPG2		CS1KPG2		
	_					
		toDS3000		DS3000		
		ToEtrali		Etrali		
		ToSBC		SIPERASBC		
	Color	t All None				
	selec	L. AILINUTE				

7.9. Configure SIP Entity Avaya Communication Server 1000E

Select **SIP Entities** from the left window and click on **New** in the main window.

AVAYA	Avaya Aura®Syster	n Manager 6.2	La Help Abou	Last Logged on at January 15, 2014 12:07 Help About Change Password Log off admi						
				Routing * Home						
Routing	Home / Elements / Routing / SIP	Entities								
Domains				Help ?						
Locations	SIP Entities	SIP Entities								
Adaptations										
SIP Entities	Editj New Duplicate Delete	More Actions								
Entity Links	15 Items Refresh			Filter: Enable						
Time Ranges	Name	FQDN or IP Address	Туре	Notes						
Routing Policies	AAMessaging	192.168.50.60	Modular Messaging							
Dial Patterns	AMXServer	192.168.50.100	SIP Trunk							
	<u>CM63VMPG</u>	10.10.40.31	CM	СМ						

Enter a suitable **Name** and ensure the **Location** that was configured in **Section 7.2** and the correct **Time Zone** is entered.

Αναγα	Avaya Aura®	System Manag	Help	Last Logged on at January 15, 2014 12:07 Ph Help About Change Password Log off admin			
						Routing *	Home
Routing	Home / Elements / Rout	ing / SIP Entities					
Domains							Help ?
Locations	SIP Entity Details					Commit	Cancel
Adaptations	General						
SIP Entities		* Name:	CS1KPG2				
Entity Links		* FODN or IP Address:	192,168,50,99				
Time Ranges		Type	SID Truck				
Routing Policies		Type.	Sir Hunk				
Dial Patterns		notes:					
Regular Expressions		Adaptation:	~				
Defaults		Location:	DevconLAB				
		Time Zone:	Europe/Dublin				
	Override Port &	Transport with DNS SRV:		J			
	* SID	Timer B/E (in seconds):	4				
	516	Credential name			7		
		creuential name:			_		
		Call Detail Recording:	egress 💌				

7.10. Configure Entity Link Avaya Communication Server 1000E

Select Entity Link from the left window and click on New in the main window.

AVAYA	Avaya Aura®System Man	January 15, 201 sword Log o	4 12:07 PM ff admin				
						Routing *	Home
Routing	Home / Elements / Routing / Entity Links						
Domains							Help ?
Locations	Entity Links						
Adaptations							
SIP Entities	Edit New Duplicate Delete More Action	ns 🔹					
Entity Links	14 Items Refresh					Filte	r: Enable
Time Ranges	Name	SIP Entity 1	Protocol Po	rt SIP Entity 2	Port	Connection Policy	Notes
Routing Policies	AAMessaging	SessionManager	TCP 50	60 AAMessaging	5060	Trusted	
Dial Patterns	AMXServer	SessionManager	UDP 50	60 AMXServer	5060	Trusted	
Regular Expressions	CM63VMPG	SessionManager	TLS 50	61 CM63VMPG	5061	Trusted	
Defeature	CS1KPG1 TCP	SessionManager	TCP 50	60 CS1kPG1	5060	Trusted	
Detaults	DS3000	SessionManager	UDP 50	60 DS3000	5060	Trusted	

Select the correct **Sip Entity** that was created in **Section 7.9** and ensure that **TCP** is used as the **Protocol**. Note the **Port** is **5060**. This was also given as the **Port** and **Protocol** in **Section 6**.

AVAYA	Avaya Aur	a® System Ma		Last Logged on at January 15, 2014 12:07 PM Help About Change Password Log off admin						
									Routing *	Home
▼ Routing	Home / Elements /	Routing / Entity Link	5							
Domains										Help ?
Locations	Entity Links								Commit	Cancel
Adaptations										
SIP Entities										
Entity Links	1 Item Refresh				1				Filter:	Enable
Time Ranges	Name	SIP Entity 1	Protocol	Port	SIP Entity 2		Port	Connection Policy	Notes	
Routing Policies	* ToCS1KPG2	* SessionManager 🔽	TCP 💌	* 5060	* CS1KPG2	*	* 5060	Trusted 💌		
Dial Patterns										
Regular Expressions	* Input Required								Commit	Cancel
Defaults										1

7.11. Configure Routing Policy Avaya Communication Server 1000E

Select **Routing Policies** from the left window and click on **New** in the main window.

AVAYA	Avaya Aura® Syste	em Manager 6	5.2	Last Help About	Logged on at January 15, 2014 12:07 PM Change Password Log off admin
					Routing * Home
Routing	Home / Elements / Routing / Routing	uting Policies			
Domains					Help ?
Locations	Routing Policies				
Adaptations					
SIP Entities	Edit New Duplicate Delete	More Actions *			
Entity Links	14 Items Refresh				Filter: Enable
Time Ranges	Name	Disabled	Retries	Destination	Notes
Routing Policies	AAMessaging		0	AAMessaging	
Dial Patterns	CM62		0	CommunicationManager	
Regular Expressions	Presence		0	Presence	
Defaults	RPMessaging		0	RichardAuraMessaging	

Enter a suitable **Name** and click on **Select** highlighted in order to associate this routing policy with a SIP Entity. Select the **CS1000E** SIP Entity created in **Section 7.9** (shown below) and click on **Commit** when done.

AVAYA	Avaya Aura® System	Manager 6.2	Last Logged on at January 15, 2014 12:07 PM Help About Change Password Log off admin
			Routing * Home
Routing	Home / Elements / Routing / Routing	ng Policies	
Domains			Help ?
Locations	Routing Policy Details		Commit) Cancel
Adaptations			
SIP Entities	General		
Entity Links		* Name: ToCS1KPG2	
Time Ranges		Disabled:	
Routing Policies		* Retries: 0	
Dial Patterns		Notes:	
Regular Expressions			
Defaults	SIP Entity as Destination		
	Select		

Select the SIP Entity that was created in Section 7.9.

Αναγα	A	Avaya Aura® Syste		Help About Change Password Log off adn		
•					Ro	uting × Home
Routing	I Hom	ie / Elements / Routing / Ro	uting Policies			
Domains						
Locations	SIP	Entity List				Select Cance
Adaptations						
SIP Entities						
Entity Links	SIP	Entities				
Time Ranges	15 It	tems Refresh				Filter: Enable
Routing Policies	1	Name	FQDN or IP Address	Туре	Notes	
Dial Datterns	0	AAMessaging	192.168.50.60	Modular Messaging		
Didi Patterns	0	AMXServer	192.168.50.100	SIP Trunk		
Regular Expressions	0	CM63VMPG	10.10.40.31	CM		
Defaults	0	CommunicationManager	192.168.50.13	CM	Communication Manager R6.	.2
	0	CS1kPG1	10.10.40.111	SIP Trunk		
	\odot	CS1KPG2	192.168.50.99	SIP Trunk		
	0	DS3000	10.253.144.206	SIP Trunk		

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7.12. Configure Dial Pattern for Avaya Communication Server 1000E

In order to route calls to the CS1000E a dial pattern is created pointing to the SIP Entity. Select **Dial Patterns** from the left window and click on **New** in the main window.

AVAYA	А	vaya Au	ra® Sy	ystem	Manager 6.2	Last Logged on at January 15, 2014 12:07 PM Help About Change Password Log off admin			
								Routin	g × Home
Routing	∢ Home	e / Elements	/ Routing	g / Dial Pi	atterns				
Domains									Help ?
Locations	Dial I	Patterns							
Adaptations	(m. 1)				lana Antiana al				
SIP Entities	Edi	New		elete	lore Actions •				
Entity Links	17 It	ems Refresh							Filter: Enable
Time Ranges		Pattern	Min	Max	Emergency Call	Emergency Type	Emergency Priority	SIP Domain	Notes
Routing Policies		<u>20</u>	4	4				devcon.avaya	
Dial Patterns		22252015	8	8				devcon.avaya	
Regular Expressions		2999	4	4				devcon.avaya	
Defaults		<u>30</u>	4	4				-ALL-	

Enter the number to be routed noting this will be extension numbers of the CS1000E deskphones, in this case **32**xx. Note the **SIP Domain** is that configured in **Section 7.2**. Click on **Add** to select the SIP Entity.

AVAYA	Avaya Aura® System Manager 6.2	Last Logged on at Help About Change Pas
· Routing	Home / Elements / Routing / Dial Patterns	
Domains		
Locations	Dial Pattern Details	
Adaptations		
SIP Entities	General	-
Entity Links	* Pattern: 32	
Time Ranges	* Min: 4	
Routing Policies	* Max: 4	
Dial Patterns	Emergency Call:	_
Regular Expressions	Emergency Priority: 1	
Defaults	Emergency Type:	
	SIP Domain: devcon.avaya	7
	Notes:]
	Originating Locations and Routing Policies	
	Add Remove	
	1 Item Refresh	

Tick on the **Originating Location** as shown below and select the **CS1000E** Routing Policy. Click on **Select** once complete.

A\ /A\ /A	Avova Auro® System Manager 6.3	Last Logged on at January 15, 2014 12:07 PM
ΑνΑγΑ	Avaya Auta System Manager 0.2	Help About Change Password Log off admin
		Routing * Home
Routing	Home / Elements / Routing / Dial Patterns	
Domains		
Locations	Originating Location and Routing Policy List	Select Cancel
Adaptations		
SIP Entities		
Entity Links	Originating Location	
Time Ranges	Apply The Selected Routing Policies to All Originating Locations	
Routing Policies		
Dial Patterns	1 Item Refresh	Filter: Enable
Regular Expressions	DevconLAB	
Defaults		
	Select : All, None	
	Routing Policies	
	14 Items Refresh	Filter: Enable
	Name Disabled Destination	Notes
	AAMessaging AAMessaging	
	ToCS1KPG2 CS1KPG2	

8. Configuration of Etrali Trading Solutions Open Trade

Start the Open Trade Administration program, and log in with the appropriate credentials.

Server	172.29.187.138
Login	SUPER_ADMIN
Password	
Language	English

8.1. Create Carrier

Expand the **Facilities Management** icon and select the **Carriers** menu element. Place the cursor under the **Name** pane header and right-click the mouse.



Select **Create** from the menu which appears.

	<u>C</u> reate	Insert
1	<u>M</u> odify	Enter
×	<u>D</u> elete	Delete
E.	Define Fi <u>l</u> ter	Ctrl+R
₫↓	S <u>o</u> rt	Ctrl+T
٩	<u>S</u> earch	Ctrl+F
0	<u>R</u> efresh	Ctrl+F5
量	Resize columns	Ctrl+F7
播	<u>D</u> isplay columns	Ctrl+F8
Ø	Select <u>a</u> ll	Ctrl+A
0	Ca <u>n</u> cel selection	Ctrl+Z
1	Export <u>d</u> ata (active table)	Ctrl+E

Enter an appropriate Name and Description and click Ok.

Modify Carri	er	×
Name:	IP_TRUNK_AVAYA_CS1K	
Description:	SIP connection to Avaya CS1K	▲ ○
	Ok Restore Cancel	

8.2. Create DID Prefixes

Expand the **DID Prefixes** menu item. Place the cursor in the **DID prefix** pane and right-click the mouse.

Administration 4.0.3.0/ Server : 172.29	9.187.138
<u>File Edit View Tools Config Options</u>	?
💾 🗮 🗙 🔕 🖬 🔍 🐯 🕈 👌	₩ 🛛 🖯 🗲
 Open Trade@172.29.187.138 Organisations Management Facilities Management Carriers Carriers Peripheral equipments Resources Assignment Clusters Clustergroups (unicast intercomposition of the second sec	DID prefix UPC SIP TRUNK QSIG MASTER QSIG SLAVE 5100 SIP_AVAYA 6500
	Number of records: 7/7
	DID Links Filtered names
-	

Select Create from the menu which appears

🚰 <u>C</u> reate	Insert
Modify	Enter
🗙 <u>D</u> elete	Delete
🐯 Define Fi <u>l</u> ter	Ctrl+R
<u></u> ∮↓ S <u>o</u> rt	Ctrl+T
🔍 <u>S</u> earch	Ctrl+F
🔇 <u>R</u> efresh	Ctrl+F5
😭 Resize columns	Ctrl+F7
🎬 Display columns	Ctrl+F8
🥑 Select <u>a</u> ll	Ctrl+A
Cancel selection	Ctrl+Z
💿 💿 Export <u>d</u> ata (active table) Ctrl+E

Enter an identifying name in the **DID prefix** field and click **Add**.

ID prefix:	5100
iltered nam	nes (beginning with):
Names	
	Add Remove
Description	Add Remove
Description	Add Remove

8.3. Create DID Declaration

Expand the **DID Declaration** menu item. Place the cursor under the first blank entry in the **DID prefix** pane and right-click the mouse.

Searce Administration 3.0.5.2/ Server : 172.29.187.138							
Eile Edit View Tools Config Options ?							
🔻 🚞 Open Trade@172.29.187.138		DID prefix	DID r	1			
► 📄 Organisations Management	5100		5104				
🔻 🚞 Facilities Management	5100		5105				
► 🚞 Carriers	5100		5106	I			
🔻 🚘 DID Prefixes	5100		5107	I			
DID Declaration	5100		5108	I			
Peripheral equipments	5100		5109				
📄 Resources Assignment	5100		5110	I			
Clusters	SIP_AVAYA		2400				
► 🚞 Telecom Management	SIP_AVAYA		2401				
Contact Management	SIP_AVAYA		2402	I			
	SIP_AVAYA		2403				
	SIP_AVAYA		2404				
	SIP AVAYA		2405	I			
	SIP AVAYA LAB		4000	I			
	SIP AVAYA LAB		4001				
	SIP AVAYA LAB		4002	I			
	SIP AVAYA LAB		4003	I			
	SIP AVAYA LAB		4004				
	SIP AVAVA LAB		4005	1			
		,	1000				
			Number of records: 45/45				
12/19/2012 16:08:12 - Administration application started.							

Select **Create** from the menu which appears.

2	<u>C</u> reate	Insert
4	<u>M</u> odify	Enter
×	<u>D</u> elete	Delete
	Define Fi <u>l</u> ter	Ctrl+R
₽ţ	S <u>o</u> rt	Ctrl+T
9	<u>S</u> earch	Ctrl+F
0	<u>R</u> efresh	Ctrl+F5
)III	Resize columns	Ctrl+F7
播	Display columns	Ctrl+F8
V	Select <u>a</u> ll	Ctrl+A
0	Ca <u>n</u> cel selection	Ctrl+Z
M	Export <u>d</u> ata (active table)	Ctrl+E

Enter the following values in the Add DID screen which appears and click Add.

- **DID prefix** select the DID Prefix created in **Section 8.2**.
- **From** enter the first number of the range of numbers Open Trade will receive call for. In this case **5100**.
- **To** enter the last number of the range of numbers Open Trade will receive calls for. In this case **5110**.
- **Organization** select the name of the appropriate Organization from the drop-down menu, this is preconfigured and the details are not covered in these Application Notes.

Add DID	×
DID prefix:	5100
From:	5100
To:	5110
Organisation:	Recording
	Created items: 0
Add	Default values Cancel

8.4. Create Peripheral Equipment

This section relates to the Avaya components from/to SIP traffic will be routed. Expand the **Peripheral equipments** menu item, Place the cursor under the first blank entry in the right hand pane and right-click the mouse.

Administration 4.0.3.0/ Server : 172.29.187.138								
Elle Edit View Tools Config Options ?								
🚰 🔳 🗙 🔕 🖬 🔍 🐯 🕈 👌	₩ 🕙 🔾 😽							
🔻 📄 Open Trade@172.29.187.138	Logical name Domain	Equipment na	Manufacturer	Product	Strategy	Hostname or IP addr	. SIP-X	
Organisations Management	EQT001	EQT001	CISCO	C2811	CISCO_GATEWAY		CLUSTER01-CABT001	2
🔻 🚞 Facilities Management	EQT002	EQT002	CISCO	CALL MANAGER	CUCM_IPBX		CLUSTER01-CABT001	1
Carriers	EQT005	EQT005	AVAYA	AVAYA AURA	AVAYA_IPBX	192.168.50.30	CLUSTER01-CABT001	1
DID Prefixes	EQT004	EQT004	AVAYA	AVAYA AURA	AVAYA_IPBX		CLUSTER01-CABT001	1
Peripheral equipments	EQT013	NET	NET	GATEWAY VX1200	NET_GATEWAY		CLUSTER01-CABT001	1
Resources Assignment	EQT014	GW4	CISCO	C2811	CISCO_GATEWAY		CLUSTER01-CABT001	1
Clusters	EQT027	EQT027	CISCO	C2811	UPC_SIP_TRUNK		CLUSTER01-CABT001	1
Clustergroups (unicast intercion)	EQT003	EQT003	ALCATEL	OXE 10.1	ALCATEL_IPBX		CLUSTER01-CABT001	1
Telecom Management	EQT006	VerintVM6 CTI	NICE	CTI	NICE_RECORDING			0
Contact Management	EQT007	VerinfVM6 ESP	NICE	ESP	NICE RECORDING			0
	4)		7.6
							hlumhar of recorder d	0/10
-							inumber of records: 1	010

Select Create from the menu which appears.

	<u>C</u> reate	Insert
1	<u>M</u> odify	Enter
×	<u>D</u> elete	Delete
E.	Define Fi <u>l</u> ter	Ctrl+R
₫↓	Sort	Ctrl+T
9	<u>S</u> earch	Ctrl+F
\odot	<u>R</u> efresh	Ctrl+F5
量	Resize columns	Ctrl+F7
播	<u>D</u> isplay columns	Ctrl+F8
\bigcirc	Select <u>a</u> ll	Ctrl+A
0	Ca <u>n</u> cel selection	Ctrl+Z
1	Export <u>d</u> ata (active table)	Ctrl+E

Enter the following values in the **Add Peripheral equipment** screen which appears and click **Add**.

- Manufacturer select AVAYA from the drop down list.
- **Product name** select **AVAYA AURA** from the drop down list.
- **SIP Strategy** select **AVAYA_IPBX** from the drop down list.
- **Equipment name** enter an identifying name.
- IP Address or Hostname enter the IP address of Session Manager.
- **Telco links** enter **1**.

📕 Add Peripheral equip	ment					×	
Peripheral equipment							
Logical number	8	•	Manufacturer	AVAYA			
Logical name	EQT008		Product name	AVAYA A	URA		
Equipment name	EQT008		SIP strategy	AVAYA_II	PBX		
SIP-X name SIP-X Logical name	CLUSTER01-CABT001 CLUSTER01-CABT001		li e e e e e e e e e e e e e e e e e e e				
Contact parameters			Resources				
Domain			Telco Links		1		
IP Address or	Hostname		Recording channels 0		0		
192.168.50.30 2 3 4 			Interco capacity		0		
Avaya Lab certificati	on (VPN)					ę	
Advanced configurati	on >>						
Created items: 0							

8.5. Create Link/Channels

Expand the **Link/Channels** menu item and double click the newly created Equipment created in **Section 8.4**.

Administration 4.0.3.0/ Server : 172.29	9.187.138						_ 🗆 🗙	
Ille Edit View Tools Config Options ?								
🗂 🗙 🚫 🖬 🔍 🐯 🕈 🛃	¥ 🕑 🔾 🗲							
Open Trade@172.29.187.138	Equipment	Logical name	Administrative name	Carrier	DID prefix	Туре	Interface	
🕨 📄 Organisations Management	EQT001	EQT001-L001	EQT001-L001	QSIG MASTER	QSIG MASTER	D	E1 Qsig Network	
🔻 🚞 Facilities Management	EQT001	EQT001-L002	EQT001-L002	QSIG SLAVE	QSIG SLAVE	D	E1 Qsig Termina	
Carriers	EQT002	EQT002-L001	EQT002-L001	IP_Trunk_CUCM	5100	IP		
DID Prefixes	EQT004	EQT004-L001	EQT004-L001	IP_Trunk_Avaya	SIP_AVAYA	IP		
Peripheral equipments	NET	EQT013-L001	EQT013-L001			D	E1 CAS	
Link/Channels	GW4	EQT014-L001	EQT014-L001	Qsig Avaya	SIP_AVAYA	D	E1 Qsig Network	
Recording Channel	EQT027	EQT027-L001	EQT027-L001	UPC	5100	IP		
📑 Resources Assignment	EQT005	EQT005-L001	EQT005-L001	IP_TRUNK_AVAYA_CS1K				
Clusters	EQT003	EQT003-L001	EQT003-L001	IP_Trunk_Alcatel R10.1	5100	IP		
Clustergroups (unicast intercip)	1							
Contact Management								
	-				,		7.6	
						Nue	ober of records: 0/0	
-				_		NUL	nuer or records, a/a	

Enter the following values in the Update Telco Link screen which appears and click Ok.

- Link name enter an identifying name.
- **Carrier** select the Carrier created in **Section 8.1**.
- **DID prefix** select the DID prefix created in **Section 8.2**.
- **Type** select **IP** from the drop down list.
- Number of channels enter 30.

quipinenti	name: EQT005	Logical name: EQT005-L001
ink name:	EQT005-L001	
escription:		
k configura	tion	
k configura Carrier:	IP_TRUNK_AVAYA_CS1K	Number of channels: 30
k configura Carrier: DID prefix:	IP_TRUNK_AVAYA_CS1K 5100	Number of channels: 30 Leased lines (Dissociated channels):
k configura Carrier: DID prefix: Fype:	IP_TRUNK_AVAYA_CS1K V 5100 V	Number of channels: 30 Leased lines (Dissociated channels):

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8.6. Create Routing Rule

Expand the **Telecom Management** and **Recording** items and select the **Routing rules** menu element. Place the cursor under the first blank entry in the right hand pane and right-click the mouse to create a new routing rule to Session Manager.

Administration 4.0.3.0/ Server : 172.2	9.187.138							- 🗆 ×	
File Edit View Tools Config Options ?									
🎒 🗇 🗙 🔕 🖬 🥄 🐯 🌹 約	₩ 🕑 🔾 🗲								
🔻 📄 Open Trade@172.29.187.138	Start hour	Country	Site	Don	nain Outgoing acce	ss c Source prefix	Carrier	Τa	
Organisations Management		France	DKE_recording	PR	0	51	IP_TRUNK_AVAYA_CS1K	51	
Facilities Management		France	DKE_recording	PR	0	98	IP_Trunk_CUCM	98	
🔻 🚞 Telecom Management				PR		9	QSIG SLAVE	9	
Recording				PR		3	IP_TRUNK_AVAYA_CS1K	3	
Sites				PR			IP_TRUNK_AVAYA_CS1K	59	
Routing rules		France	DKE_recording	PR	0	6	IP_Trunk_Avaya	6	
CPN selection rules				PR		66	Qsig Avaya	6	
Outgoing Trunks		France	DKE_recording	PR	0	79	IP_Trunk_Alcatel R10.1	79	
DID Assignment				PR		4	IP_TRUNK_AVAYA_CS1K	4	
Contact wanagement									
								_	
								71	
							Number of reco	rds: 9/9	
- Consule									

Select **Create** from the menu which appears.

1	Create	Insert
	 Modify	Enter
×	<u>D</u> elete	Delete
E.	Define Filter	Ctrl+R
₽Ļ	Sort	Ctrl+T
	<u>S</u> earch	Ctrl+F
0	<u>R</u> efresh	Ctrl+F5
量	Resize columns	Ctrl+F7
靜	<u>D</u> isplay columns	Ctrl+F8
V	Select <u>a</u> ll	Ctrl+A
0	Ca <u>n</u> cel selection	Ctrl+Z
6	Export <u>d</u> ata (active table)	Ctrl+E

Enter the following values in the **Modify Routing rule** screen which appears and click **Ok**.

- **Domain** select **Private** from the drop down list.
- **Source prefix** enter the first digits of the extension range configured for Avaya endpoints.
- **Carrier** enter the Carrier configured in **Section 8.1**.
- **Target prefix** enter the first digits of the extension range configured for Avaya endpoints.

Start hour	None None None	•
Country:	All	-
Site:	All	
Site Outgo From	ning Access code:	
Dor	nain: Private	
Sou	irce prefix: 59	
То		
Ca	rrier: IP_TRUNK_AVAYA_CS1K	
Tar	get prefix: 59	
	☑ Is activated	

8.7. Create Outgoing Trunk

Expand the **Telecom Management** and **Recording** items and select the **Outgoing Trunks** menu element. Place the cursor under the first blank entry in the right hand pane and right-click the mouse to create a new outgoing trunk to the Avaya solution.

Administration 4.0.3.0/Server: 172.29.187.138							
<u>File Edit View Tools Config Options</u>	s ?						
🖆 🗐 🗙 🕥 🖬 🔍 🐯 🕈 👌	↓ ₩ ⊗ ○ 🔗						
🔻 📄 Open Trade@172.29.187.138	Name	Carrier					
🕨 📄 Organisations Management	Qsig Avaya	Qsig Avaya					
🕨 📄 Facilities Management	MASTER TRUNK	QSIG MASTER					
🔻 🚞 Telecom Management	TRUNK SLAVE	QSIG SLAVE					
🔻 📑 Recording	SIP_TRUNK_CUCM	IP_Trunk_CUCM					
Sites	SIP_TRUNK_AVAYA	IP_Trunk_Avaya					
Routing rules	SIP_TRUNK_ALCATEL	IP_Trunk_Alcatel R10.1					
CPN selection rules	SIP_TRUNK_UPC	UPC					
Outgoing Trunks	SIP_TRUNK_AVAYA_VPN	IP_TRUNK_AVAYA_CS1K					
DID Assignment							
🕨 🔚 Contact Management							
			7 F				
		Number of records	: 8/8				
(L)							

Select "Create" from the menu which appears.

🚰 <u>C</u> reate	Insert
Modify	Enter
🗙 <u>D</u> elete	Delete
🐯 Define Fi <u>l</u> ter	Ctrl+R
<mark>⊉</mark> ↓ S <u>o</u> rt	Ctrl+T
🔍 <u>S</u> earch	Ctrl+F
🔇 <u>R</u> efresh	Ctrl+F5
🙀 Resize columns	Ctrl+F7
🎬 Display columns	Ctrl+F8
Select <u>a</u> ll	Ctrl+A
Cancel selection	Ctrl+Z
💿 Export <u>d</u> ata (active tab	le) Ctrl+E

Enter the following values in the **Modify Outgoing trunk** screen which appears and click **Ok**.

- **Name** Enter a suitable name for the outgoing trunk.
- Carrier select the carrier created in Section 8.1 from the drop down list.
- **Workgroup** add the appropriate Workgroup from the drop-down menu, this is preconfigured and the details are not covered in these Application Notes.
- **Resources** add the peripheral equipment created in **Section 8.4**.

lodity Outgoing trun going Trunk lame: SIP_TRUNk			Car	rier: IP_TRUNK 🖣
Vorkgroups				
Name WG_Recording	Supplementar	y name BU_	BE Recording	Add
				Remove
lesources				•
Туре	Equipment L	ogical name	Administrative name	Add
				Remove
)verflow trunks				
Site	Trunk		Activated	
DKE_recording	None			
	Ok	Restore	Cancel	

9. Verification Steps

To verify a successful configuration of Open Trade and CS1000E a call is placed from the CS1000E to and from an Open Trade extension with the caller getting answered successfully hearing clear and audible speech. The following steps can also be taken to ensure the link is up between Open Trade and Session Manager.

9.1. Verify Open Trade SIP Entity

Log in to System Manager as per **Section 7.1**. From the main menu select Session Manager as shown below.



Navigate to **System Status** → **SIP Entity Monitoring**. Select the **Etrali** SIP Entity.

Communication Profile	Entity Link Status for All Session Manager Instances							
Network Configuration	Run Monitor							
Device and Location	2 Items Refresh							
Configuration	Session Manage Name	er Entity Links Down/Total	Entity Links Partially Down	SIP Entities - Monitoring Not Started	SIP Entities - Not Monitored			
Application	SessionManag	<u>ler</u> 3/5	0	0	0			
Configuration	SM61	0/4	0	0	0			
System Status	Select : All,None							
SIP Entity Monitoring								
Managed Bandwidth	All Monitored SIF	? Entities						
Usage	Run Monitor							
Security Module	O Thomas Dofine of Chan		Filter: Frankla					
Status	9 Items Reiresn Snow		Filter: Enable					
Registration	AAMessaging	•						
Summary	CM R62							
User Registrations	CM63VMPG							
System Tools	CS1kPG1							
Performance	CS1KPG2							
	DS3000	_						
	Etrali							
	RichardAuraM	<u>essaging</u>						
	SIPERASBC							
	Select : All, None							

Note that both the **Conn. Status** and **Link Status** show **Up**.

AVAYA	Avaya Aura® System Manager 6.2					Last Logged on at March 18, 2014 2:34 P Help About Change Password Log off admin				
-								Session Ma	anager ×	Home
▼ Session Manager	Home / I	Elements / Session Manage	er / System Status / SIP Entil	ty Monitori	ng					
Dashboard										Help ?
Session Manager Administration	SIP E	ntity, Entity Link (displays detailed connection status	Connection Status	Manager insta	inces to a sir	gle SIP entity.				
Communication Profile Editor	All Ent	ity Links to SIP Entity: I	Etrali	-						
Network Configuration	Sum	mary View								
Device and Location	1 Item R	efresh							Filte	r: Enable
Configuration	Details	Session Manager Name	SIP Entity Resolved IP	Port	Proto.	Conn. Status	Re	ason Code	Link Sta	atus
Application	►Show	<u>SM61</u>	172.29.187.244	5060	UDP	Up	200) OK	Up	
Configuration										
▼ System Status										
SIP Entity Monitoring										
Managed Bandwidth										
Usage										
Security Module										
Status										

10.Conclusion

The interoperation of Open Trade from Etrali Trading Solutions with Avaya Communication Server 1000E R7.5 and Avaya Aura® Session Manager R6.1 was successful for this specific setup in order to place calls to and from Open Trade to the CS1000E. All issues and observations are outlined in **Section 2.2**.

11.Additional References

Additional Avaya product documentation is available at http://support.avaya.com.

- [1] Software Input Output Reference Administration Avaya Communication Sever 1000, R7.5 NN43001-611
- [2] Administering Avaya Aura® Session Manager, Release 6.1, 03-603324

Product documentation for Etrali Open Trade can be requested from Etrali or may be downloaded from http://www.etrali.com

Appendix A

Avaya Communication Server 1000E R7.5 - Linux Patches

Product	Release: 7	.50.17.00				
In syst	em patches:	2				
PATCH#	NAME	IN_SERVICE	DATE	SPECINS	TYPE	RPM
31	p31484_1	Yes	26/06/13	NO	FRU	cs1000-shared-general-7.50.17-00.i386
51	p33024 1	Yes	13/03/14	NO	FRU	cs1000-cs-7.50.Q.100-00.i386
In Syst	em service	updates: 32				
PATCH#	IN_SERVICE	DATE	SPECINS	REMOVABL	E NA	ME
0	Yes	12/03/14	NO	YES	CS	1000-patchWeb-7.50.17.16-15.1386.000
1	Yes	17/01/13	YES	YES	CS	1000-baseWeb-7.50.17.16-2.1386.000
2	Yes	13/03/14	NO	YES	CS	1000-dmWeb-7.50.17.16-7.i386.000
3	Yes	26/06/13	NO	YES	CS	1000-shared-pbx-7.50.17.16-1.i386.000
4	Yes	26/06/13	NO	YES	CS	1000-kcv-7.50.17.16-1.i386.000
5	Yes	26/06/13	NO	yes	av	aya-cs1000-cnd-4.0.20-00.i386.000
6	Yes	26/06/13	NO	YES	CS	1000-ipsec-7.50.17.16-1.i386.000
7	Yes	26/06/13	NO	YES	ip	sec-tools-0.6.5-14.el5.3 avaya 1.i386.000
8	Yes	26/06/13	NO	YES	sp	iritAgent-6.1-1.0.0.108.208.i386.000
12	Yes	26/06/13	NO	YES	CS	1000-ncs-7.50.17.16-1.i386.000
13	Yes	26/06/13	NO	YES	CS	1000-EmCentralLogic-7.50.17.16-2.i386.000
17	Yes	26/06/13	NO	YES	CS	1000-csoneksvrmgr-7.50.17.16-1.i386.000
28	Yes	26/06/13	NO	YES	CS	1000-dbcom-7.50.17.16-1.i386.000
32	Yes	12/03/14	YES	YES	CS	1000-linuxbase-7.50.17.16-21.i386.000
33	Yes	13/03/14	NO	YES	CS	1000-pd-7.50.17.16-3.i386.000
34	Yes	13/03/14	NO	YES	CS	1000-ftrpkg-7.50.17.16-13.i386.000
35	Yes	13/03/14	NO	YES	CS	1000-emWebLocal 6-0-7.50.17.16-4.i386.000
36	Yes	13/03/14	YES	YES	CS	1000-mscAnnc-7.50.17.16-17.i386.000
37	Yes	13/03/14	YES	YES	CS	1000-mscAttn-7.50.17.16-7.i386.000
38	Yes	13/03/14	YES	YES	CS	1000-mscConf-7.50.17.16-5.i386.000
39	Yes	13/03/14	YES	YES	CS	1000-mscMusc-7.50.17.16-18.i386.000
40	Yes	13/03/14	YES	YES	CS	1000-mscTone-7.50.17.16-6.i386.000
41	Yes	13/03/14	YES	YES	CS	1000-emWeb 6-0-7.50.17.16-41.i386.000
42	Yes	13/03/14	NO	YES	CS	1000-gk-7.50.17.16-2.i386.000
43	Yes	13/03/14	NO	YES	CS	1000-cs1000WebService 6-0-7.50.17.16-
2.i386.	000					_
44	Yes	13/03/14	NO	YES	CS	1000-csmWeb-7.50.17.16-9.i386.000
45	Yes	13/03/14	NO	YES	CS	1000-sps-7.50.17.16-18.i386.000
46	Yes	13/03/14	yes	yes	tz	data-2013c-2.el5.i386.000
47	Yes	13/03/14	YES	YES	CS	1000-tps-7.50.17.16-33.i386.000
48	Yes	13/03/14	YES	YES	CS	1000-Jboss-Quantum-7.50.17.16-37.i386.000
49	Yes	13/03/14	YES	YES	CS	1000-vtrk-7.50.17.16-228.1386.000
50	Yes	13/03/14	YES	YES	CS	1000-bcc-7.50.17.16-117.i386.000

Avaya Communication Server 1000E R7.5 - Call Server Patches

VERSION 4121						
RELE.	ASE 7					
ISSU	E 50 Q +					
DepL	ist 1: core	Issue: 01 (created:	2013-11-28	07:03:52 (e	est)) ALTERED	
IN-S	ERVICE PEPS					
PAT#	CR #	PATCH REF #	NAME	DATE	FILENAME	SPECINS
000	wi01044828	ISS1:10F1	p31510 1	13/03/2014	p31510 1.cpl	NO
001	wi00853178	ISS1:10F1	p30719_1	13/03/2014	p30719 1.cpl	NO
002	wi01044293	ISS1:10F1	p32250_1	13/03/2014	p32250 1.cpl	NO
003	wi01037022	ISS1:10F1	p32192 1	13/03/2014	p32192 1.cpl	YES
004	wi00854130	ISS1:10F1	p30443_1	13/03/2014	p30443 1.cpl	NO
005	wi01006063	ISS1:10F1	p31957_1	13/03/2014	p31957 1.cpl	NO
006	wi01029486	ISS1:10F1	p32144_1	13/03/2014	p32144 1.cpl	NO
007	wi01057782	ISS1:10F1	p32344 1	13/03/2014	p32344 1.cpl	NO
008	wi00896319	ISS1 • 10F1	p_{31070} 1	13/03/2014	$p_{31070} 1 cpl$	NO
009	wi01092839	ISS1 • 10F1	p32731 1	13/03/2014	p32731_1_cpl	NO
010	wi01008943	ISSI:1011 ISSI:10F1	p_{31382} 1	13/03/2014	p31382 1 cpl	NO
011	wi01030651	ISS1.10F1	p_{321502}_{1}	13/03/2011	p31302_1.cpl	NO
012	wi01010423	TSS1.10F1	p_{22135_1}	13/03/2011	p32135_1.cpl	NO
012	wi01012425	1331.10F1	p_20100_1	13/03/2014	p20100_1.cp1	NO
011	wi01020070	1991.1011	$p_{32090}1$	13/03/2014	p_{322891} cpl	NO
015	wi01030995	1331.10F1	$p_{32209}1$	13/03/2014	p32209_1.cp1	NO
016	WI01032447	1331.10F1	p32100_1	12/02/2014	p31000_1.cp1	NO
017	W100990320	1331.10F1	p31099_1	12/02/2014	p31099_1.cp1	NO
010	W100034409	1551:10F1	p30701_1	12/02/2014	p30701_1.cp1	NO
010	WI01007604	1551:10F1	p31903_1	12/02/2014	p31963_1.cp1	NO
019	WI01020959	1551:10F1	p32062_1	13/03/2014	p32062_1.cp1	NO
020	WIUIUU/960	1551:10F1	p31965_1	13/03/2014	p31965_1.cp1	NO
021	WIUIII2938	1551:10F1	p32871_1	13/03/2014	p328/1_1.cp1	NU
022	W101060919	1551:10F1	p3239/_1	13/03/2014	p3239/_1.cpl	IES
023	W100949273	1551:10F1	p31411_1	13/03/2014	p31411_1.cp1	NO
024	W101032794	1551:10F1	p31480_1	13/03/2014	p31480_1.cp1	NO
025	W10103/848	ISSI:10F1	p32202_1	13/03/2014	p32202_1.cp1	NO
026	wi01066277	ISSI:10F2	p32435_1	13/03/2014	p32435_1.cp1	NO
027	w1009/1980	ISSI:IOFI	p31863_1	13/03/2014	p31863_1.cp1	NO
028	wi01042548	ISSI:IOFI	p32232_1	13/03/2014	p32232_1.cp1	NO
029	wi01034779	ISS1:10F1	p32174_1	13/03/2014	p32174_1.cpl	NO
030	wi01046277	ISS1:10F1	p32265_1	13/03/2014	p32265_1.cpl	NO
031	wi01003384	ISS1:10F1	p31479_1	13/03/2014	p31479_1.cpl	NO
032	wi01039079	ISS1:10F1	p32210_1	13/03/2014	p32210_1.cpl	NO
033	w101046059	ISSI:IOFI	p32262_1	13/03/2014	p32262_1.cp1	NO
034	wi01008188	ISS1:10F1	p32020_1	13/03/2014	p32020_1.cpl	NO
035	wi01037583	ISS1:10F1	p32201_1	13/03/2014	p32201_1.cpl	NO
036	w100965603	ISS1:10F1	p31618_1	13/03/2014	p31618_1.cpl	NO
037	w100956788	ISS1:10F1	p31638_1	13/03/2014	p31638_1.cpl	NO
038	wi01001911	ISS1:10F1	p31920_1	13/03/2014	p31920_1.cpl	NO
039	wi01008316	ISS1:10F1	p32026_1	13/03/2014	p32026_1.cpl	YES
040	wi01034452	ISS1:10F1	p31672_1	13/03/2014	p31672_1.cpl	NO
041	wi01077070	ISS1:10F1	p32534_1	13/03/2014	p32534_1.cpl	NO
042	wi01018064	ISS1:10F1	p32044_1	13/03/2014	p32044_1.cpl	NO
043	wi01033893	ISS1:10F1	p32167_1	13/03/2014	p32167_1.cpl	NO
044	wi00976951	ISS1:10F1	p30112_1	13/03/2014	p30112_1.cpl	NO
045	wi01046101	ISS1:10F1	p32263_1	13/03/2014	p32263_1.cpl	NO
046	WI00854150	ISS1:10F1	p30468_1	13/03/2014	p30468_1.cpl	NO
047	wi01030088	ISS1:10F1	p32148_1	13/03/2014	p32148_1.cpl	YES
048	wi01041007	ISS1:10F1	p32059_1	13/03/2014	p32059_1.cpl	NO
049	wi00991907	iss1:1of1	p31907_1	13/03/2014	p31907_1.cpl	NO
050	wi01037773	ISS1:10F1	p31544_1	13/03/2014	p31544_1.cpl	NO
051	wi01044600	ISS1:10F1	p32255 1	13/03/2014	p32255 1.cpl	YES

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052	wi01033197	ISS1 · 1OF1	n29818 1	13/03/2014	n29818 1 cnl	NO	
052	wi01000107	1001.1011 1991.10F1	p20010_1	13/03/2011	p20010_1.cp1	NO	
055	WI01003927	1351.10F1	p31903_1	12/02/2014	p31903_1.cp1	NO	
054	w1011194/5	1551:10F1	p32922_1	13/03/2014	p32922_1.cp1	NO	
055	wi00897250	ISS1:10F1	p31127_1	13/03/2014	p31127_1.cpl	NO	
056	wi01115608	ISS1:10F1	p32949 1	13/03/2014	p32949 1.cpl	YES	
057	wi01014835	ISS1:10F1	p32015 1	13/03/2014	p32015 1.cpl	NO	
0.5.8	wi00896394	TSS1:10F1	p_{30807}^{-1}	13/03/2014	p30807_1.cpl	NO	
059	wi00989828	TSS1 • 10F1	p31836 1	13/03/2014	p31836 1 cpl	NO	
000	w100000020	1001.1001	p31000_1	12/02/2014	p31030_1.cp1	NEC	
060	W101039466	1551:10F1	p32209_1	13/03/2014	p32209_1.cp1	IES	
061	w10103/9/5	ISSI:IOFI	p3222/_1	13/03/2014	p3222/_1.cp1	YES	
062	wi01015780	ISS1:10F1	p32083_1	13/03/2014	p32083_1.cpl	NO	
063	wi01016398	ISS1:10F1	p32019_1	13/03/2014	p32019_1.cpl	NO	
064	wi01037234	ISS1:10F1	p32220 1	13/03/2014	p32220 1.cpl	NO	
065	wi01008106	ISS1:10F1	p31861 1	13/03/2014	p31861 1.cpl	NO	
066	wi01001938	TSS1:10F1	p31921_1	13/03/2014	p31921_1.cpl	YES	
067	wi01031571	TSS1 • 10F1	p32158 1	13/03/2014	p32158 1 cpl	NO	
0.69	wi01001071	1001.1011	p32130_1	12/02/2014	p32130_1.cp1	NO	
000	W100905297	1551:10F1	p31195_1	13/03/2014	p31195_1.cp1	NO	
069	W101041545	ISSI:IOFI	p32236_1	13/03/2014	p32236_1.cp1	YES	
070	wi00965009	ISS1:10F1	p31600_1	13/03/2014	p31600_1.cpl	NO	
071	wi01044845	ISS1:10F1	p31739_1	13/03/2014	p31739_1.cpl	NO	
072	wi01034420	ISS1:10F1	p31584 1	13/03/2014	p31584 1.cpl	NO	
073	wi01021598	ISS1:10F1	p32066 1	13/03/2014	p32066 1.cpl	NO	
074	wi01011078	TSS1:10F1	p31996_1	13/03/2014	p31996 1.cpl	NO	
075	wi01020587	TSS1 • 10F1	$p32097_1$	13/03/2014	p32097 1 cpl	NO	
075	wi01020307	1001.1001	p32097_1	12/02/2014	p32037_1.cp1	NU	
070	WIUIU42203	1551:10F1	p32230_1	12/02/2014	p32230_1.cp1	ILS	
077	W101039170	ISSI:IOFI	p32207_1	13/03/2014	p3220/_1.cp1	YES	
078	wi01075022	ISS1:10F1	p32519_1	13/03/2014	p32519_1.cpl	NO	
079	wi01050057	ISS1:10F1	p32286_1	13/03/2014	p32286_1.cpl	NO	
080	wi00837538	ISS1:10F1	p30568_1	13/03/2014	p30568_1.cpl	NO	
081	wi01034774	ISS1:10F1	p32173 1	13/03/2014	p32173 1.cpl	NO	
082	wi01074096	ISS1:10F1	p32080_1	13/03/2014	p32080 1.cpl	NO	
083	wi01044868	TSS1:10F1	p32261_1	13/03/2014	p32261_1.cpl	NO	
084	wi01011000	TGG1 • 1 OF1	p31577_1	13/03/2014	p31577 1 cp1	NO	
001	w100000002	1001.1011	p31377_1	12/02/2014	p313/7_1.cp1	NO	
005	W100024237	1551:10F1	p30447_1	13/03/2014	p30447_1.cp1	NO	
086	w101039099	ISSI:IOFI	p32269_1	13/03/2014	p32269_1.cp1	NO	
087	wi01016303	ISS1:10F1	p32031_1	13/03/2014	p32031_1.cpl	NO	
088	wi01014478	ISS1:10F1	p32301_1	13/03/2014	p32301_1.cpl	NO	
089	wi01044873	ISS1:10F1	p31749 1	13/03/2014	p31749 1.cpl	NO	
090	wi00981711	ISS1:10F1	p31766_1	13/03/2014	p31766 1.cpl	NO	
091	wi01000796	ISS1:10F1	p31800 1	13/03/2014	p31800 1.cpl	NO	
0.92	wi00967514	ISS1 • 10F1	p31351 1	13/03/2014	p31351 1 cpl	NO	
092	wi000007011	1001.1011 1991.10F1	p32008 1	13/03/2011	p32008 1 cpl	NO	
095	w101012030	1551.1011	p32000_1	12/02/2014	p32000_1.cp1	NO	
094	WI01012229	1551:10F1	p31995_1	13/03/2014	p31393_1.cp1	NO	
095	W101027702	1551:10F1	p32140_1	13/03/2014	p32140_1.cp1	NO	
096	wi01020752	ISS1:10F1	p32108_1	13/03/2014	p32108_1.cpl	NO	
097	wi01042755	ISS1:10F1	p31667_1	13/03/2014	p31667_1.cpl	NO	
098	wi01112402	ISS1:10F1	p32866_1	13/03/2014	p32866_1.cpl	NO	
099	wi01003814	ISS1:10F1	p31940 1	13/03/2014	p31940 1.cpl	NO	
100	wi01013144	ISS1:10F1	p31929_1	13/03/2014	p31929 1.cpl	NO	
101	wi01005653	TSS1:10F1	p31952_1	13/03/2014	p31952 1.cpl	NO	
102	wi01033550	TSS1 • 10F1	$p01502_1$	13/03/2014	p31565 1 cpl	NO	
102	wi01027600	1001.1011	p31850_1	13/03/2014	p31850 1 cp1	NO	
103	w101027009		p31100_1	12/02/2014	p31120_1.cpl	NO	
104	WI00897279	1551:10F1	p31129_1	13/03/2014	p31129_1.cpl	NO	
105	w101040531	1551:10F1	p32218_1	13/03/2014	p32218_1.cpl	NO	
106	wi00875425	ISS1:10F1	p30943_1	13/03/2014	p30943_1.cpl	NO	
107	wi01011113	ISS1:10F1	p32054_1	13/03/2014	p32054_1.cpl	NO	
108	wi01003999	ISS1:10F1	p31946 1	13/03/2014	p31946 1.cpl	YES	
109	wi01051786	ISS1:10F1	p32296 1	13/03/2014	p32296 1.cpl	YES	
110	wi00993743	ISS1:10F1	p31865_1	13/03/2014	p31865 1.cpl	NO	
111	wi00967505	ISS1:10F1	p31491 1	13/03/2014	p31491 1.cpl	NO	
112	wi01008505	ISS1 • 10F1	p31968_1	13/03/2014	p31968 1 cp1	NO	
113	wi01034400	1991.1011	p_{29708}^{1}	13/03/2014	p29708 1 cp1	NO	
TTO	WI01004409	TOOT.TOLT	P29100 1	10/00/2014	P22100 1.CP1		

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114	wi01031825	ISS1:10F1	p31882 1	13/03/2014	p31882 1.cpl	NO
115	wi01010472	ISS1:10F1	p31975_1	13/03/2014	p31975 1.cpl	NO
116	wi01020043	ISS1:10F1	p32055_1	13/03/2014	p32055 1.cpl	NO
117	wi01001588	ISS1:10F1	p31976_1	13/03/2014	p31976 1.cpl	NO
118	wi01028650	TSS1:10F1	p32188_1	13/03/2014	p32188 1.cpl	NO
119	wi01040096	ISS1 • 10F1	$p322100_1$	13/03/2014	p32214 1 cpl	NO
120	wi01022466	ISS1 • 10F1	p_{32205} 1	13/03/2014	p32205 1 cpl	NO
121	wi00977002	ISS2.10F1	p30786_2	13/03/2014	p30786_2_cpl	NO
122	wi01042797	TSS2.1011 TSS1.10F1	p32089_1	13/03/2014	p32089 1 cpl	NO
122	wi01012737	1001.1011 1991.10F1	p_{31441}	13/03/2014	p31441 1 cpl	NO
124	wi01051024	ISS1.10F1	p_{322901}	13/03/2014	p31111_1.cp1	NO
125	wi00967510	ISS1.10F1	p_{311471}	13/03/2014	p31147 1 cpl	NO
126	wi00854415	1001.1011 1991.10F1	p31593 1	13/03/2014	p30593 1 cpl	NO
127	wi000051115	1001.1011 1991.10F1	p30892_1	13/03/2011	p30892 1 cp1	VEC
128	wi01122145	ISSI:10F1	$p30052_1$	13/03/2014	$p_{32944} = 1.cp_{1}$	NO
120	wi01022143	ISSI:10F1	$p_{32}_{44}_{1}$	13/03/2014	p32297 1 cpl	NO
130	wi01052217	ISSI:10F1	p32237_1	13/03/2014	pJZZJ7_1.cp1	NO
121	wi00050595	1331.10F1	p1/300_1	13/03/2014	p17300_1.cp1	NO
132	wi00930373	1331.10F1	p_{32590} 1	13/03/2014	$p_{32590} 1 cp_{1}$	NO
122	wi01001099	1331.10F1	p32590_1	13/03/2014	p32590_1.cp1	NO
124	w100959284	1331.10F1	p31706 1	13/03/2014	p31331_1.cp1	NO
135	WT00904904	ISSI.10F1	p_{31}^{-1}	13/03/2014	p31625 1 cp1	NO
126	W100033473	1331.10F1	p30023_1	12/02/2014	p30025_1.cp1	NO
127	WI01097003	1351.10F1	p3101/_1	12/02/2014	p3101/_1.cp1	NO
120	WIUIUJ2003	1551:10F1	p32304_1	12/02/2014	p32304_1.cp1	NO
120	WI01030374	1551:10F1	p30371_1	12/02/2014	p30371_1.cp1	NO
140	WI00079520	1551:10F1	p31007_1	12/02/2014	p31007_1.cp1	NO
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141	WI00927321	1551:10F1	p31200_1	12/02/2014	p31200_1.Cp1	ILS
142	W101060240	1551:10F1	p32301_1	12/02/2014	p32301_1.cp1	NO
143	W1009/5659	1551:10F1	p31/0/_1	13/03/2014	p31/0/_1.cp1	NO
144	WIUIIIJ//J	1551:10F1	p32094_1	12/02/2014	p32694_1.cp1	NO
145	W100834382	1551:10F1	p30548_1	13/03/2014	p30548_1.cp1	NO
140	WIUII23229	1551:10F1	p32952_1	12/02/2014	p32952_1.Cp1	NU
14/	WIUIII2017	1551:10F1	p32009_1	12/02/2014	p32009_1.cp1	ILS
148	W101081427	1551:10F1	p32/30_1	13/03/2014	p32/36_1.cp1	NO
149	WIUIU/5015	1551:10F1	p32518_1	13/03/2014	p32518_1.cp1	NO
150	WI00097002	1551:10F1	p31124_1	12/02/2014	p31124_1.Cp1	NO
152	W100009700	1551:10F1	p30730_1	12/02/2014	p30730_1.cp1	NO
152	WI0007/30/	1551:10F1	p30554_1	12/02/2014	p30554_1.cp1	NO
153	W100836292	1551:10F1	p30554_1	13/03/2014	p30554_1.cp1	NU
154	W100924000	1551:10F1	p31002_1	12/02/2014	p31062_1.cp1	ILS
155	WIUIIU/140	1551:10F1	p32027_1	12/02/2014	p32027_1.cp1	NO
157	WIUIUJJJZJ	TGG1.1OF1	p32322_1	13/03/2014	p30618 1 cp1	NO
150	WI00041900	TGG1.1OF1	p_{31664}	13/03/2014	p31664 1 cp1	VEC
150	wi00909090	TGG1 · 1 OF1	p31004_1	13/03/2014	p31276 1 cp1	NO
160	WI0093/0/2	TGG1 · 1 OF1	p_{31262} 1	13/03/2014	p31362 1 cp1	NO
161	wi01106657	TSSI:IUFI TSSI:IOFI	$p_{3_{2}} p_{3_{2}} p_{3$	13/03/2014	p31302_1.cpl	NO
162	wi00865477	ISSI.IUFI ISSI.10F1	p_{32012}_{1}	13/03/2014	p30894 1 cp1	VES
163	wi000004//	TGG1 • 1 OF 1	p_{316034}	13/03/2014	p31603 1 cp1	NO
164	w100991323	TGG1 · 1 OF1	p_{32701}	13/03/2014	p32701 1 cp1	NO
165	wi01070050	TGG1 · 1 OF1	$p_{32/75}^{-1}$	13/03/2014	p32/01_1.cp1	NO
166	WI01070959	TSSI.IUFI	p_{32473}_{1}	13/03/2014	p32475_1.cpl	NO
167	wi01078718	ISSI.10F1	p_{32553}^{-1}	13/03/2014	$p_{32553} \pm cp_{10}$	NO
168	wi01065226	ISS1 • 10F1	p_{32461}	13/03/2014	p32461 1 cp1	NO
160	wi01000220	TGG1 • 1 OF 1	p313401_1	13/03/2014	p31340 1 cp1	NO
170	wi0100909470	TSSI.IUFI	$p_{31340}1$	13/03/2014	p31340_1.Cpl	VES
171	wi01093052	ISSI.10F1	p_{32640} 1	13/03/2014	$p_{32}^{+}, q_{32}^{-}, c_{p1}^{-}$	NO
172	wi0083529/	ISS1 • 10F1	$p_{32040}1$	13/03/2014	$p_{30565} 1 cp_{1001}$	NO
173	wi01052294	ISS1 • 10F1	p_{30303}_{1}	13/03/2014	p32303 1 cp1	NO
174	wi0083913/	ISS1 • 10F1	p30698 1	13/03/2014	p30698 1 cp1	YES
175	wi01078513	ISS1:10F1	p_{32549}^{-1}	13/03/2014	p32549 1 cpl	NO
			POLO 10 1	//		

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176	wi01097775	ISS1:10F1	p32788 1	13/03/2014	p32788 1.cpl	NO
177	wi00869243	ISS1:10F1	p30848_1	13/03/2014	p30848 1.cpl	NO
178	wi01099871	ISS1:10F1	p32412_1	13/03/2014	p32412 1.cpl	NO
179	wi00968448	ISS1 • 10F1	p31648_1	13/03/2014	p31648 1 cpl	YES
180	wi01123222	ISS1 • 10F1	$p32975_1$	13/03/2014	p32975 1 cpl	NO
181	wi00959463	1001.1011 1991.10F1	p_{31528} 1	13/03/2014	p31528 1 cpl	NO
182	wi00909405	1991.10F1	p31006_1	13/03/2014	p31006 1 cpl	NO
183	wi00000000	iss1.10f1	p_{32713}^{-1}	13/03/2014	p32713 1 cp1	NO
100	wi01094404	1551.1011	p32/13_1	13/03/2014	p32/15_1.cp1	NO
104	wi01129030	1331.10F1	p31204_1	13/03/2014	p31204 1 cpl	NO
105	wi01006066	1331.1011	p31294_1	13/03/2014	p31294_1.cp1	NO
100	WI01090900	1551:10F1	p32735_1	12/02/2014	p32735_1.cp1	NO
100	WI00927300	1551:10F1	p30999_1	13/03/2014	p30999_1.cp1	NO
100	WIUIII8658	1551:10F1	p32921_1	13/03/2014	p32921_1.cp1	NO
189	W101122006	1551:10F1	p32951_1	13/03/2014	p32951_1.cp1	NO
190	W100880836	1551:10F1	p30976_1	13/03/2014	p309/6_1.cp1	NO
191	wi01105033	ISS1:10F1	p32806_1	13/03/2014	p32806_1.cpl	YES
192	wi00897176	ISS1:10F1	p30418_1	13/03/2014	p30418_1.cpl	NO
193	wi00968353	ISS1:10F1	p31412_1	13/03/2014	p31412_1.cpl	NO
194	WI01092792	ISS1:10F1	p32699_1	13/03/2014	p32699_1.cpl	NO
195	wi01093666	iss1:1of1	p32704_1	13/03/2014	p32704_1.cpl	NO
196	wi00895181	ISS1:10F1	p31106_1	13/03/2014	p31106_1.cpl	NO
197	wi01132049	ISS1:10F1	p33023_1	13/03/2014	p33023_1.cpl	NO
198	wi01079788	ISS1:10F1	p32569_1	13/03/2014	p32569_1.cpl	NO
199	wi00838073	ISS1:10F1	p30588_1	13/03/2014	p30588_1.cpl	NO
200	wi00862574	iss1:1of1	p30870_1	13/03/2014	p30870_1.cpl	NO
201	wi00930649	ISS1:10F1	p31570_1	13/03/2014	p31570_1.cpl	NO
202	wi00962211	ISS1:10F1	p31580_1	13/03/2014	p31580_1.cpl	NO
203	wi00964006	ISS1:10F1	p31595_1	13/03/2014	p31595 1.cpl	YES
204	wi01089515	ISS1:10F1	p32665 ⁻ 1	13/03/2014	p32665 ¹ .cpl	YES
205	wi01077638	ISS1:10F1	p32541 1	13/03/2014	p32541 1.cpl	NO
206	wi00981928	ISS1:10F1	p31869_1	13/03/2014	p31869 1.cpl	NO
207	wi00969208	ISS1:10F1	p31656_1	13/03/2014	p31656 1.cpl	NO
208	wi01074191	ISS1:10F1	p32509 1	13/03/2014	p32509 1.cpl	NO
209	wi00984888	ISS1:10F1	p31795_1	13/03/2014	p31795 1.cpl	NO
210	wi00932204	ISS2:10F1	p31305_2	13/03/2014	p31305 2.cpl	NO
211	wi00945997	TSS1:10F1	p31641_1	13/03/2014	p31641 1.cpl	NO
212	wi01088825	ISS1:10F1	p32660 1	13/03/2014	p32660 1.cpl	NO
213	wi01060101	ISS1 • 10F1	p_{323801}	13/03/2014	p32380 1 cpl	NO
214	wi01067346	ISS1 • 10F1	p_{32445}^{1}	13/03/2014	p32445 1 cpl	NO
215	wi01068602	TSS1.10F1	p_{324591}	13/03/2014	p32459 1 cpl	NO
215	wi00863876	1991.10F1	$p_{30787}1$	13/03/2014	p30787 1 cpl	NO
217	wi00000070	1331.10F1 TGG1.10F1	p30707_1	13/03/2014	p31897 1 cp1	NO
210	w100990121	1001.1011	p_{32650}	13/03/2014	p31097_1.cp1	NO
210	WI01000//3	TGG1.10F1	p_{32039}_{1}	13/03/2014	p31202 1 cp1	NO
220	wi0000022	TCC1.1OF1	p31202_1	13/03/2014	p31307 1 cm	NO
220	W100980476	ISSI:IUFI	$p_{3130/1}$	13/03/2014	p31307_1.cpl	NU
221	wi00000000004	ISSI:IUFI	p320/4_1	13/03/2014	p32074_1.cp1	I LO NO
222	WI00030102	ISSI:IUFI	p30450_1	13/03/2014	p30430_1.cpl	NO
223	WIUU839821	ISSI:IUFI	p30619_1	12/02/2014	p30673_1.cpl	NO
224	W100856702	1551:10F1	p305/3_1	12/02/2014	p305/3_1.cpl	NO
225	W1008/1969	ISSI:10F1	p30/68_1	13/03/2014	p30/68_1.cpl	NO
226	W101086735	ISSI:10F1	p32638_1	13/03/2014	p32638_1.cpl	YES
227	w101055861	ISSI:10F1	p32327_1	13/03/2014	p3232/_1.cpl	NO
228	wi00967512	ISS1:10F1	p31384_1	13/03/2014	p31384_1.cpl	NO
229	wi01093338	ISS1:10F1	p32706_1	13/03/2014	p32706_1.cpl	YES
230	wi01050334	ISS1:10F1	p32399_1	13/03/2014	p32399_1.cpl	NO
231	wi01099720	ISS1:10F1	p32742_1	13/03/2014	p32742_1.cpl	YES
232	wi00957235	ISS1:10F1	p31798_1	13/03/2014	p31798_1.cpl	NO
233	wi00921295	ISS1:10F1	p31265_1	13/03/2014	p31265_1.cpl	NO
234	wi01118324	ISS1:10F1	p32916_1	13/03/2014	p32916_1.cpl	NO
235	wi01121495	ISS1:10F1	p32973_1	13/03/2014	p32973_1.cpl	NO
236	wi00842409	ISS1:10F1	p30621_1	13/03/2014	p30621_1.cpl	NO
237	wi00943748	ISS1:10F1	p31516_1	13/03/2014	p31516 1.cpl	NO

PG; Reviewed SPOC 06/04/14

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238	wi01062831	iss1:1of1	p32404 1	13/03/2014	p32404 1.cpl	NO
239	wi00860279	ISS1:10F1	p30789_1	13/03/2014	p30789 1.cpl	NO
240	wi01093978	ISS1:10F1	p32778_1	13/03/2014	p32778 1.cpl	NO
241	wi00960809	ISS1:10F1	p31564_1	13/03/2014	p31564 1.cpl	NO
242	wi01107629	ISS1:10F1	p32821 1	13/03/2014	p32821 1.cpl	NO
243	wi00985153	ISS1:10F1	p31859_1	13/03/2014	p31859 1.cpl	NO
244	wi01094793	ISS1:10F1	p32716 ⁻ 1	13/03/2014	p32716 ¹ .cpl	NO
245	wi00994044	ISS1:10F1	p31871 ⁻ 1	13/03/2014	p31871 ¹ .cpl	NO
246	wi00955753	ISS1:10F1	p31733 ⁻ 1	13/03/2014	p31733 ¹ .cpl	NO
247	wi01062767	ISS1:10F1	p32400_1	13/03/2014	p32400 1.cpl	NO
248	wi00897096	ISS1:10F1	p30676_1	13/03/2014	p30676 1.cpl	NO
249	wi00856410	ISS1:10F1	p30749_1	13/03/2014	p30749_1.cpl	NO
250	wi00840590	ISS1:10F1	p30767_1	13/03/2014	p30767_1.cpl	NO
251	wi00843623	ISS1:10F1	p30731_1	13/03/2014	p30731 1.cpl	YES
252	wi01067663	ISS1:10F1	p32447_1	13/03/2014	p32447 1.cpl	YES
253	wi01079441	ISS1:10F1	p32564_1	13/03/2014	p32564_1.cpl	NO
254	wi00949410	ISS1:10F1	p31248_1	13/03/2014	p31248_1.cpl	NO
255	wi00886321	ISS1:10F1	p31009_1	13/03/2014	p31009 1.cpl	NO
256	wi01094835	iss1:1of1	p32718_1	13/03/2014	p32718 1.cpl	NO
257	wi01068149	ISS1:10F1	p32454_1	13/03/2014	p32454_1.cpl	NO
258	wi01091939	ISS1:10F1	p32364_1	13/03/2014	p32364_1.cpl	NO
259	wi01046740	ISS1:10F1	p32382_1	13/03/2014	p32382_1.cpl	NO
260	wi01069871	ISS1:10F1	p32467_1	13/03/2014	p32467_1.cpl	NO
261	wi01113711	ISS1:10F1	p32877_1	13/03/2014	p32877_1.cpl	NO
262	wi00965838	ISS1:10F1	p31623_1	13/03/2014	p31623_1.cpl	NO
263	wi00996639	ISS1:10F1	p31886_1	13/03/2014	p31886_1.cpl	NO
264	wi00906163	ISS1:10F1	p31205_1	13/03/2014	p31205_1.cpl	NO
265	wi01062070	ISS1:10F1	p32398_1	13/03/2014	p32398_1.cpl	NO
266	wi00930864	ISS1:10F1	p31325_1	13/03/2014	p31325_1.cpl	NO
267	wi00884699	ISS1:10F1	p31000_1	13/03/2014	p31000_1.cpl	YES
268	wi00857566	ISS1:10F1	p30766_1	13/03/2014	p30766_1.cpl	NO
269	wi01114694	ISS1:10F1	p32885_1	13/03/2014	p32885_1.cpl	NO
270	wi00991892	ISS1:10F1	p31853_1	13/03/2014	p31853_1.cpl	NO
271	wi00859499	ISS1:10F1	p30694_1	13/03/2014	p30694_1.cpl	NO
272	wi01071562	ISS1:10F1	p32484_1	13/03/2014	p32484_1.cpl	NO
273	wi00857362	ISS1:10F1	p30782_1	13/03/2014	p30782_1.cpl	NO
MDP>	LAST SUCCESSF	UL MDP REFRESH :2	013-01-14 21	:08:59(Local	Time)	
MDP>	USING DEPLIST	ZIP FILE DOWNLOA	DED :2013-01	-11 11:29:20	(est)	

Appendix B

Avaya Communication Server 1000E D-Channel for SIP Trunks

>ld 22
REQ prt
TYPE adan dch 1
ADAN DCH 1
CTYP DCIP
DES SIPL
USR ISLD
ISLM 4000
SSRC 3700
OTBF 32
NASA NO
IFC SL1
CNEG 1
RLS ID 25
RCAP
MBGA NO
Н323
OVLR NO
OVLS NO

Avaya Communication Server 1000E SIP Route

>ld 21	
REQ: prt	
TYPE: rdb	
CUST 0	
ROUT 22	
TYPE RDB	
CUST 00	
ROUT 22	
DES SIPTRK	
TKTP TIE	
M911P NO	
ESN NO	
RPA NO	
CNVT NO	
SAT NO	
RCLS EXT	
VTRK YES	
ZONE 00066	
PCID SIP	
CRID YES	
SBWM NO	
NODE 111	
DTRK NO	
ISDN YES	
MODE ISLD	
DCH 1	
IFC SL1	
PNI 00001	
NCNA YES	
NCRD YES	
TRO YES	
FALT NO	

INAC NO ISAR NO MEXR NO PTVF ATT AUTO NO NO DCDS NO CADD NO DCDS NO DCDS NO SRCE LIN TCPP NO PTVP NO TRMP YES STEP ACOD SO22 TCPP NO PTVT AUXP NO AUXP NO AUXP NO AUXP NO AUXP NO AUXP NO CABS S FUN NO CABS STEP SON STEP STEP SON STEP STEP SON STEP GOTS 1922 S LOXP NO S	CAA5 IIRMN
ISAR NO DREV NO MEXE NO <td< td=""><td></td></td<>	
LARK NO MEXAR NO DATE NO ACOD BO22 CELEN 1 TRME YES STEF ACOD BO22 CELEN 1 FIL NO ACUX2 NO TARG CELEN 1 BILN NO CADE STD CADE STD STGO 0 * DCNO 0 * DCNO 0 * DCNO 1 * DCNO 1 * DCNO 1 * DCNO 1 * DCN 1 * DCN 1 *	
DAPC NO HEXEN NO HEXEN VEA HEXEN VEA HEXEN VEA HEXEN VEA HEXEN VEA HEXEN VEA AUTO NO DEDE VIEA AUTO NO STEP STEP STEP STEP STEP STEP AUTO NO STEP STEP STEP AUTE NO AUTE NO AUTE NO OABE INST INST INC NO DENO O * NENO O DENO O * NENO O DENO O * NENO O DENO O * NENO O DENO O * DENO O * <td></td>	
PARKA NO PBXOT NFA PBXOT NFA PBXOT NFA PBXOT NFA PBXOT NFA PHYP ATT CNDP UXWN AUTO NO DNIS NO DCOR NO PARKA TARKA AUTO NO DANS NO COD ROC2 TAMS ACOD 8022 CTEP NO FII NO AUXP NO TAK6 CLIN 1 SILN NO OADS DCN O	DAPC NO
MEXT 0 PTYP ATT CONP UKWN AUTO NO DTUS NO DCDR NO CCR NO CCR NO CCR TAO SRCH LIN TYME YES STEP ACOD 8022 TCFF NO PTYP NO AUXP NO AUXP NO AUXP NO CLSN 1 BILN NO CASS CLSN 1 DC NO CASS STCO STD STYP SDAT MO ANTK STCO STD STYP SDAT HCC NO CCF 1920 CCF 1920	MBXR NO
MBKT 0 PTYP ATT CNNF UKWN AUTO NO DNTS NO DTS NO DTS NO DTS NO DTS NO DTS NO TCGE NO TCGE NO TCGE NO TCFP NO ATTP NO ATTP TT NO ATTP TT NO ATTP TT NO ATT TCFP NO CLEN 1 ETT NO ATT TCFP NO CLEN 1 ETT NO ATT TCF NO CLEN 1 ETT STAT MCC CLEN 1 ETT STAT MCC CLEN 1 ETT STAT MCC CLEN 1 ETT STAT MCC CLEN 1 ETT STAT MCC CLEN 1 ETT STAT MCC ETT STAT TCF STAT MCC ETT STAT MCC MCC STAT STAT MCC STAT STAT MCC STAT STAT MCC STAT ST	MBXOT NPA
PTYP ATT CNOP UKWN AUTO NO DYIS NO DYIS NO DCRE NO SRCH LIN TRMB YES STPF AUTO 0022 TCPP NO PIL NO AUXP NO TARG CLRN 1 PILN NO CACD 8022 CLRN 1 PILN NO CARG CLRN 1 PILN NO CARB S TINST DCC NO CARD 82 TINST TDC NO CARD 82 TOTO 0 CARD 82 TOTO 0 CARD 82 TOTO 0 CARD 92 GOT 1920 CARD 92 CT 1920 CARD 92 CT 256 DD1 70 OT 4036 SPRP 800 NRS 94 NRD 94 NRD 94 NRD 94 NRD 94 NRD 94 </td <td>MBXT 0</td>	MBXT 0
CNDP URMN ANTO NO DNIS NO DONIS NO DONIS NO DCCR NO ICOC TAO RECH LIN TRME YES STEP ACOD R022 CIDE NO PUTP NO ANFE NO TARE CLEN I BILN NO OABS INST DCNO 0 * DCNO 0 * DCNO 0 * DNDNO 0 DEXT NO ANTK STCO STD STYP SDAT MPC NO TOR 1CF 1920 EOD 13952 LCT 256 DST 39444 NRD 10112 DDL 70 ODT 4036 GTO 896 STPB 3 PRTR 800 NBS 2048 NBIL 4096 IERB 5 TFD 0 RTO 70 VSS 0 VSS 0 VSS 0 <	PTYP ATT
AUTO NO DNIS NO DCR NO CCR TAO SRCH LIN TRME YES STEP ACOD 8022 TCPP NO PTI NO AUXP NO TARG CLEN 1 BILN NO OABS INST IDC NO CLEN 0 STIN DC NO DCNO 0 NO DCNO 0 STYP SDAT MFC NO CLEN 1 DC NO DCNO 0 STYP SDAT MFC NO CLEN 1 DC NO CLEN 1 DC NO CLEN 1 DC NO CLEN 1 DC NO CLEN 1 DC NO CLEN 1 DC NO CLEN 1 STYP SDAT MFC NO STYP SDAT MFC NO STYP SDAT MFC NO STYP SDAT MFC NO STYP SDAT STYP SDAT	CNDP UKWN
NNE NO DCCR NO SRCH LIN TRMB YES STEP ACCO 8022 TCPP NO PTI NO AUKP NO TARC CLSN 1 BILN NO OABS TINT TDC NO CON 0 * NNR0 0 DEXT NO ANTR SIGS STD STYP SDAT MFC NO CIS YES OGIS YES PTOT 0 TIRK ICF 1920 OGF YES OGIS YES LCT 256 DSI 349444 NRD 10112 DDI 70 ODT 4096 RCV 640 GTO 896 STF 5 0 NBL 2048 NBL 4096	AUTO NO
DCDR NO ICOG TAO SRCH LIN TRMB YES STEF ACOD 8022 TCPP NO PTI NO AUXE NO CLEN 1 BTLN NO CABS INST IDC NO DCNO 0 * NDNO 0 DEXT NO ANTK STTP SDAT MFC NO ICIS YES OCIS YES OCIS YES OCIS YES DT INE ICF 1920 OCF 1920 DCF 1920	DNIS NO
ICOG TAG SRCH LIN TRMB Y2S STEP STEP STEP STEP ACOD 8022 TCPP NO HIN NO AUXP NO TARG CLEN 1 HIN NO CABS INST IDC NO O * NONO O * NONO O * NONO O * NONO DEXT NO AVYR SIGO STD STYP SDAT MFC NO CCF 1920 COF 1	
CUS IAU TRMB YES STEP ACD 8022 CCPP NO PII NO AJXP NO TARG CLEM 1 BILN NO OABS INST DCN 0 * DDE NO DEXT NO ANTK STOS STD STYP SDAT MPC NO OGS YES PUT0 TINK ICF 1920 OGF 1920 OBI 34944 NRD NBL 4095 IENN 5 TFD 0 NBL 4095 IENN 5 TFD 0 RES 5 0 VSD 6 EESD	
SRCH DIM TRME YES STEF STEF STEF ACDD 8022 TCPP NO FII NO AUXP NO Standard Standa	
IRON IES ACDD 8022 ACDD 8022 PTI NO ATME NO TRAG CLEN 1 BLIN NO OABS INST DCN 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO CIS YES PUTU 0 TIRR ICF 1920 GOT 1920 GOT 1920 COT 1920 ODT 4096 RGV 640 GT0 0DT 4096 RGV 640 GT0 896 GT1 896 SFB 3 PRF8 800 NBS 2048 NBL 4096 IENS 5 TFD 0 RTD 12 VGD 6 EEEED 1024 SST 5.0 VGD 6 EEEED 1024	
STEP ACOD 8022 TCPP NO PTI NO AUXP NO TARG CLEM 1 BTLN NO OABS INST DCN 0 NON 0 DDN0 0 NDN0 0 DEXT NO AWTK SIGO STD STYP SDAT MFC NO GGE STD STYP SDAT MFC NO OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4095 RGV 640 GTO 896 GTI 896 SFB 3 PRES 800 NBS 2048 NBL 4096 IENN 5 TFD 0 RTD 12 VGD 6 EESD 1024 SST 5 0 DTN NO SCDT NO PTN NO	
ACOD 8022 PIT NO AUXP NO TARG CLEN 1 BILN NO OABS INST IDC NO CENO 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO ICIS YES OGIS YES OGIS YES OGIS YES OGIS YES ICI 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFE 3 FRES 800 NES 2048 NEL 4096 IENE 5 TFD 0 RTD 12 VGD 6 EDD 13982 ICI 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFE 3 FRES 800 NES 2048 NEL 4096 IENE 5 TFD 0 RTD 12 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO	STEP 2000
TUPP NO AUXP NO AUXP NO TARG CLEN 1 BILM NO OABS INST IDC NO DEXT NO ANTK SIGO STD STYP SDAT MFC NO TOIS YES OGIS YES OGIS YES OGIS YES OGIS YES FUTU 0 TIME ICF 1920 COF 1920	
PIT NO AUXP NO TARG CLEN 1 BILN NO OABS INST IDC NO CCNO 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO ICIS YES OGIS YES PTUT 0 TIMR ICF 1920 EGD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 CTO 896 SFB 3 PRFS 800 NES 2048 NEL 4096 IENB 5 TFD 0 RTD 12 VGD 6 EESD 1024 SST 5 0 PTD NO SCUT NO 2 DD NO SCUT NO	TCPP NO
AUXP NO TARG CLEN 1 BILN NO OABS INST DEC NO DCNO 0 * DDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MPC NO OGIS YES PTUT 0 TIMR ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DL 70 OFT 4096 GTN 896 GFB 3 PHPS 800 NBS 2048 NBL 4096 IEND 5 TFD 0 RTD 12 VGD 6 EESD 1024 SST 5 0 DTD NO NEDC OKS	PII NO
TARG CLEN 1 BILN NO OABS INST IDC NO CCNO 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO ICIS YES OCIS YES PTUT 0 TIMR ICF 1920 OCF 1920 OCF 1920 OCF 1920 OCF 1920 DI 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 OT 4036 RCV 640 CTO 896 CTI 896 SFE 3 PTPS 800 NBS 2048 NBL 4096 IEND 5 TFD 0 RTP 0 RTP 12 VSS 0 VCD 6 ESD 1024 SST 5 0 TTD NO SCDT NO SCDT NO SCDT NO	AUXP NO
CLEN 1 FILM NO OABS INST IDC NO DCNO 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO ICIS YES OGIS YES OGIS YES OGIS YES DDL 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 OT 4096 RCV 640 CTO 896 GTI 896 SFB 3 PFPS 800 NES 2048 NEL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 TDD NO SCDT NO 2 DT NO	TARG
BILN MO CABS INST IDC NO DCN0 0 * NDN0 0 DEXT NO ANTK SIG0 STD STYP SDAT MFC NO IGIS YES PTUT 0 TIMR ICF 1920 COF 1920 DOI 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 OTF 4936 RGV 640 GTO 896 GTI 896 SFB 3 PFNS 200 NBN 5 TFD 0 REN 800 NBS 2048 NBL 4096 INSH 4096 INSH 5 TFD 0 REN 1024 SST 5 0 VCD 6 ESSD 1024 SST 5 0 NDN 5 SCT NO SEDC NG	CLEN 1
OABS INST INST IDC DCNO 0 * DDNO DEXT NO DEXT ANTK SIGO STYP NTK NO ICT GGIS EOD 13952 LCT DDI TOT OCT AVAK NRD 10112 DDL DDL OT AV66 GT SYP NBS 2048 NBL NBL VGD EESD 1024 SST <	BILN NO
INST IDC NO DCNO 0 * NDNO 0 DEXT NO ANTK SIGO STD STYP SDAT MCC NO ICIS YES PTUT 0 TIME ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GT0 896 GT1 896 SFE 3 PRFS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VCD 6 EESD 1024 SST 5 0 TDM NO	OABS
I IDC NO DCNO 0 * NNNO 0 DEXT NO ANTK SIGO STD STYP SDAT MFC NO I CIS YES OGIS YES OGIS YES OGIS YES PTUT 0 TIMR ICF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRES 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EEBD 1024 SST 5 0 TDD NO SCDT NO 2 DT NO NEDC ORG	INST
DCN0 0 NDN0 0 DEXT N0 ANTK SIG0 STD STYP SDAT MCC N0 ICIS YES OGIS YES PTUT 0 TIMR ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 GTI 896 SFB 3 PRPS 800 NBL 4096 IENE 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO ZDT NO	IDC NO
NDNO 0 DEXT NO ANTK SIGO SIGO STD STYP SDAT MMC NO ICIS YES OGIS YES PTUT 0 TIMR ICF 1920 EOD EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 SFB 3 PRPS 800 NBL 4096 IEMB 5 TFD 0 RTD 12 VSS 0 VSD 0 ST 5 DTD NO SCDT NO NEDC ORG	DCNO 0 *
DEXT NO ANTK SIGO STD SITY SDAT MCC NO ICIS YES OGIS YES PTUT 0 TIMR ICF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 SCDT NO SCDT NO SEDC ORG	NDNO 0
ANTK SIGO STD STYP SDAT MFC NO ICIS YES PTUT 0 TIMR ICF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO	DEXT NO
SIGO STD STYP SDAT MFC NO ICIS YES OGIS YES PTUT 0 TIMR ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO Z DT NO	
STYP SDAT MFC NO ICIS YES PTUT 0 TIMR ICF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 EESD 1024 SFT 5 0 VGD 6 EESD 1024 SFT 5 0 DTD NO SCDT NO Z DT NO	
SITE SDAT MFC NO ICTS YES PTUT 0 TIMR ICF 1920 OGF 0GF 1920 CDD 3352 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GT0 896 GTI 896 GTI 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO NEDC ORG	
MIC NO ICIS YES PTUT 0 TIMR ICF 1920 COF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GT0 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	
1115 HES OGIS YES PTUT 0 TIMR ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 GTO 896 GTI 896 SFB 3 PRPS 800 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO NEDC ORG	
OGIN YES PTUT 0 TIMR ICF 1920 OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 OTT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO	
PTUT 0 TIMR ICF 1920 GGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRFS 800 NBS 2048 NBL 4096 IENE 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO NEDC ORG	OGIS YES
TIMR ICF 1920 OGF 1920 ECD 13352 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO NEC ORG	PTUT 0
OGF 1920 EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO NEDC ORG	TIMR ICF 1920
EOD 13952 LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GT0 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO NEC ORG	OGF 1920
LCT 256 DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	EOD 13952
DSI 34944 NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO NEDC ORG	LCT 256
NRD 10112 DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO NEDC ORG	DSI 34944
DDL 70 ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	NRD 10112
ODT 4096 RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	DDL 70
RGV 640 GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SCDT NO SCDT NO NEDC ORG	ODT 4096
GTO 896 GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	RGV 640
GTI 896 SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	GTO 896
SFB 3 PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	GTI 896
PRPS 800 NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO 2 DT NEDC ORG	STR 3
NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO 2 DT NEDC ORG	
NBS 2048 NBL 4096 IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO 2 DT NEDC ORG	NES 2040
IENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	
TENB 5 TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	
TFD 0 RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO 2 DT NEDC ORG	
RTD 12 VSS 0 VGD 6 EESD 1024 SST 5 DTD NO SCDT NO 2 DT NEDC ORG	
VSS 0 VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	KTD 12
VGD 6 EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	VSS 0
EESD 1024 SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	VGD 6
SST 5 0 DTD NO SCDT NO 2 DT NO NEDC ORG	EESD 1024
DTD NO SCDT NO 2 DT NO NEDC ORG	SST 5 0
SCDT NO 2 DT NO NEDC ORG	DTD NO
2 DT NO NEDC ORG	SCDT NO
NEDC ORG	2 DT NO
	NEDC ORG

FEDC	ORG	
CPDC	NO	
DLTN	NO	
HOLD	02 02	40
SEIZ	02 02	
SVFL	02 02	
DRNG	NO	
CDR	NO	
NATT	YES	
SSL	120	
CFWR	NO	
IDOP	NO	
VRAT	NO	
MUS	NO	
PANS	YES	
MANO	NO	
FRL	0 0	
FRL	1 0	
FRL	2 0	
FRL	3 0	
FRL	4 0	
FRL	5 0	
FRL	60	
FRL	7 0	
OHQ	NO	
OHQT	00	
CBQ	NO	
AUTH	NO	
TDET	NO	
TTBL	0	
ATAN	NO	
OHTD	NO	
PLEV	2	
OPR	NO	
ALRM	NO	
AR'I'	0	
PECL	NO	
DCTI	0	
TIDI	NO	.2
MDDI	NO	
IKKL	0	
CCPA	U NO	
ARDN	NO	
CTRI	0	
ANTE	0	
CACC	5 PTC	
AACD	NO	
AACK	NO	

Avaya Communication Server 1000E Trunk Channel

>ld 20 REQ: prt TYPE: tn TYPE TNB TN 100 0 3 0 DES SIPTRK TN 100 0 03 00 VIRTUAL TYPE IPTI CDEN 8D CUST 0 XTRK VTRK ZONE 00066 TIMP 600 BIMP 600 AUTO BIMP NO NMUS NO TRK ANLG NCOS 0 RTMB 22 1 CHID 11 tgar 0 STRI/STRO IMM IMM SUPN YES AST NO IAPG 0 CLS UNR DIP CND ECD WTA LPR APN THFD XREP SPCD MSBT P10 NTC MID TKID AACR NO DATE 27 AUG 2013

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