



Avaya Solution & Interoperability Test Lab

Application Notes for Configuring Capita Secure Information Solutions DS3000 with Avaya Aura® Contact Center R6.4 and Avaya Communication Server 1000E R7.6 using a Lineside E1 Connection – Issue 1.0

Abstract

These Application Notes describe the configuration steps for provisioning Capita Secure Information Solutions DS3000 to interoperate with Avaya Aura® Contact Center R6.4 and Avaya Communication Server 1000E R7.6 using a Lineside E1 card.

Readers should pay particular attention to the scope of testing as outlined in Section 2.1, as well as observations noted in Section 2.2 to ensure that their own use cases are adequately covered by this scope and results.

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 the configuration steps for provisioning DS3000 from Capita Secure Information Solutions to interoperate with Avaya Aura® Contact Center R6.4 connected to an Avaya Communication Server 1000E R7.6 using the Application Module Link (AML). The DS3000 is an Integrated Communication Control System that is used by emergency service customers for answering 999/112 calls and then from the same application using radio communication (TETRA digital radio or analogue PMR) to pass details to mobile resources.

As a radio dispatch deployment with basic PTN/PSTN the DS3000 acts as an end PBX and performs call prioritisation and distribution to DS3000 operators as defined by the profile in which they have logged in to the DS3000 application. In this type of configuration the DS3000 has two primary connections to the Avaya Solution, a TDM connection to a Lineside E1 card on the Avaya Communication Server 1000E (CS1000E) and a .net connection to the Avaya Aura® Contact Center. Control of the Lineside E1 agents is achieved via the .net connection to the Communication Control Toolkit (CCT) module on the Avaya Aura® Contact Center.

2. General Test Approach and Test Results

The interoperability compliance testing evaluates the ability of Capita's DS3000 operators logged into the lineside E1 extensions as contact center agents to answer emergency calls presented to an emergency Control Directory Number (CDN) on the CS1000E. Calls placed to the emergency CDN are controlled by the contact center and are routed to the DS3000 agents by passing the caller to the Lineside E1 extensions.

Note: Non Automatic Call Distributed (ACD) calls that are destined for the DS3000 both locally and from the PSTN are routed to the DS3000 over SIP trunks using Session Manager, note this configuration is described in the Application Notes titled *Application Notes for Configuring Capita Secure Information Solutions DS3000 with Avaya Aura® Session Manager R6.3 and Avaya Communication Server 1000E R7.6 using SIP Trunks*.

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

The interoperability compliance testing focuses on various technical testing scenarios to verify the usage of DS3000 with the Avaya solution. In addition, serviceability tests were also performed to assess the reliability and accuracy of the joint solution. The testing focused on the following types of calls:

- **Login/Logout Agents using DS3000** – Ensure agents can log in and out of the Lineside E1 channels or lines from the DS3000 Operators console.
- **ACD calls into the DS3000 Operators** – Ensure that ACD calls are correctly routed to the DS3000 operators.
- **Hold/transfer and conference functionality for ACD calls** - Verify that non ACD calls can be placed on hold and transferred and conferenced.
- **Calling to voicemail** – Verify that DTMF tones can be sent. Note that Avaya Callpilot was used as voicemail.
- **Failover testing** - Verify the behaviour of DS3000 application under different simulated LAN failure conditions on the Avaya platform.

2.2. Test Results

All Test Cases passed except for the following issues.

1. When an Avaya SIP phone calls into the CDN/Skillset the call is answered correctly but the DS3000 Operator cannot transfer/conference the caller. This is not the case for an Avaya UNISTim IP phone.
2. When a call is placed into the CDN/Skillset (Lineside E1 is in operation) and a transfer is initiated but not completed because the supervisor (consulted person) decides to hang up the call, once the initial call is terminated from either side the call is cleared on the Lineside E1 but the call still shows on CCT. This appears to be a Lineside E1 – CCT issue. A WI is opened with Avaya Support - **wi01186015: Consult transfer stuck in CCT**.

The following observation was also noted.

- FTTU is set on the Class of service (CLS) of each Lineside E1 TN. FTTU means Flexible Trunk to Trunk Connections Unrestricted and this creates trunk to trunk connections for both Conference and Transfer so that when calling in from the PSTN transfer across the SIP trunk is allowed.

2.3. Support

Support from Avaya is available by visiting the website <http://support.avaya.com> and a list of product documentation can be found in **Section 11** of these Application Notes. Technical support for the Capita DS3000 product can be obtained as follows.

- Tel : + 44 (0) 8456 041999
- Email: csis.info@capita.co.uk

3. Reference Configuration

Figure 1 shows the setup for compliance testing Capita's DS3000 with Contact Center R6.4 connecting to the CCT module in order to control agents logged into the Lineside E1 extensions on the CS1000E. ACD calls are passed through the Lineside E1 card where they can be answered by the DS3000 operators acting as Contact Center agents.

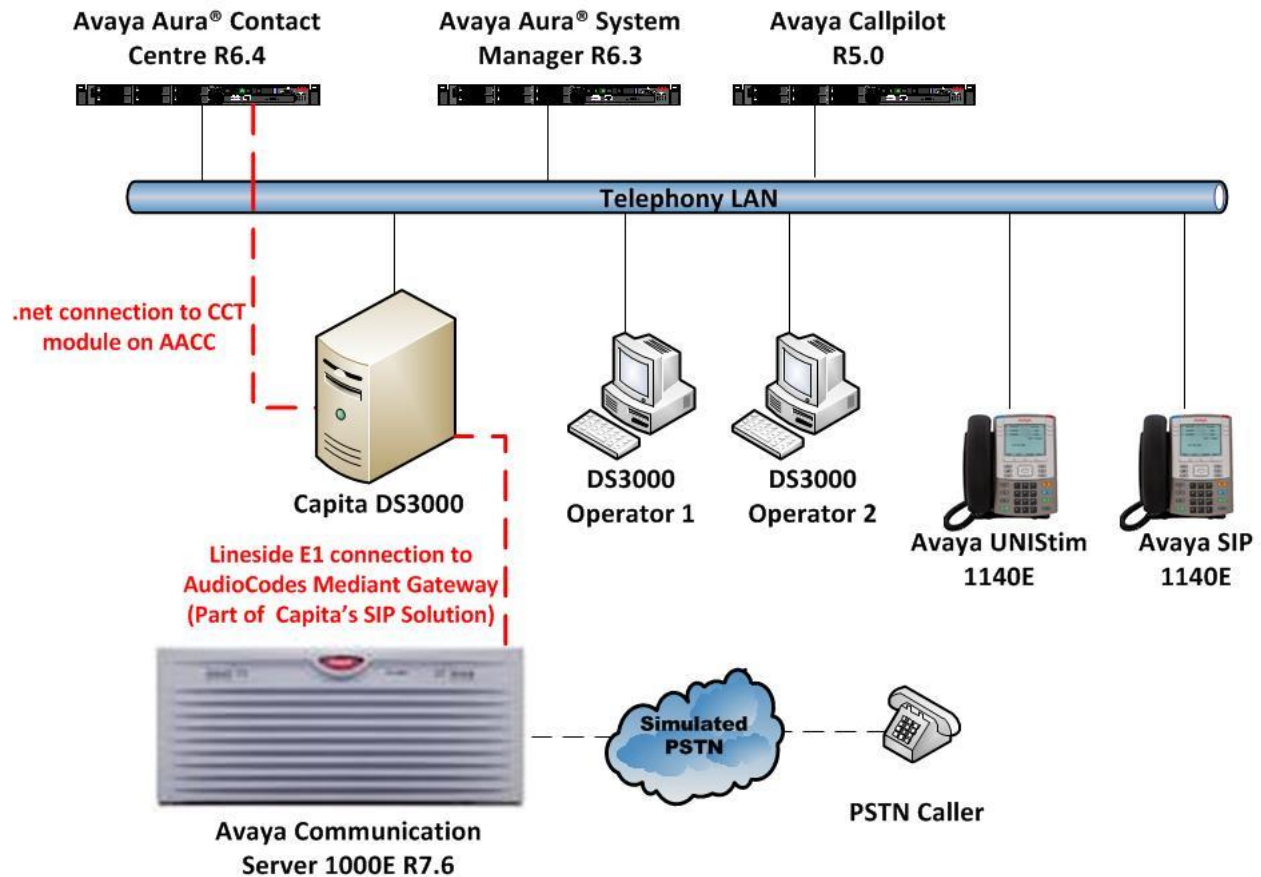


Figure 1: Connection of Capita DS3000 with Avaya Aura® Contact Center R6.4 and Avaya Communication Server 1000E R7.6

4. Equipment and Software Validated

The following equipment and software was used for the compliance test.

Device Description	Versions Tested
Avaya Aura® Contact Center running on an Windows 2008R2 Server	R6.3 (Service Pack 13)
Avaya Communication Server 1000E running on CPPM	R7.6 (See Appendix A for Patch details)
Avaya Aura® System Manager running Virtual Server	R6.3.9 [Build 6.3.0.8.5682-6.3.8.4414] [SW Update Rev 6.3.9.1.2482]
Avaya Call Pilot 600r Server	Avaya Call Pilot Version 5.00.41 Patch Line-up: CP50041SU08S CP500508G09C
Avaya 1140 UNISim Deskphone	UNISim V0625C8D
Avaya 1140 SIP Deskphone	SIP 04.00.12.04
Capita DS3000 Solution Kit (DSX Converged Versions 2013 R1 and later) <ul style="list-style-type: none">- Aculab Dual Redundant SIP Server- Centricity V2- AudioCodes Mediant 1000B	Release 2x Series V6.5.13 V3.21.14.1 V6.60A.228.011

5. Configure Avaya Communication Server 1000E

It is assumed that a fully functioning CS1000E is in place with the necessary licensing and with an ELAN connection to the Contact Center already in place. For further information on the configuration of CS1000E please see reference [1] in **Section 11** of these Application Notes. “Putty” is used to administer the CS1000E. Using Putty, open an SSH Session to the Node IP address of the CS1000E, log in to the CS1000E Linux application using the appropriate credentials and type **cslogin** (not shown) to gain access to the PBX command line.

Note: A simulated PSTN connection was present on the CS1000E in the form of a QSIG ISDN connection, the configuration of which is outside the scope of these Application Notes.

5.1. Create Automatic Call Distribution Queue

An Automatic Call Distribution (ACD) queue must be created in order to log in the Lineside E1 agents. Enter overlay 23 to add a new **ACD** by typing **LD 23** at the > prompt. Ensure the following are set. Note that the default setting is accepted by pressing return at each prompt.

Prompt	Response	Description
>	LD 23	Enter Overlay 23
REQ	new	new/add
CUST	0	Customer number (default is 0)
TYPE	ACD	Automatic Call Distribution
ACDN	1650	ACD Number (any unused number)
MAXP	10	Maximum number of persons in the Queue (10)
.....		Return until next prompt
NCFW	3200	Night call forward number (call 3200 if out of service)]
.....		Return until next prompt
HMSB	YES	Hold Make Set Busy (Allowed)
.....		Return until next prompt
HOML	YES	Headset Or MSB key Log Out (Allowed)
.....		Return until next prompt
NRAC	YES	Enable Not Ready Activity Codes
Return to end		

5.2. Create a Controlled Directory Number to route calls

A Controlled Directory Number (CDN) must be created in order to route emergency calls to the Lineside E1 agents. Enter overlay 23 to add a new **CDN** by typing **LD 23** at the > prompt. Ensure the **DFDN** is set to that of the ACD queue created in **Section 5.1**. Note that the default setting is accepted by pressing return at each prompt.

Prompt	Response	Description
>	LD 23	Enter Overlay 23
REQ	new	new/add
CUST	0	Customer number (default is 0)
TYPE	CDN	Controlled Directory Number
CDN	6100	ACD Number (any unused number)
.....		Return until next prompt
DFDN	1650	Default DN is set to the ACD Queue created in Section 5.2
.....		Return until next prompt
Return to end		

5.3. Create Lineside E1 Agents

E1 lineside card switch settings are as follows:

- Lineside E1,S1: Set all the dip switches to OFF
- Lineside E1,S2: Set dip switch 3 to ON and set all the other dip switches to OFF

Lineside E1 Agents are created in overlay 20. For compliance testing three lineside E1 agents were created and the following TN's, DN's and position ID's were used.

	TNB	DN	POSID
•	4 0 10 0	3100	1113100
•	4 0 10 1	3101	1113101
•	4 0 10 3	3102	1113102

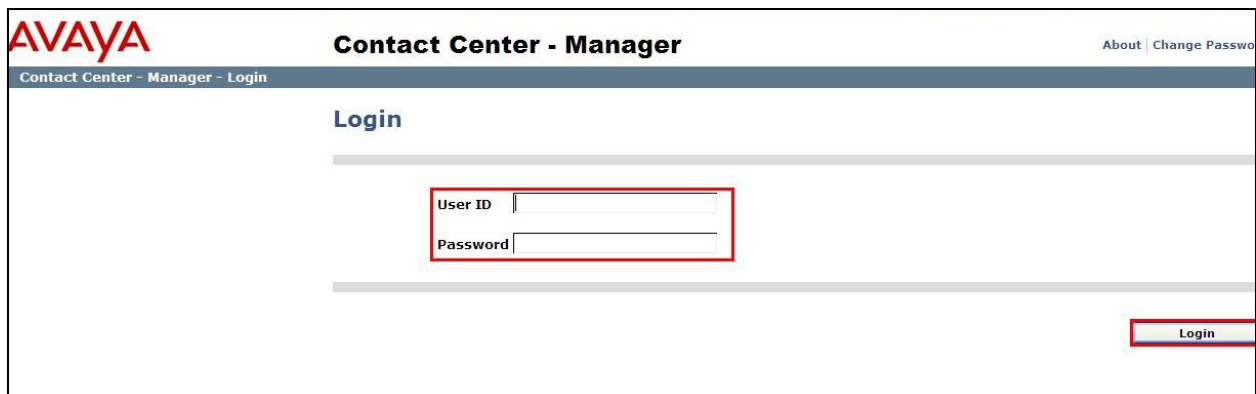
Prompt	Response	Description
>	LD 20	Enter Overlay 20
REQ	new	new/add
TYPE	500	"500" type set - (used for Lineside E1)
TNB	4 0 10 0	Loop Shelf Card Unit
DN	3100	Private Directory Number (any unused number)
AST	YES	Associate Set assignment
IAPG	1	Meridian Link Unsolicited Status Message (1 is on)
.....		Return until next prompt
CLS	UNR	Unrestricted (note this was only set for testing purposes)
	XFA	Transfer Allowed
	C6A	Conference Allowed
	CFXA	Call Forward External Allowed
	AGTA	ACD services for 500 type telephones allowed
	DDGA	DN display on other set Allowed.
	NAMA	Name display Allowed
	FTTU	Trunk to Trunk Connections unrestricted
.....		Return until next prompt
AACD	YES	Associate set (AST) ACD telephone
AACS	YES	Application acquired set
.....		Return until next prompt
FTR	ACD 1650 x	ACD Queue created in Section 5.1 with Position ID x
FTR	OSP 1	Enable answer and disconnect supervision for outgoing calls
FRT	ISP 255	Enable hook flash disconnect supervision with flash timer
Return to end		

Note: A full printout of the TN and CDN can be found in **Appendix B**.

6. Configuration of Avaya Aura® Contact Center

It is assumed that a fully functioning Contact Center is already in operation and so these Application Notes do not go through the setup of the Contact Center from the beginning but rather what steps are required in order to ensure that calls are routed to the DS3000 agents and that DS3000 agents can log in to Lineside E1 extensions and take control. For more information on the setup and configuration of Contact Center please refer to reference [2] in **Section 11** of these Application Notes.

Log in to the Contact Center by opening a web session (not shown) to the Contact Center server and enter the proper credentials and click on the **Login** button.



The screenshot shows the Avaya Contact Center Manager Login page. The header includes the Avaya logo, the title "Contact Center - Manager", and links for "About" and "Change Password". Below the header, the page is titled "Login". It features a form with two input fields: "User ID" and "Password". A red box highlights these two fields. At the bottom right of the form, there is a "Login" button, also highlighted with a red box.

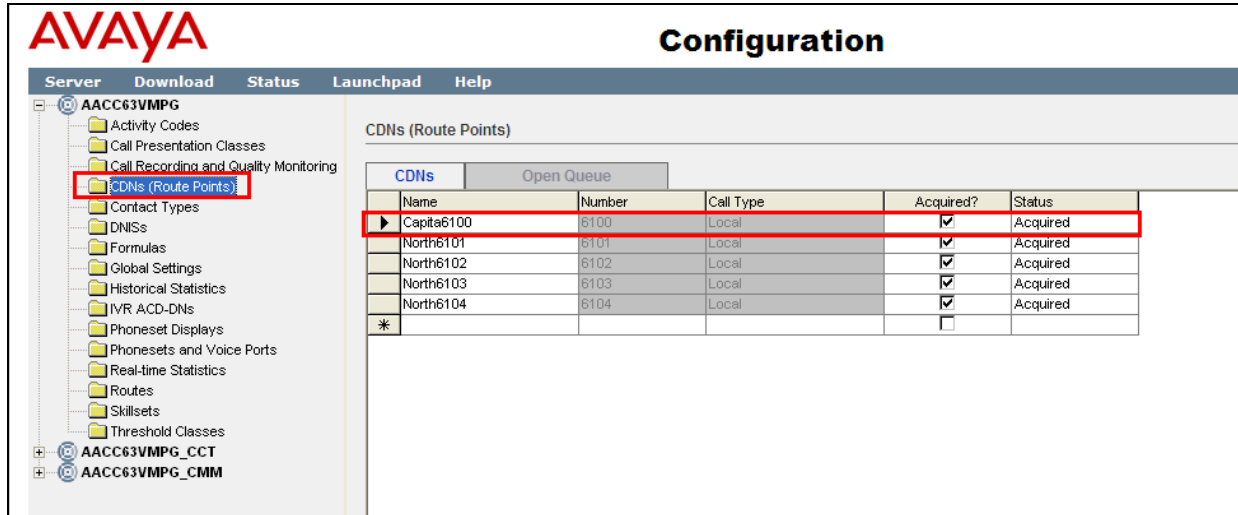
6.1. Contact Center Configuration

Select **Configuration** as highlighted below.



The screenshot shows the Avaya Contact Center Manager Launchpad page. The header includes the Avaya logo, the title "Contact Center - Manager", and links for "About" and "Audit Trail". Below the header, the page is titled "Launchpad". It features a list of menu items, each with a gear icon. The "Configuration" item is highlighted with a red box. The other menu items are: "Contact Center Management", "Access and Partition Management", "Real-Time Reporting", "Historical Reporting", "Call Recording and Quality Monitoring", "Scripting", "Emergency Help", "Outbound", and "Multimedia".

A CDN for emergency calls should be added in order to route the emergency calls to the agents. To add a CDN to the Contact Center click on **CDN's (Route Points)** in the left window and enter the CDN details in the right window ensure that **Acquired?** is clicked. Note this will be the same CDN as was created in **Section 5.2**.



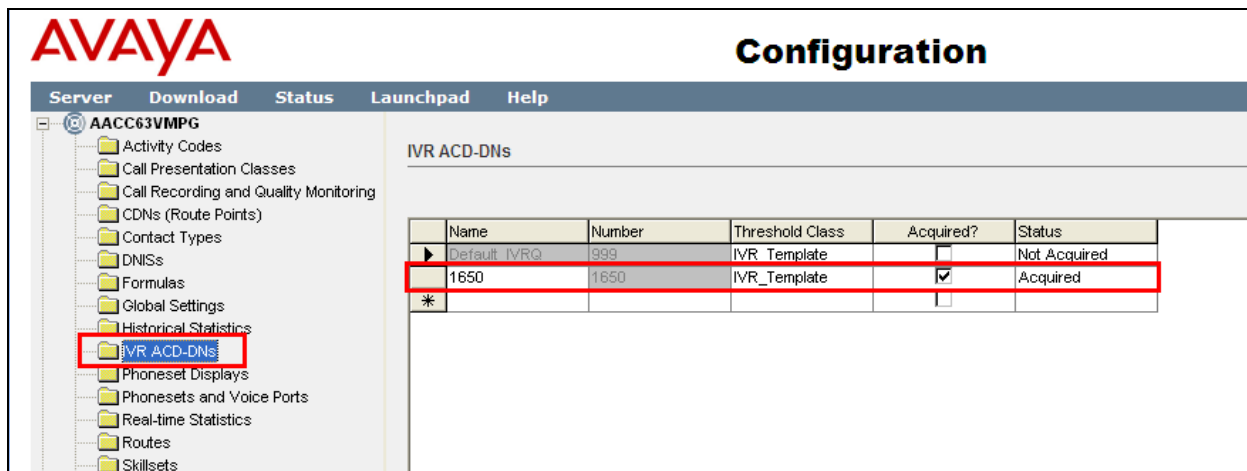
AVAYA Configuration

Server Download Status Launchpad Help

CDNs (Route Points)

Name	Number	Call Type	Acquired?	Status
Capita6100	6100	Local	<input checked="" type="checkbox"/>	Acquired
North6101	6101	Local	<input checked="" type="checkbox"/>	Acquired
North6102	6102	Local	<input checked="" type="checkbox"/>	Acquired
North6103	6103	Local	<input checked="" type="checkbox"/>	Acquired
North6104	6104	Local	<input checked="" type="checkbox"/>	Acquired
*			<input type="checkbox"/>	

Click on **IVR ACD-DNs** in the left window and enter the ACD number that was created in **Section 5.1**.



AVAYA Configuration

Server Download Status Launchpad Help

IVR ACD-DNs

Name	Number	Threshold Class	Acquired?	Status
Default IVRQ	999	IVR_Template	<input type="checkbox"/>	Not Acquired
1650	1650	IVR_Template	<input checked="" type="checkbox"/>	Acquired
*			<input type="checkbox"/>	

To add the Lineside E1 extensions click on **Phonesets and Voice Ports** in the left window. Add the TN's that were created in **Section 5.3**.

The screenshot shows the Avaya Configuration window with the 'Phonesets and Voice Ports' section selected in the left-hand tree. The right-hand pane displays a table of configured phonesets.

Name	Type	Address	Channel	IVR Name	Acquired?	Status
4-0-10-0	Agent	4-0-10-0			<input checked="" type="checkbox"/>	Acquired
4-0-10-1	Agent	4-0-10-1			<input checked="" type="checkbox"/>	Acquired
4-0-10-2	Agent	4-0-10-2			<input checked="" type="checkbox"/>	Acquired
96-U-0-4	Agent	96-U-0-4			<input checked="" type="checkbox"/>	Acquired
96-0-0-5	Agent	96-0-0-5			<input checked="" type="checkbox"/>	Acquired
96-0-0-6	Agent	96-0-0-6			<input checked="" type="checkbox"/>	Acquired
*					<input type="checkbox"/>	Acquired

In order to route the emergency calls to the agents, emergency skillsets must be added. Click on **Skillsets** in the left window and enter the information for the skillset in the right window.

The screenshot shows the Avaya Configuration window with the 'Skillsets' section selected in the left-hand tree. The right-hand pane displays a table of configured skillsets.

Contact Type	Prefix	Skillset Name	Default Activity Code	Threshold Class	Call Age Preference
Voice_Mail	VM_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
SMS	SM_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Fax	FX_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Scanned_Document	SD_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
OpenQ	OQ_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Predictive_Outbound	PR_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Outbound	OB_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Web_Communications	WC_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Email	EM_	Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Voice		Default_Skillset	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Voice		EmergOpp	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Voice		Non_EmergOpp	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Voice		Admin1	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
Voice		Public	00, Skillset_Default_Activity_Code	Skillset_Template	First In Queue
*					

6.2. Contact Center Agents

Select **Contact Center Management** shown below. All the Agent details are configured in this section.



Click on **Add** highlighted and select new (not shown). Enter a suitable name and **Login ID** for the new agent. Ensure that Voice is selected for the Contact Type (not shown) and add the skillset created in **Section 6.1** above. Click on **Submit** once all the details are entered correctly.

The screenshot shows the Avaya Contact Center Management 'Add' form. The 'Login ID' field is highlighted with a red box. The 'Skillsets' table shows 'EmergOpp' selected.

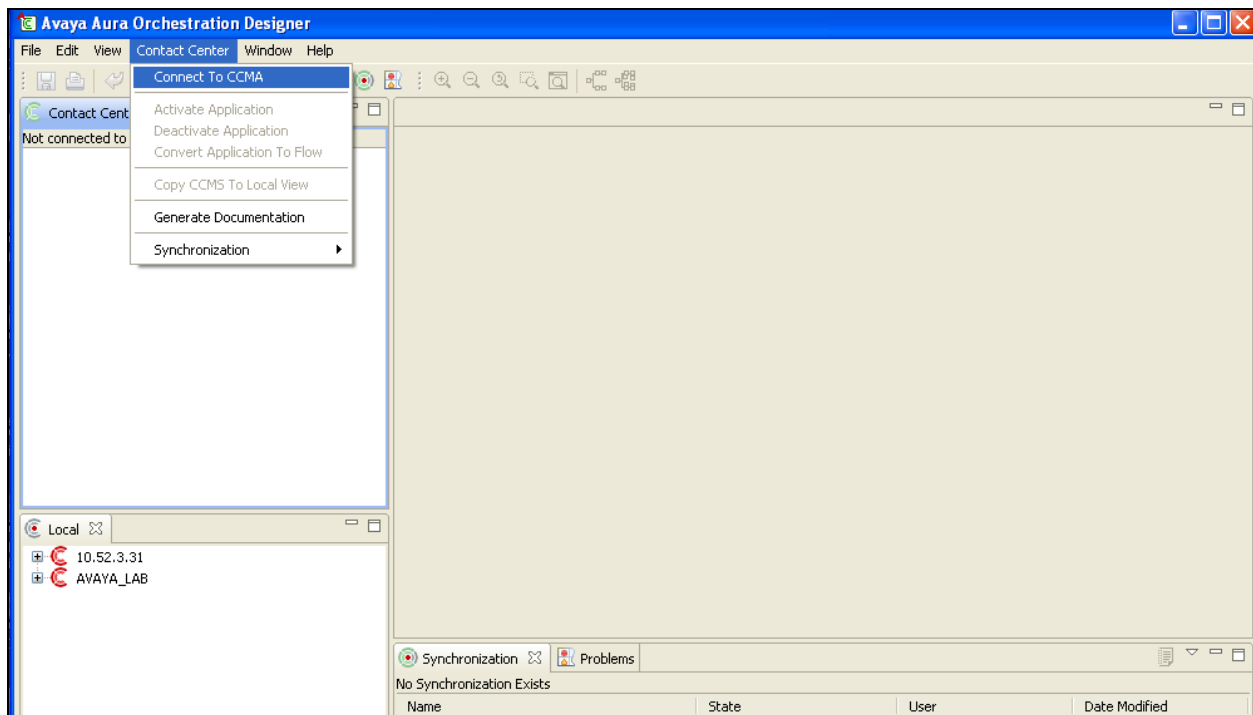
Skillset Name (2)	Contact Type	Priority
Default_Skillset	Voice	5
EmergOpp	Voice	1

Note: The Lineside E1 DN associated with the agent created can be entered as the **Personal DN** as it has been observed that if a Lineside E1 call is cleared from the DS3000 whilst the call is held prior to transfer and before the consultative call digits are dialed, the Contact Centre call will be re-routed to the next available agent by the CS1000E. This routing will be based on the ACD queue associated with the Lineside E1 and may result in the call being presented to an agent who does not have the appropriate skills. A workaround for this is achieved by configuring Personal DN settings for each Contact Center Agent such that agents with compatible skillsets use a common **Personal DN** so that calls are routed to suitable logged on agents.

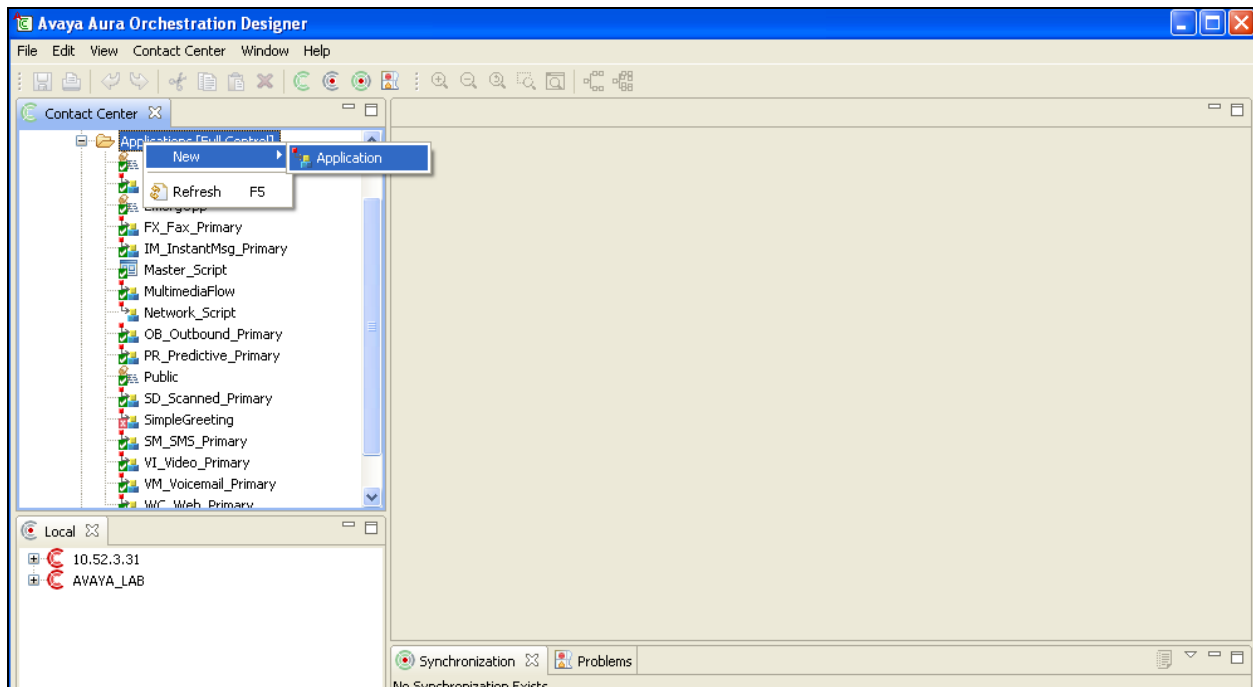
6.3. Creating an Application for emergency routing

All routing changes are done using Orchestration Designer, this allows Applications or Scripts to be created and associated with a CDN or route point. The download and initial setup of Orchestration Designer is outside the scope of these Application Notes, for information on the setup and configuration of Orchestration Designer please refer to reference [2] in **Section 11** of these Application Notes.

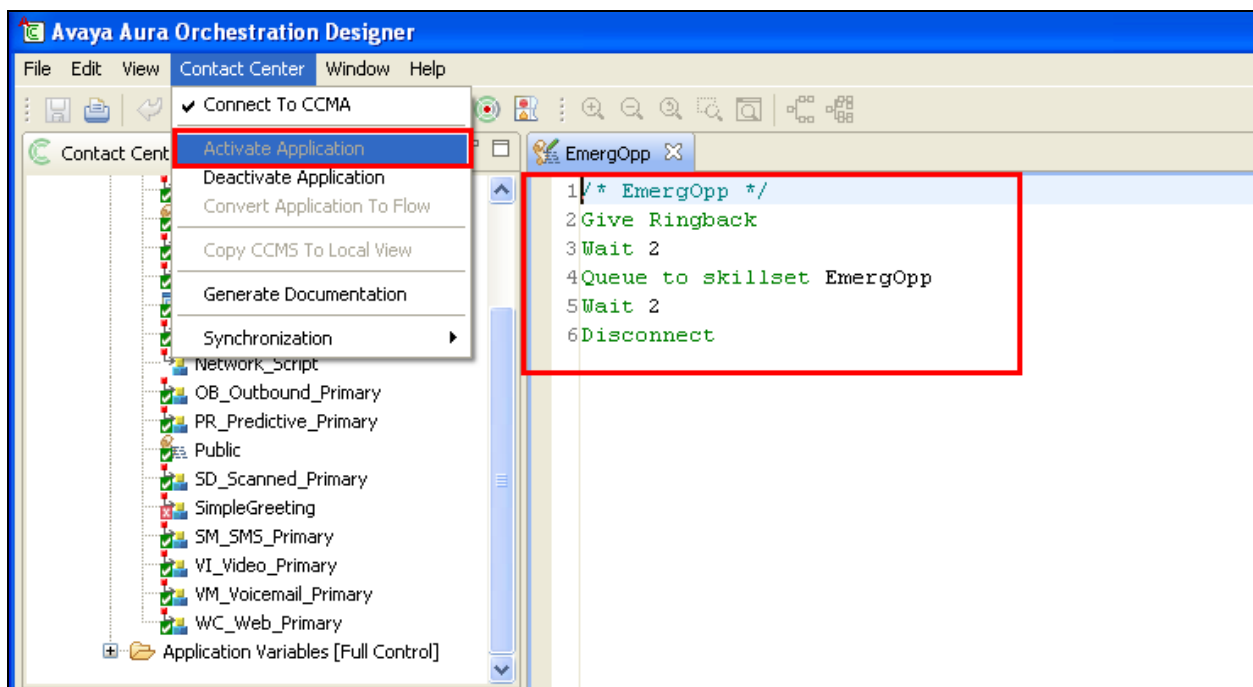
A new application was created for the routing of emergency calls and this is associated with the CDN created on the CS1000E in **Section 5.2**. Open Orchestration Designer (not shown) and **Connect to CCMA** as shown below.



Navigate to **Applications** in the left window and right click and select **New → Application** as shown below.

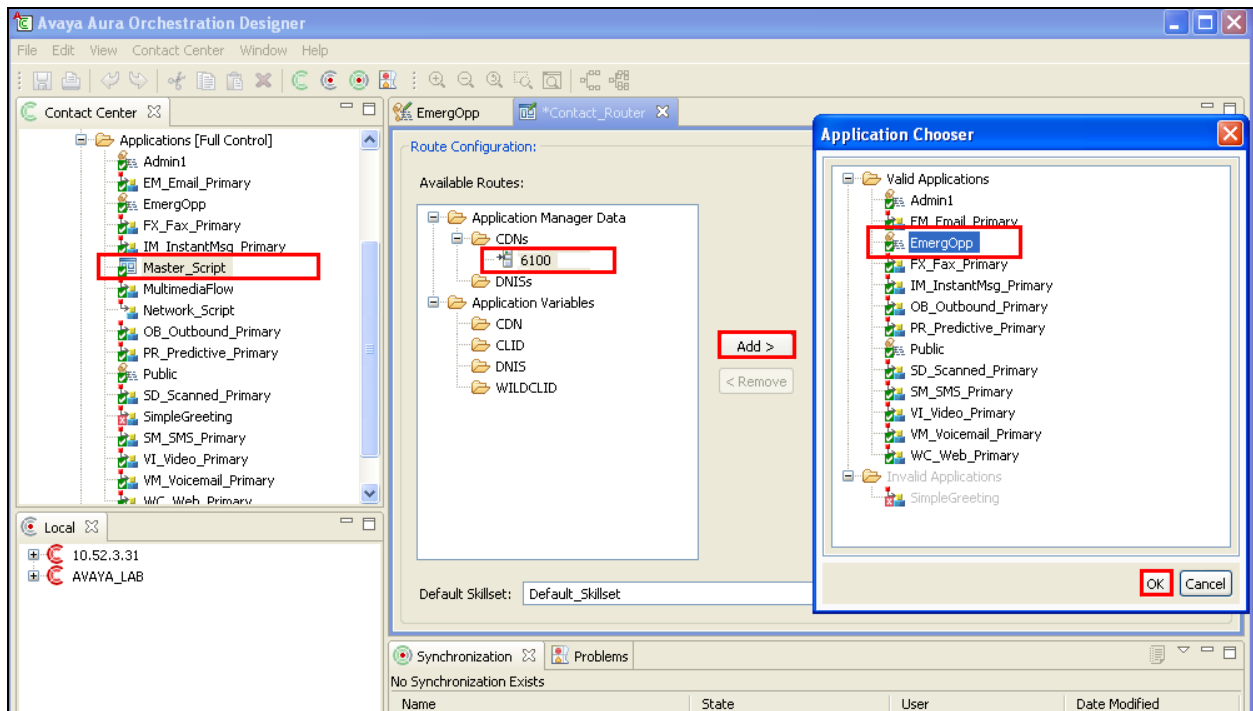


Below shows an example of a script used to route calls to a skillset. Once this is completed select **Contact Center** and **Activate Application** as shown below in order to make this active.



6.3.1. Associate an Application with a CDN

In order to associate an application with a CDN, the master script must be opened as shown below. Double click on **Master_Script** in the left window. In the main window expand on **Application Manager Data** → **CDNs** select the required CDN and click on **Add** as shown below. Once this is selected a new window **Application Chooser** opens where the Application to be associated with this CDN is chosen as is shown below. Click on **OK** once this is done.



6.4. Import CS1000E Information to Communication Control Toolkit

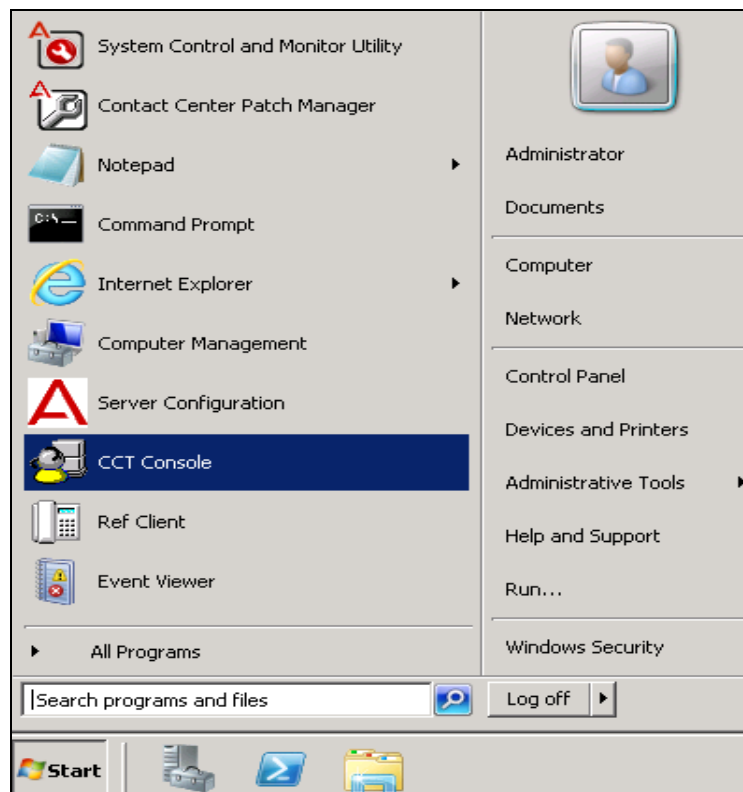
From the CS1000E take a printout of the Lineside E1 channels and the CDN using the **prt** command in overlay 20. This printout should be saved to notepad so as these TN's can then be imported into CCT as a file, such as **CS1000E76LE1.txt**.

Prompt	Response	Description
>	LD 20	Enter Overlay 20
REQ	prt	Print
TYPE	TN	Print the Terminal Number (TN)
TN	4 0 10 0	Terminal Number 4 0 10 0
.....	Return to end	

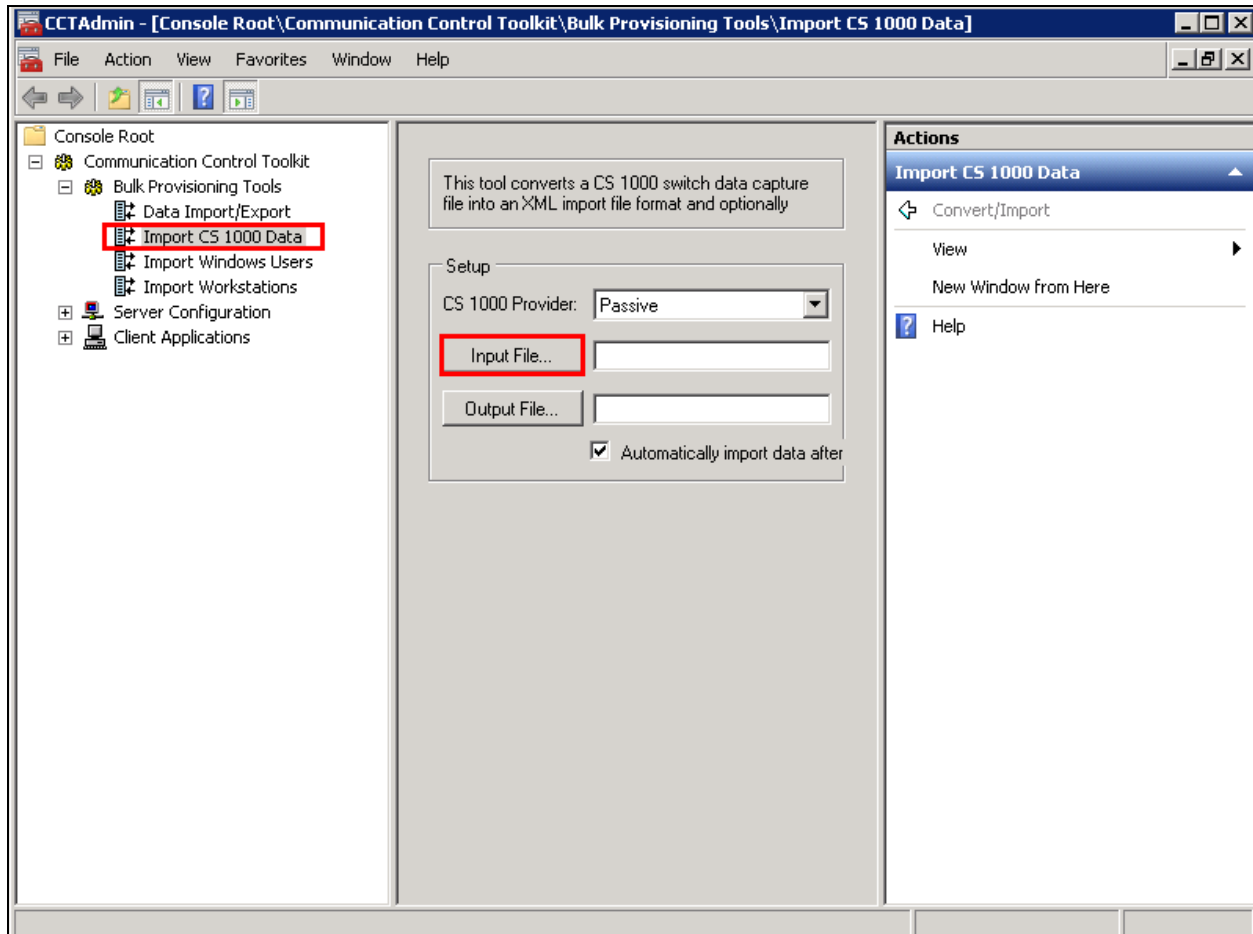
A printout of the CDN (in our example **6100**) is also required. Go to overlay 23 to print the **CDN** and ensure this is saved on the same file as above **CS1000E76LE1.txt**. A full printout of both a Lineside E1 channel and the CDN can be found in **Appendix B**.

Prompt	Response	Description
>	LD 23	Enter Overlay 23
REQ	prt	Print
TYPE	CDN	Print the Control Directory Number (CDN)
CUST	0	Customer 0
CDN	6100	CDN 6100
.....	Return to end	

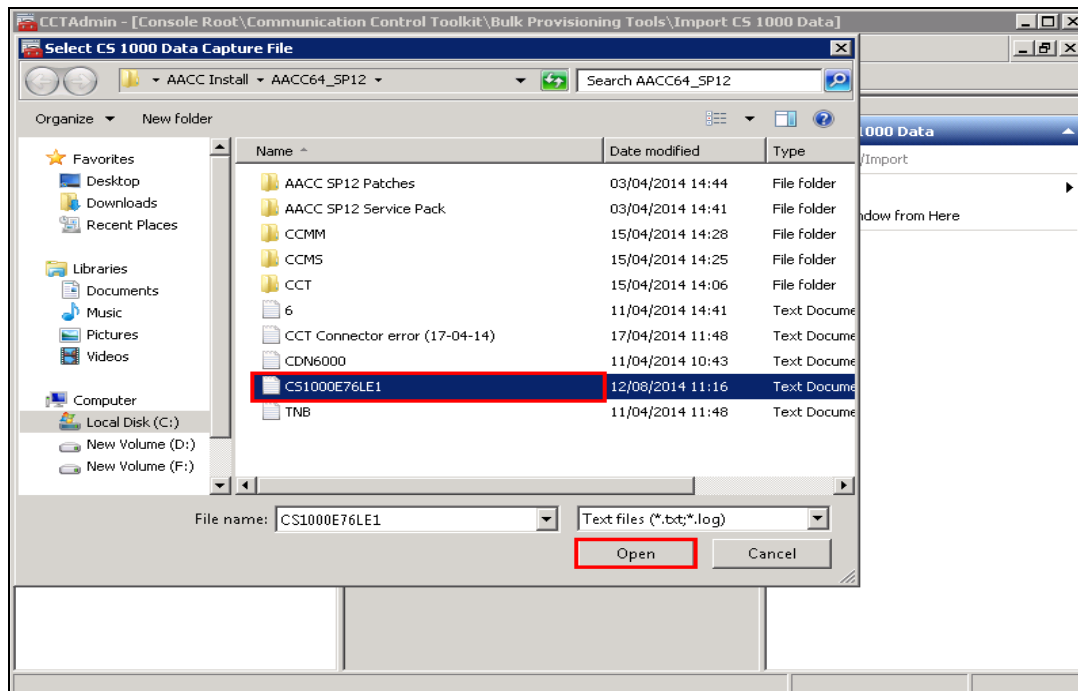
From the CCT server navigate to **Start → Programs → CCT Console**.



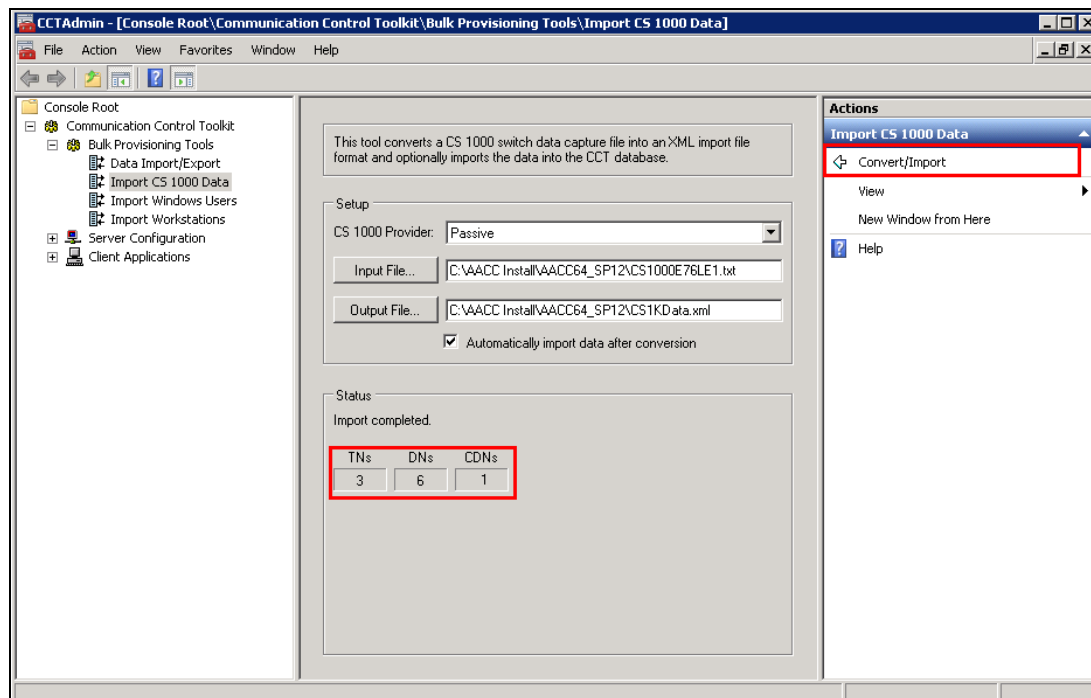
The **CCTAdmin** window is opened, in the left window click on **Import CS 1000 Data** and from the middle window click on **Input File...**



Navigate to the location of the **CS1000E76LE1.txt** file that was created from the beginning of this **Section 6.4**.

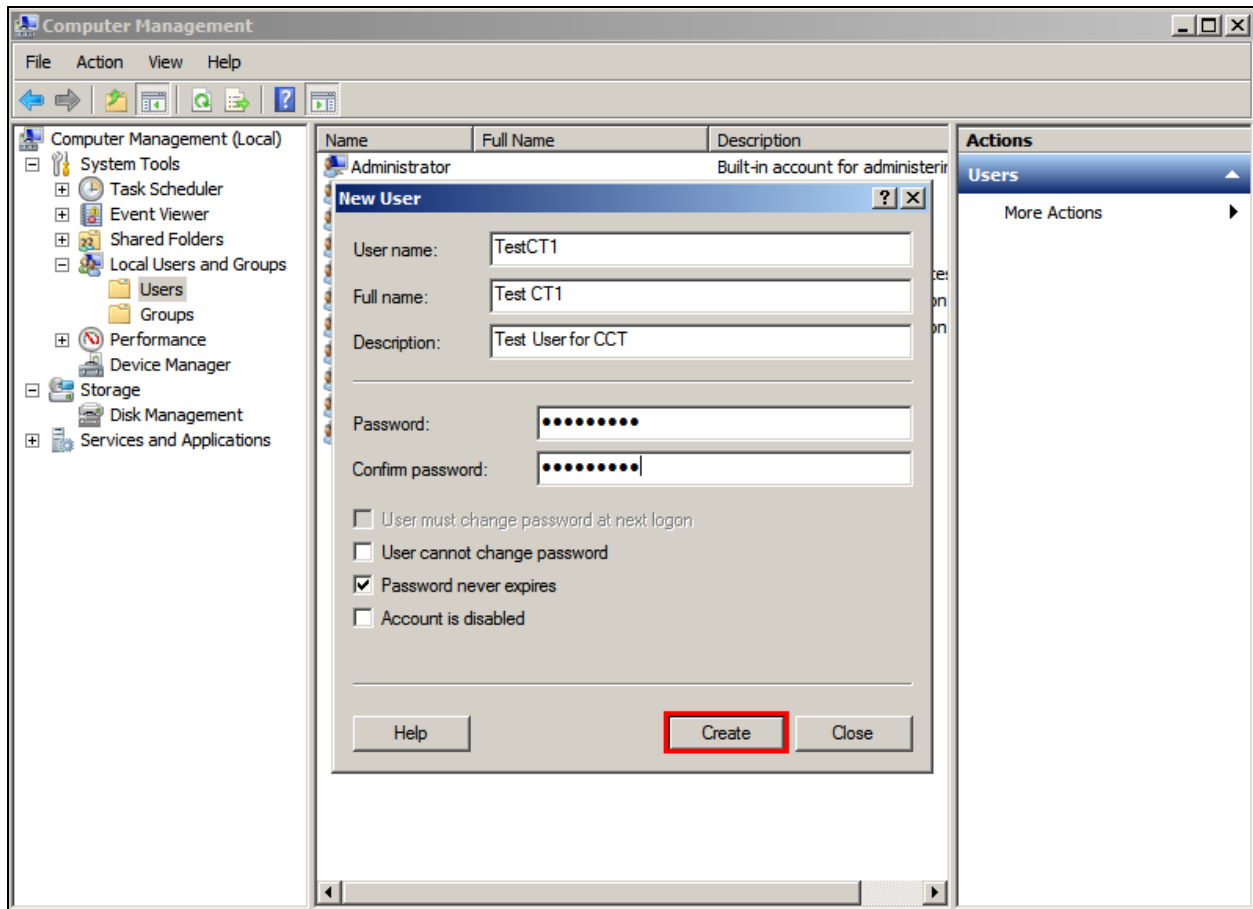


From the right window, click on **Convert/Import**, and in the main window the result of the import should be displayed as shown below where three TN's and one CDN was imported correctly.



6.5. Configure CCT Users on the Contact Center Server

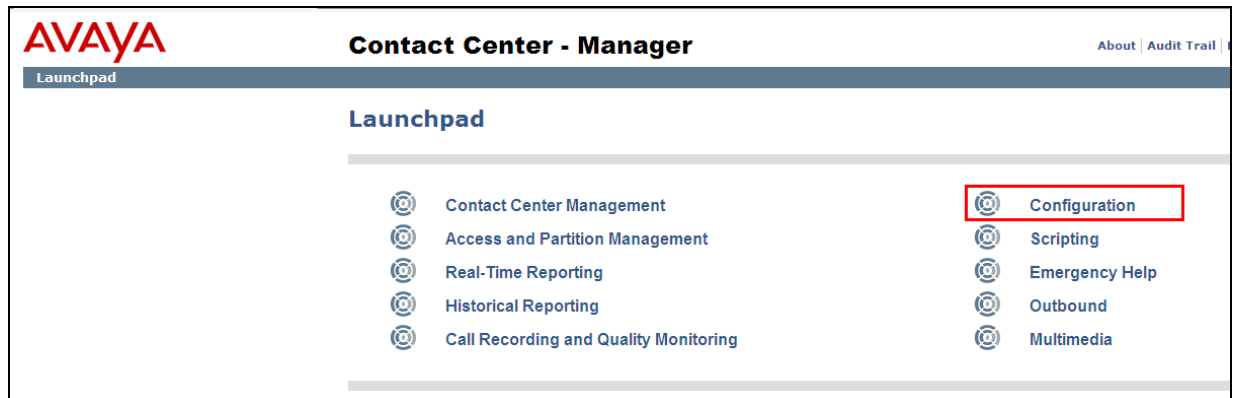
Navigate to **Computer Management**, (not shown) and select **Users** from the left window and right-click and select **New User**. Enter a suitable user name and password for this new user. Click on **Create** once this user information is entered. Any user that will be created in CCT must also be added here.



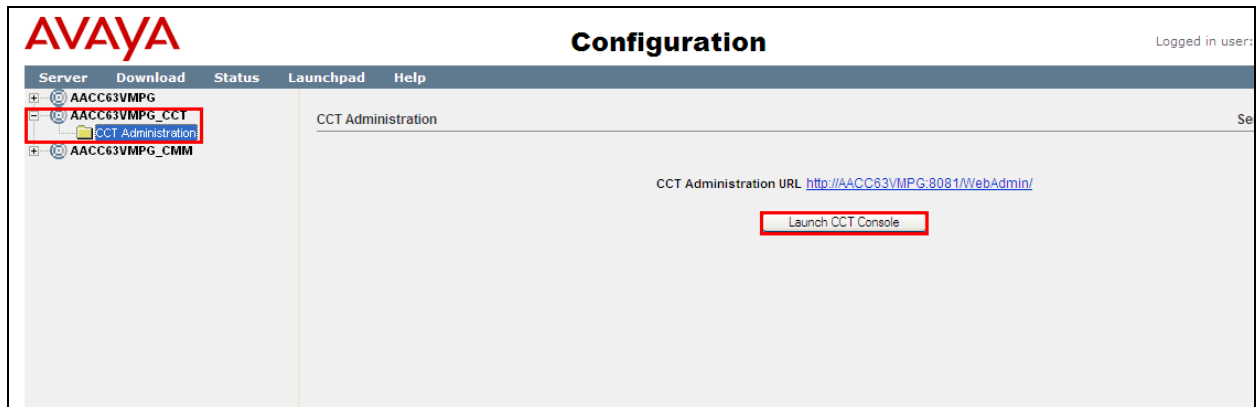
6.6. Configuring Communication Control Toolkit

One user is added to CCT in order to monitor the Lineside E1 channels and the CDN that were imported in **Section 6.4**.

In order to make changes in CCT navigate to configuration from **Launchpad** as shown below.

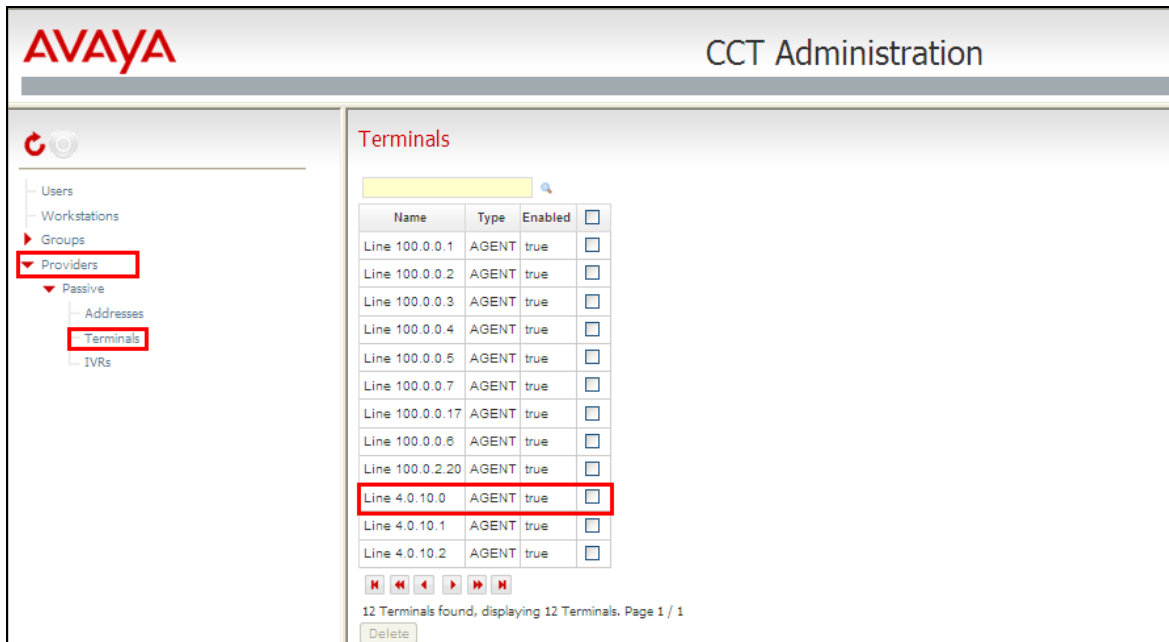


Once in **configuration**, open the CCT server in the left window and click on **Launch CCT Console** in the right window.

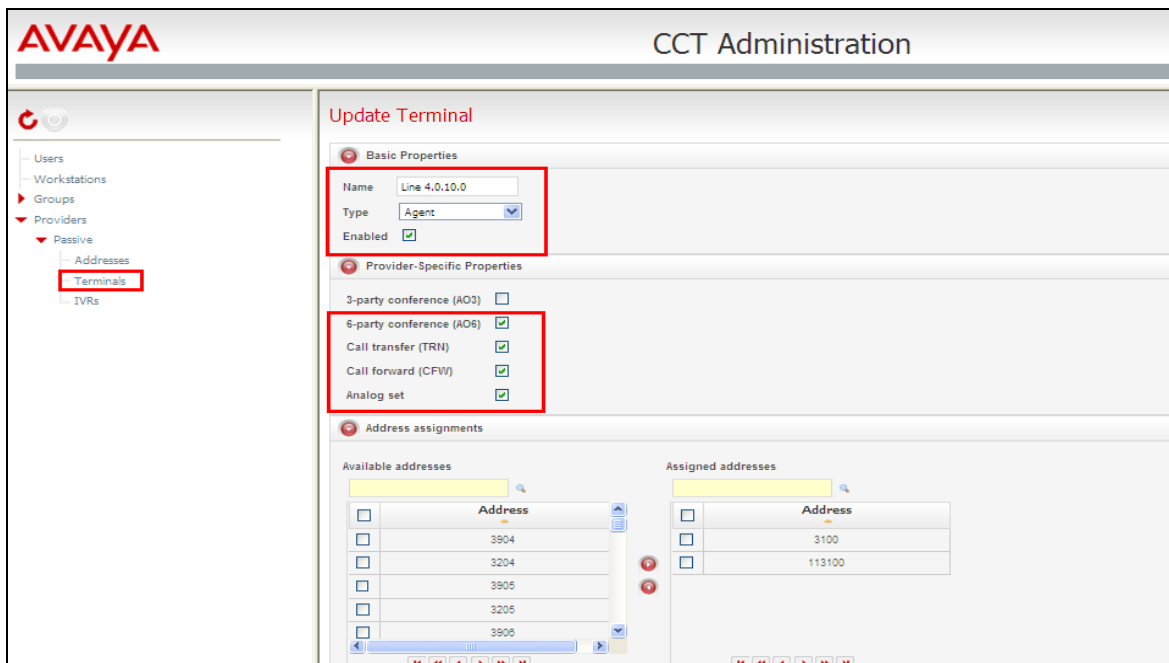


6.6.1. Configure Terminals

Navigate to **Providers** → **Passive** → **Terminals** in the left window. Click on each of the Lineside E1 channels separately.

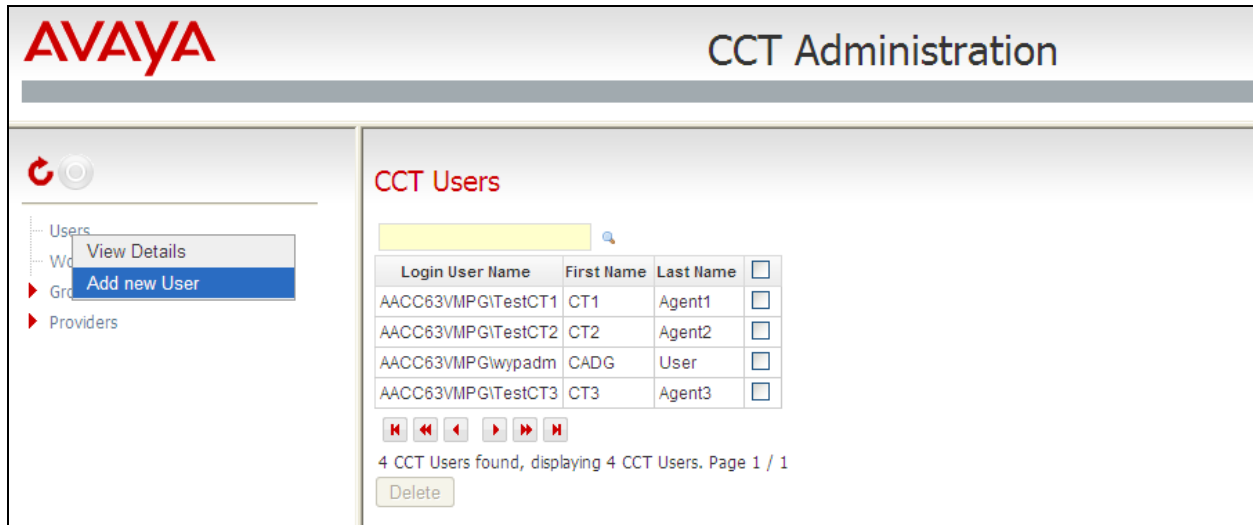


Ensure that the following are ticked, specifically **Analog set**.



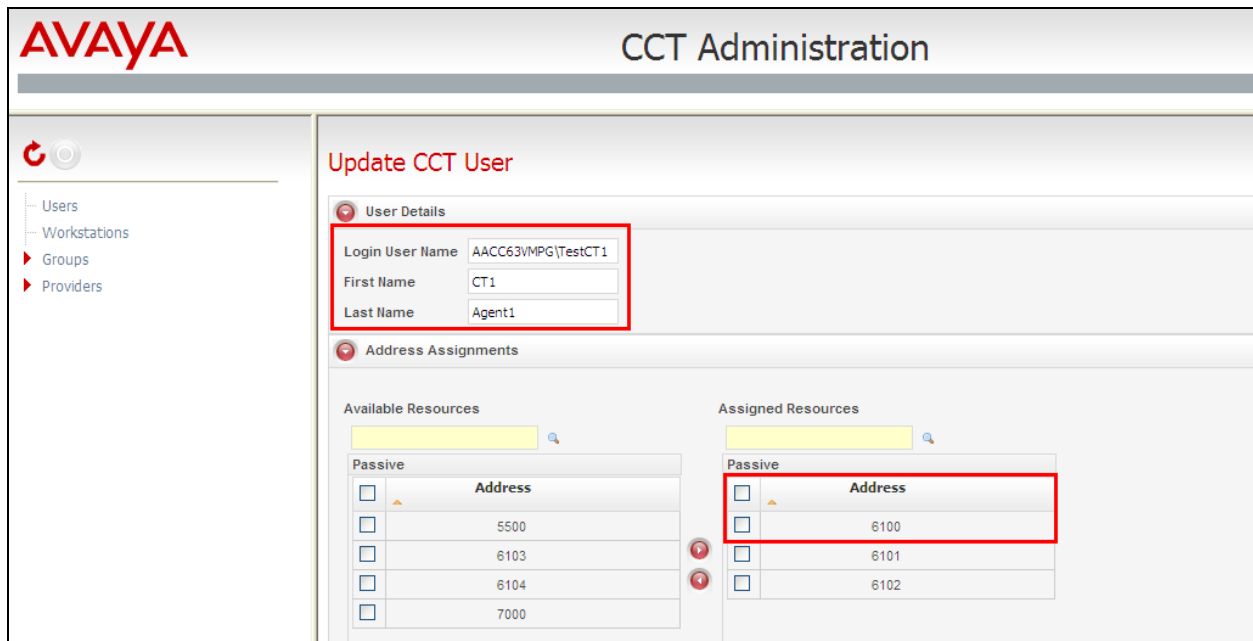
6.6.2. Add CCT User

To add a new CCT User, right click on **Users** in the left window and select **Add new User**, as shown below.



Enter the user details, note these should be the same as those configured in **Section 6.5**. Open **Address Assignments** and include the CDN that was created in **Section 5.2**.

Note: Any CDN that is used to route calls to Capita agents will also need to be added to the **Address Assignments**.



Scroll down and open **Terminal Assignments**. Ensure that the Lineside E1 TN's that were created in **Section 5.3** are associated with this user as shown below. Click on **Save** once this is completed.

AVAYA CCT Administration

4 Address found, Page 1 / 1

3 Address found, Page 1 / 1

Terminal Assignments

Available Resources

Passive	Terminal
<input type="checkbox"/>	Line 96.0.0.4
<input type="checkbox"/>	Line 96.0.0.5
<input type="checkbox"/>	Line 96.0.0.6

3 Terminal found, Page 1 / 1

Assigned Resources

Passive	Terminal
<input type="checkbox"/>	Line 4.0.10.0
<input type="checkbox"/>	Line 4.0.10.1
<input type="checkbox"/>	Line 4.0.10.2

3 Terminal found, Page 1 / 1

Terminal Group Assignments

Address Group Assignments

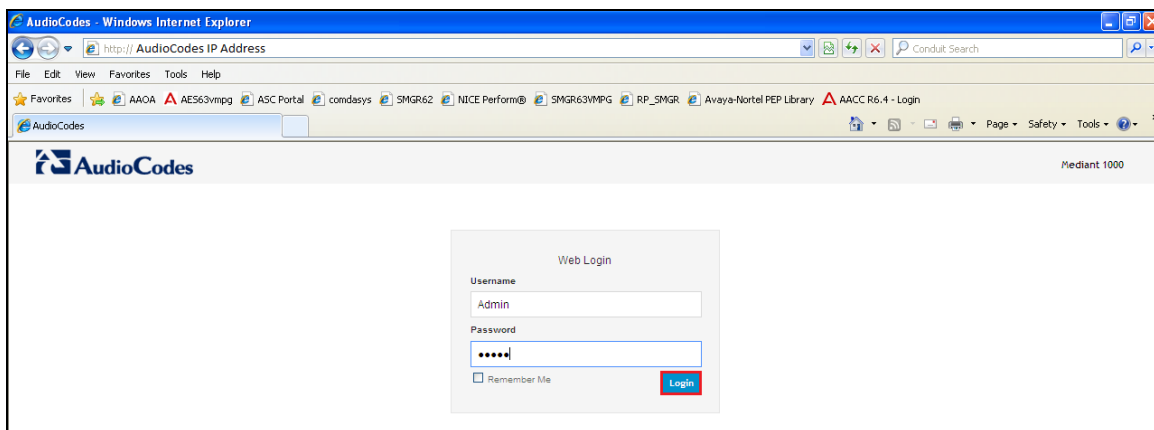
Agent Assignments

Save

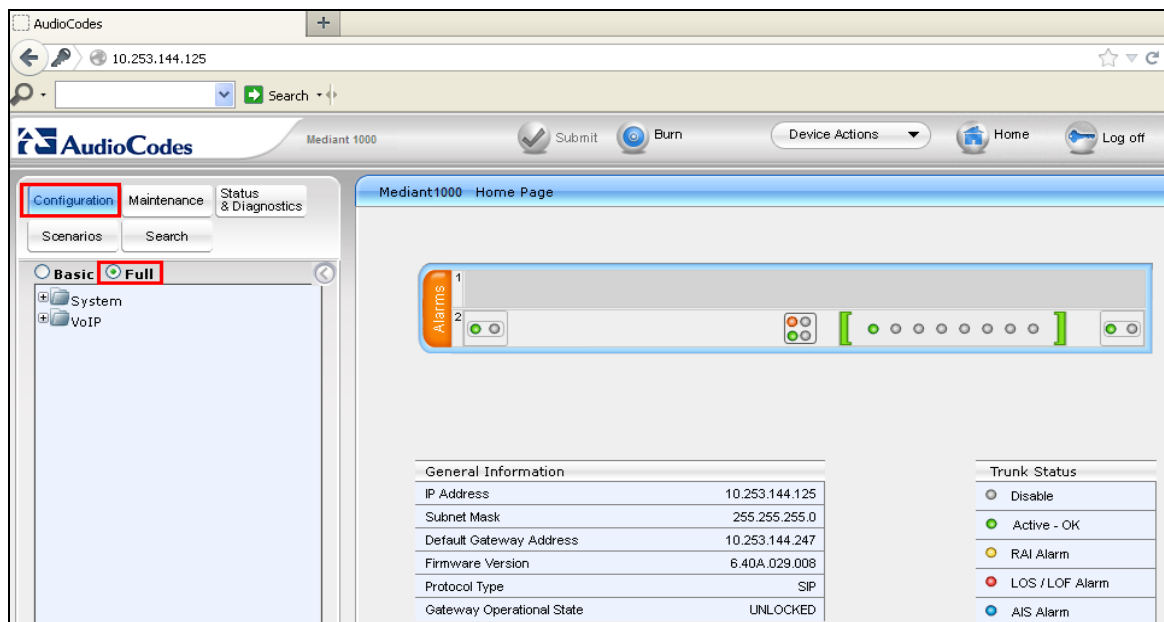
7. Configuration of AudioCodes Mediant 1000B Gateway

Although the AudioCodes gateway is a third-party product, it is a part of Capita's solution and must also be configured as a part of this solution. This box is responsible for the connection between the Avaya Lineside E1 card on the CS1000E and Capita's SIP stack on the DS3000 Server. Open a web browser and http to the AudioCodes IP address and enter the proper credentials into the authentication window as shown below and click **OK**.

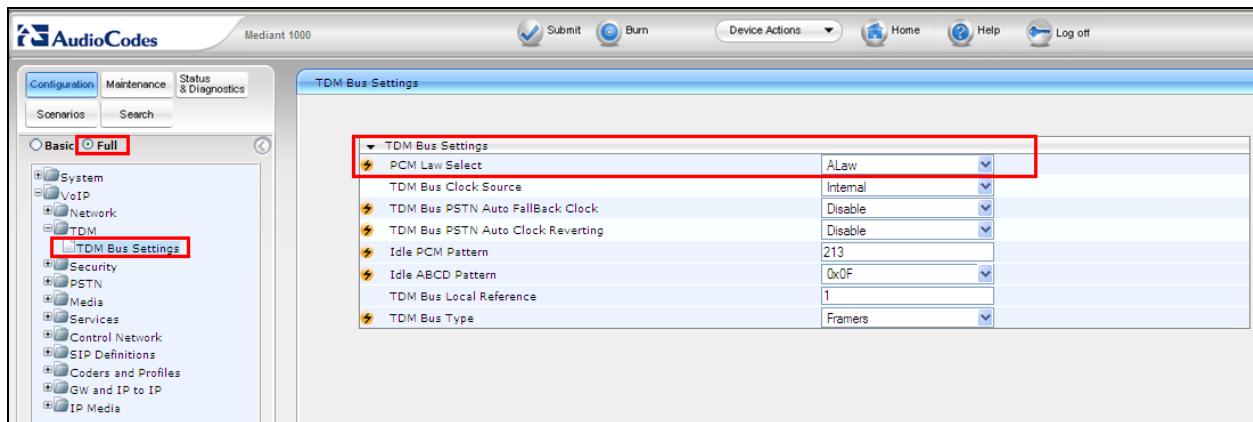
Note: The AudioCodes Mediant 1000B Gateway was configured with latest Avaya Aura® Offsite Agent (AAOA) and so the CAS/E1 configuration should be as defined in AAOA Installation and Commissioning Guide Release 6.2. See **Section 11** for more details on this document.



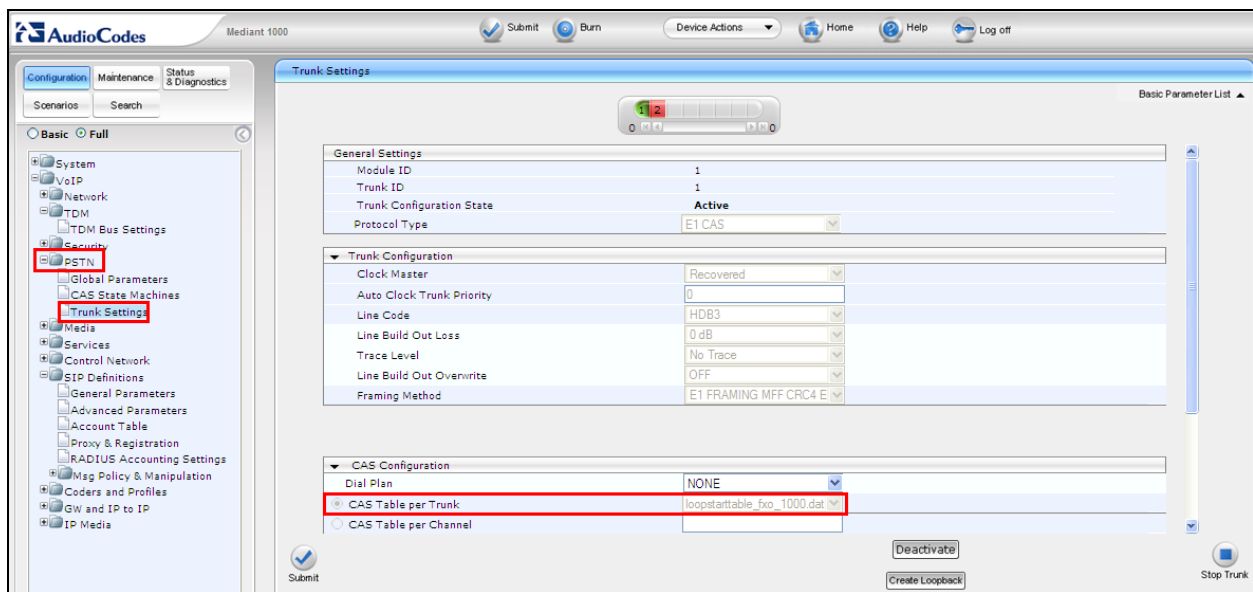
Once logged in correctly the following screen is shown. Select **Configuration** from the left window and select **Full**, highlighted below.



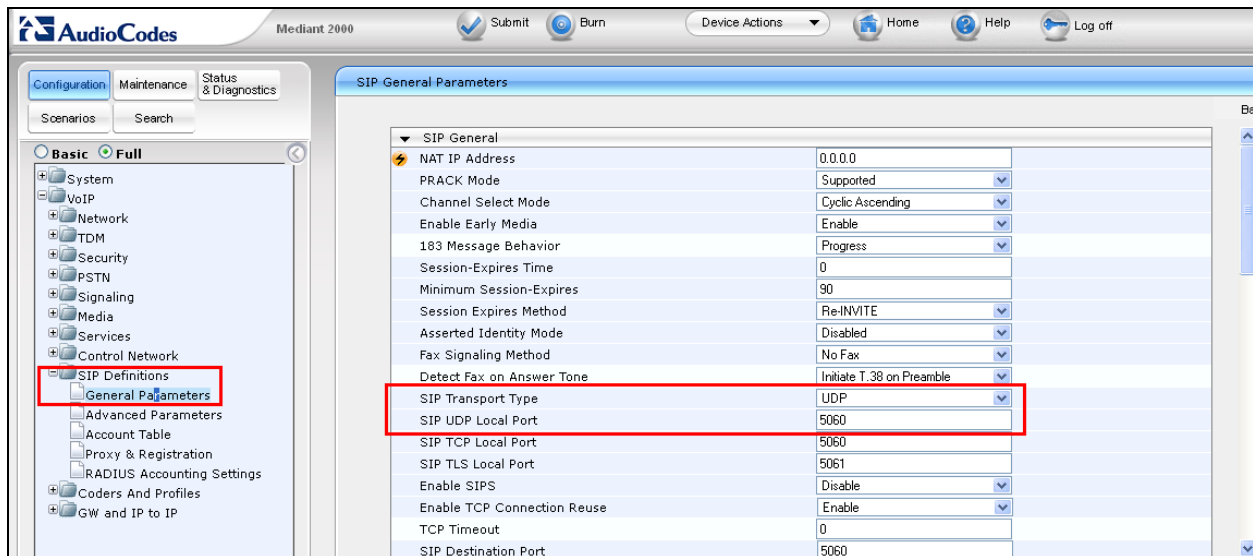
Select **VoIP → TDM → TDM Bus Settings** in the left window. Ensure that **PCM Law Select** is set to the correct setting (as this compliance testing was done in Europe, **ALaw** was selected). This will ensure that all traffic from/to DS3000 is processed as A-Law through the gateway



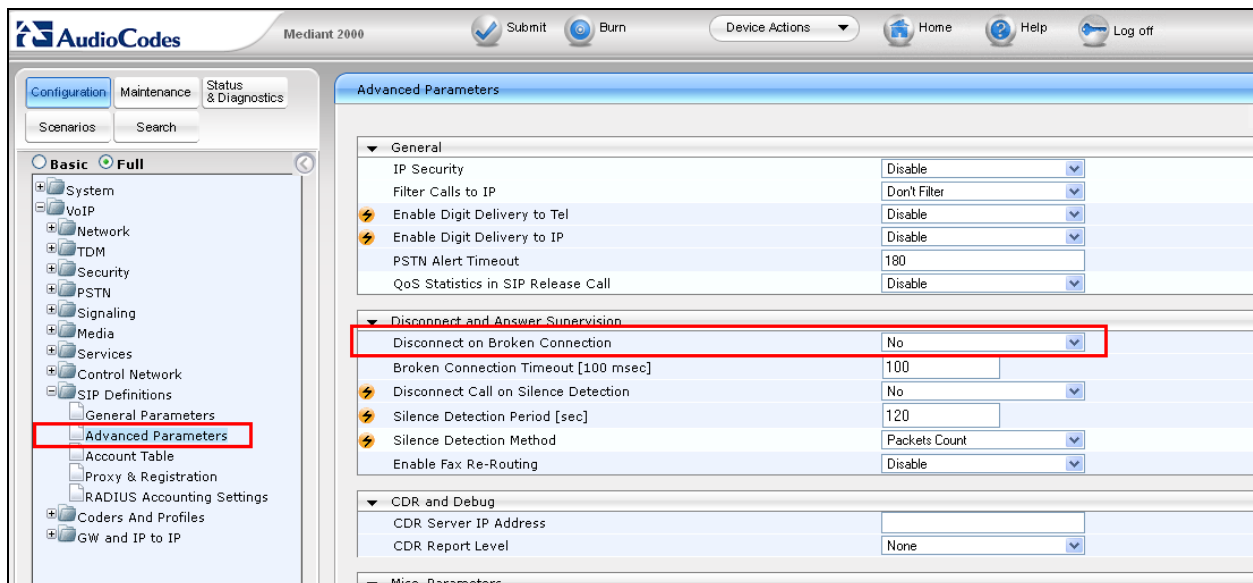
Navigate to **PSTN → Trunk Settings** and under **CAS Table per Trunk** note the **CAS Table per Trunk** is a file provided by Capita in order to connect properly to the CS1000E Lineside E1 allowing for 100ms call answer instead of the Avaya default 2 secs.



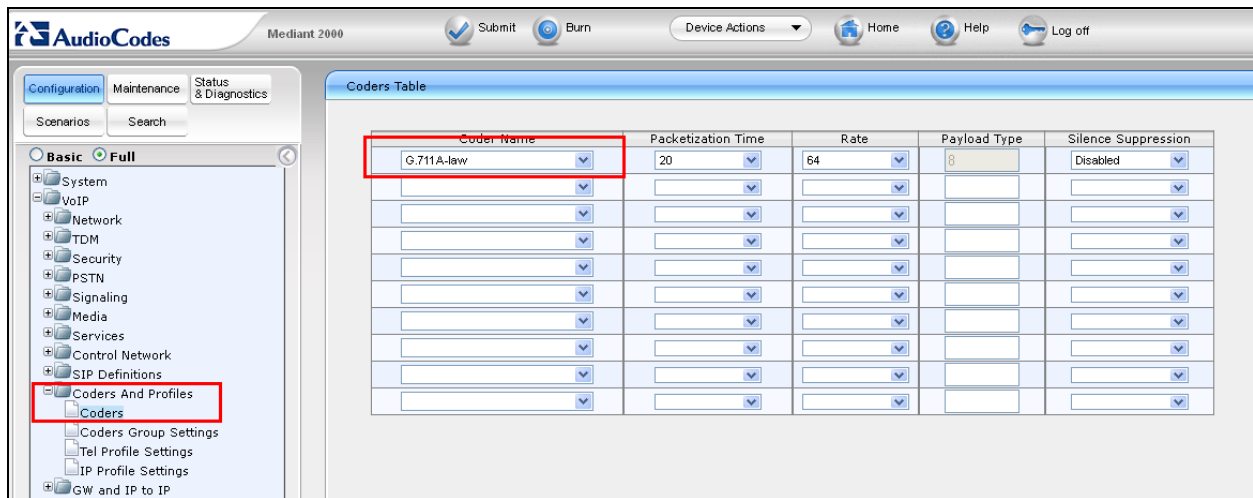
Select **VoIP → SIP Definitions → General Parameters** in the left window. Ensure that **SIP Transport Type** and **SIP UDP Local Port** are set to **UDP** and **5060**.



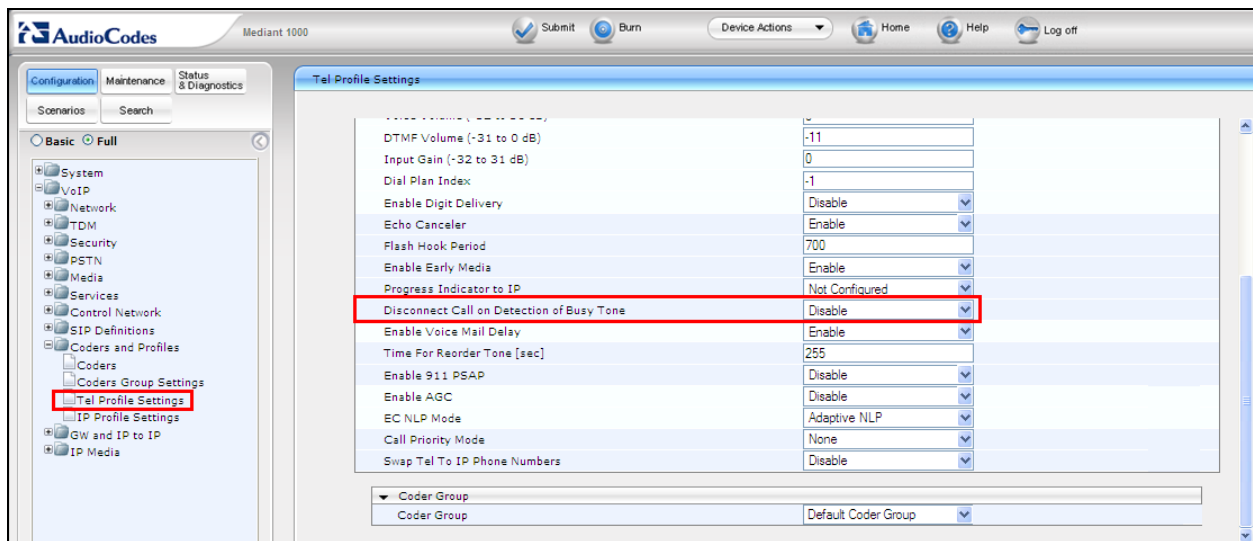
Select **VoIP → SIP Definitions → Advanced Parameters** in the left window. Ensure that **Disconnect on Broken Connection** is set to **No**.



Select **VoIP → Coders and Profiles → Coders** in the left window. Ensure that **Coder Name** is set to the correct Law. As the compliance testing was done in Europe, this was set to **G.711A-Law**.



Navigate to **VoIP → Coders and Profiles → Tel Profile Settings**, in the main window ensure that **Disconnect Call on Detection of Busy Tone** is set to **Disable**.



Select **VoIP → GW and IP to IP → Trunk Group → Trunk Group** from the left window. Enter the position ID for the first Lineside E1 Terminal Number (TN) into **Phone Number**. Note for compliance testing this is the same number created in **Section 5.3**. In each trunk group supported by the gateway set the Phone number for the first channel to the “Position ID” number of the Terminal Number associated with the channel. For example see **Section 5.3** were the Terminal Number 4-0-10-0 has Position ID **1113100** and number 3100. The position ID is the number configured into the DS3000 database to ensure consistency with the manner in which the terminal is identified to the Contact Center via the CCT interface.

The screenshot shows the AudioCodes Mediant 2000 configuration interface. The left sidebar shows the navigation tree with 'Trunk Group' selected under 'GW and IP to IP'. The main window displays the 'Trunk Group Table' configuration page. The table has columns for Group Index, From Trunk, To Trunk, Channels, Phone Number, Trunk Group ID, and Tel Profile ID. The first row (Group Index 1) is highlighted with a red box, showing 'From Trunk' as 1, 'To Trunk' as 1, 'Channels' as 1-30, 'Phone Number' as 1113100, 'Trunk Group ID' as 1, and 'Tel Profile ID' as 1.

Group Index	From Trunk	To Trunk	Channels	Phone Number	Trunk Group ID	Tel Profile ID
1	1	1	1-30	1113100	1	1
2						
3						
4						
5						
6						
7						
8						
9						
10						

Select **VoIP → GW and IP to IP → Routing → General Parameters** from the left window. Ensure that **Yes** is selected for **Replace Empty Destination with B-Channel Phone Number** in the main window. This ensures that the “to” address is valid when SIP calls reach the DS3000.

The screenshot shows the AudioCodes Mediant 2000 configuration interface. The left sidebar shows the navigation tree with 'General Parameters' selected under 'Routing'. The main window displays the 'Routing General Parameters' configuration page. The 'Replace Empty Destination with B-channel Phone Number' option is highlighted with a red box and set to 'Yes'.

General Parameters	
Add Trunk Group ID as Prefix	No
Add Trunk ID as Prefix	No
Replace Empty Destination with B-channel Phone Number	Yes
Add NPI and TON to Called Number	No
Add NPI and TON to Calling Number	No
IP to Tel Remove Routing Table Prefix	No
Source IP Address Input	SIP Contact Header
Enable Alt Routing Tel to IP	Disable
Alt Routing Tel to IP Mode	Both
Alt Routing Tel to IP Connectivity Method	ICMP Ping
Alt Routing Tel to IP Keep Alive Time	60
Source Manipulation Mode	FROM & PAI (after manipulation)
Max Allowed Packet Loss for Alt Routing [%]	20
Max Allowed Delay for Alt Routing [msec]	250

Navigate to **VoIP → GW and IP to IP → Routing → Tel to IP Routing**. In the main window enter the destination phone number prefix (**Dest. Phone Prefix**) and the destination IP address of the device where this number is routed to (**Dest. IP Address**). Ensure that **UDP** is set for the **Transport Type** used with a **Port** of **5060**.

Src. Trunk Group ID	Dest. Phone Prefix	Source Phone Prefix	Dest. IP Address	Port	Transport Type	Dest. IP Group ID	Dest. SRD	IP Profile ID	Status	Charge Code	Cost Group ID
1	1113*	*	10.253.144.206	5060	UDP	-1	-1	0	Not Available		None
2	1113*	*	10.253.144.206	5060	UDP	-1	-1	0	Not Available		None
3					Not Configured	-1					None
4					Not Configured	-1					None
5					Not Configured	-1					None
6					Not Configured	-1					None
7					Not Configured	-1					None
8					Not Configured	-1					None
9					Not Configured	-1					None
10					Not Configured	-1					None

Select **VoIP → GW and IP to IP → Routing → IP to Trunk Group Routing** from the left window. Note that in the example below **6*** and **3*** are selected for outgoing calls. This ensures that all calls beginning with either 3 or 6 will go out the VoIP gateway. This will also ensure that the destination test@a.b.c.d is not routable to the trunk group.

Dest. Host Prefix	Source Host Prefix	Dest. Phone Prefix	Source Phone Prefix	Source IP Address	Trunk Group ID	IP Profile ID
		6*			1	0
		3*			1	0

Select **VoIP → GW and IP to IP → Manipulations → Release Cause Mapping** from the left window. Ensure that **3** is entered for the **Q.850 Cause** and **500** is entered for the **SIP Response**. This will ensure that the DS3000 is able to check for Mediant Gateway availability. Once all the configuration is completed, click on **Submit** and then **Burn** at the top of the page.

AudioCodes Mediant 2000

Submit Burn Device Actions Home Help Log off

Configuration Maintenance Status & Diagnostics

Scenarios Search

Basic Full

- PSTN
- Signaling
- Media
- Services
- Control Network
- SIP Definitions
- Coders And Profiles
- GW and IP to IP
- Trunk Group
- Manipulations
 - General Settings
 - Dest Number IP->Tel
 - Dest Number Tel->IP
 - Calling Name Ip->Tel
 - Calling Name Tel->IP
 - Source Number IP->Tel
 - Source Number Tel->IP
 - Redirect Number IP -> Tel
 - Redirect Number Tel->IP
 - Phone Context
 - Release Cause Mapping**
- Routing
- DTMF and Supplementary

Release Cause Mapping

Release Cause Mapping from ISDN to SIP

	Q.850 Cause	SIP Response
1	3	500
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Release Cause Mapping from SIP to ISDN

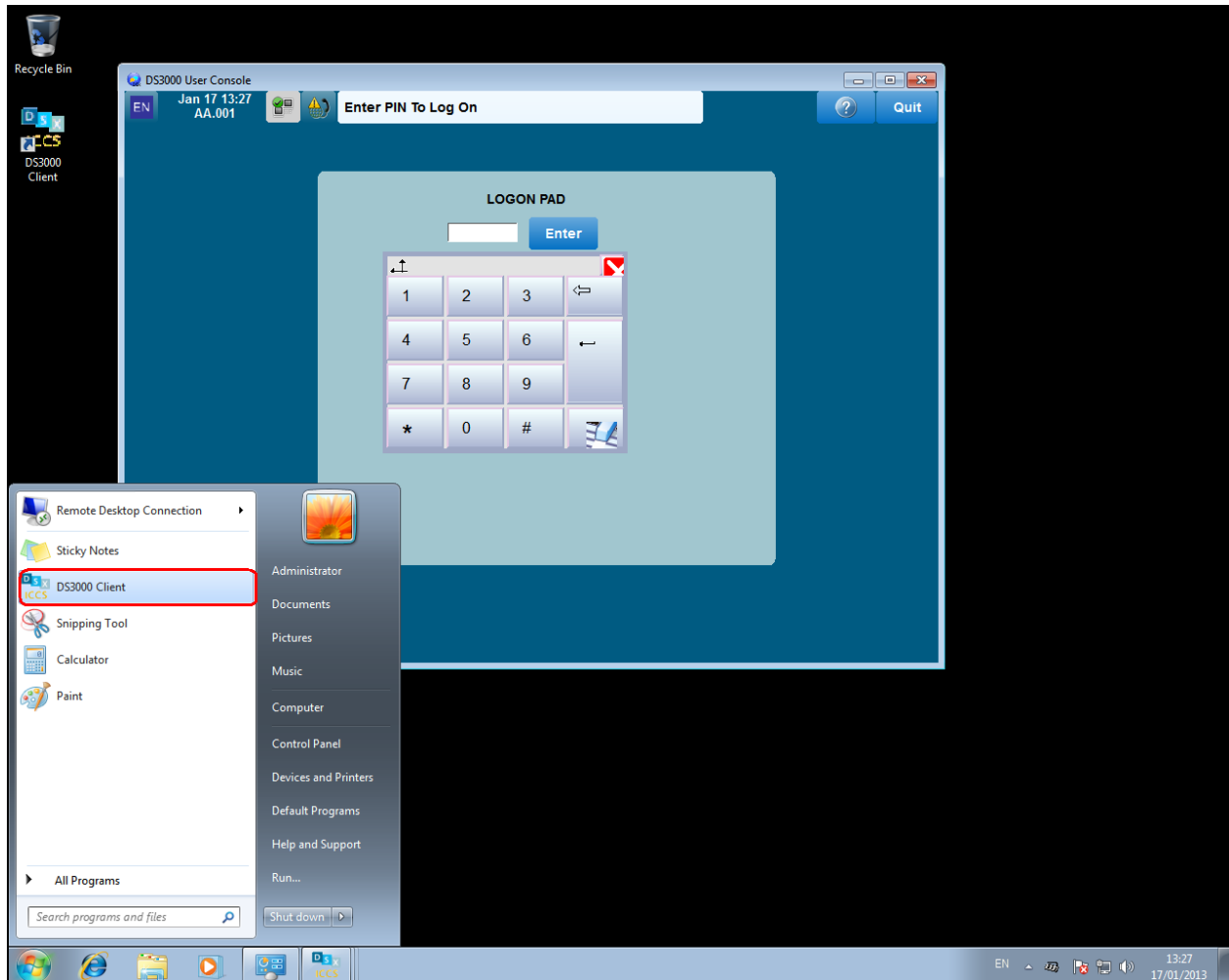
	SIP Response	Q.850 Cause
1		

8. Configure Capita DS3000 Application

The following sections describe the step required to configure the DS3000 application in order to connect successfully with the Lineside E1 card on the CS1000E.

8.1. Configure the DS3000 extension numbers

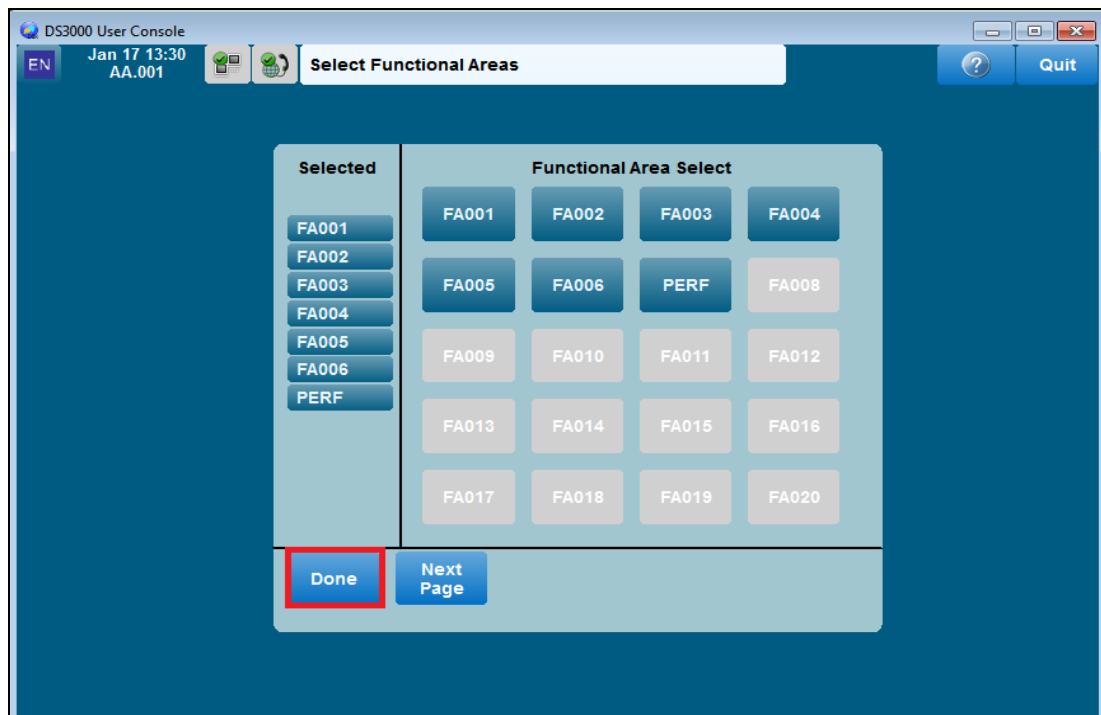
Open the **DS3000 Client** on the DS3000 Client machine. Enter the correct credentials on the **LOGON PAD**.



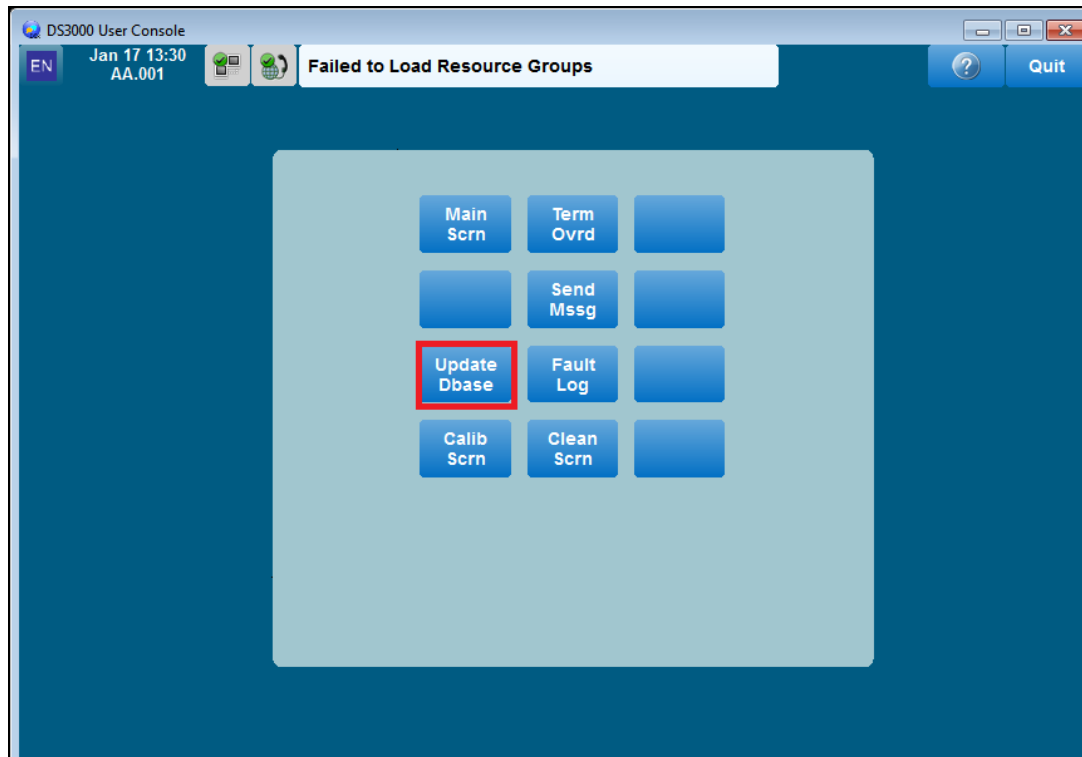
Click on **Resume** at the bottom of the screen as highlight.



Select **Done** at the bottom of the screen as highlighted.



Click on the **UpdateDbase** button highlighted.



8.1.1. Configure ACD Extensions

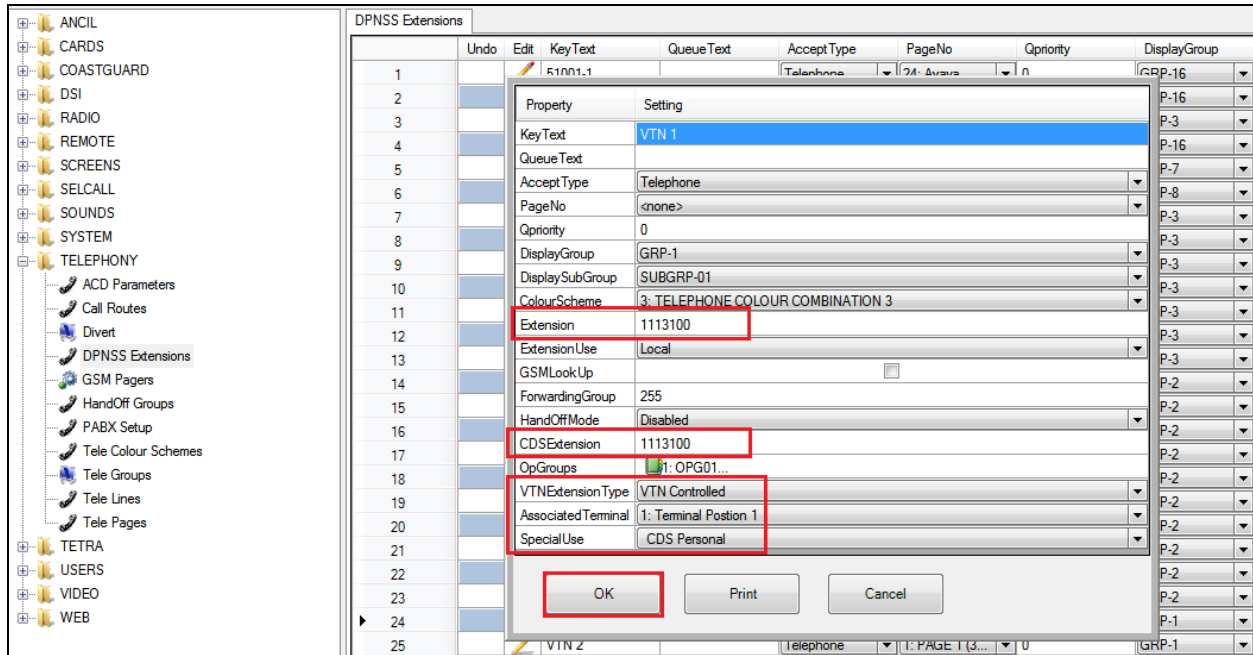
Note that the ACD extensions are already populated in the database and these are configured by selecting the icon highlighted below.

	DPNSS Extensions		User Profiles		KeyText	QueueText	AcceptType	PageNo	Qpriority	DisplayGroup	DisplaySubGroup	ColourS
	Undo	Edit										
1					51001-1		Telephone	24: Avaya	0	GRP-16	SUBGRP-01	1. TELE
2					51002-2		Telephone	24: Avaya	0	GRP-16	SUBGRP-01	1. TELE
3					EXT 49902		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
4					EXT 49903		Telephone	1: PAGE 1 (3...	0	GRP-16	SUBGRP-32	1. TELE
5					EXT 49904		Telephone	1: PAGE 1 (3...	0	GRP-7	SUBGRP-01	1. TELE
6					EXT 49905		Telephone	1: PAGE 1 (3...	0	GRP-8	SUBGRP-32	1. TELE
7					EXT 49906		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
8					COMB 1142		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	3. TELE
9					EXT 49908		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
10					EXT 49909		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
11					EXT 49910		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
12					EXT 49911		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
13					EXT 49912		Telephone	1: PAGE 1 (3...	0	GRP-3	SUBGRP-01	1. TELE
14					50000		Telephone	24: Avaya	0	GRP-2	SUBGRP-01	1. TELE
15					50001		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
16					50002		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
17					50003		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
18					50004		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
19					50005		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
20					50006		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
21					50007		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
22					50008		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
23					50009		Telephone	1: PAGE 1 (3...	0	GRP-2	SUBGRP-01	1. TELE
24					VTN 1		Telephone	<none>	0	GRP-1	SUBGRP-01	3. TELE
25					VTN 2		Telephone	1: PAGE 1 (3...	0	GRP-1	SUBGRP-01	3. TELE
26					VTN 3		Telephone	2: PAGE 2 (3...	0	GRP-1	SUBGRP-01	1. TELE
27					VTN 4		Telephone	2: PAGE 2 (3...	0	GRP-1	SUBGRP-01	1. TELE

Once selected the window below opens, ensure that the following are selected:

- Position ID (**1113100**) configured in **Section 5.3** for the **Extension** and **CDSExtension**
- **VTN Controlled** for **VTNExtensionType**
- **Terminal Position n** for **AssociatedTerminal** where special use below is CDS Personal (n is DS3000 operator console number in range 1 to 245)
- **CDS Personal** or **CDS Pool** as required for **SpecialUse**

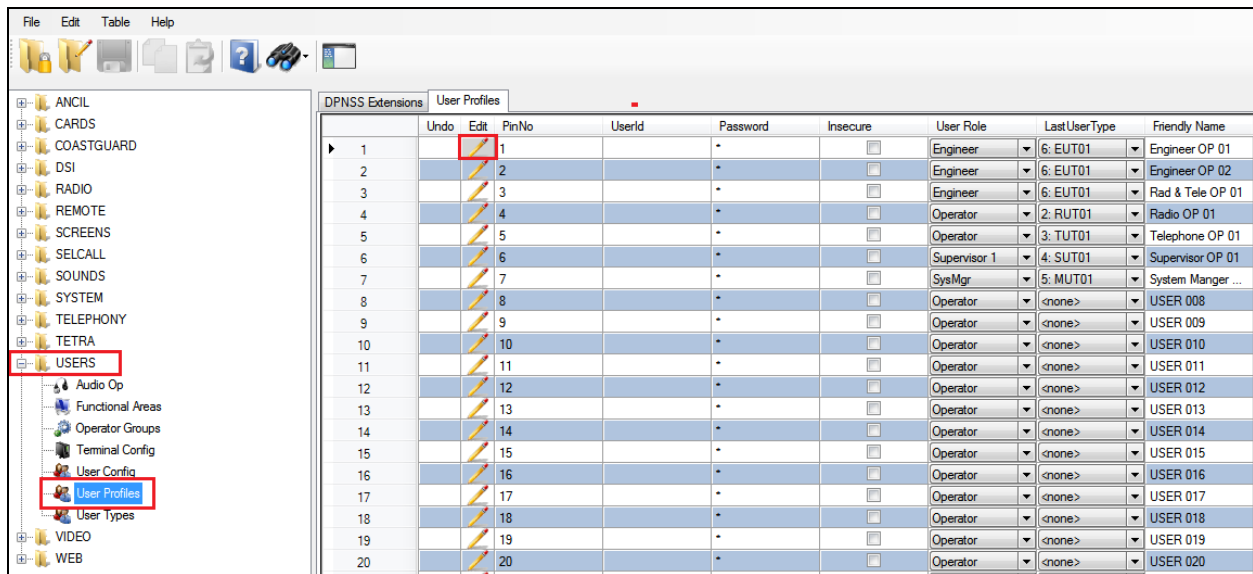
Click on **OK** once completed.



8.1.2. Configure ACD Users

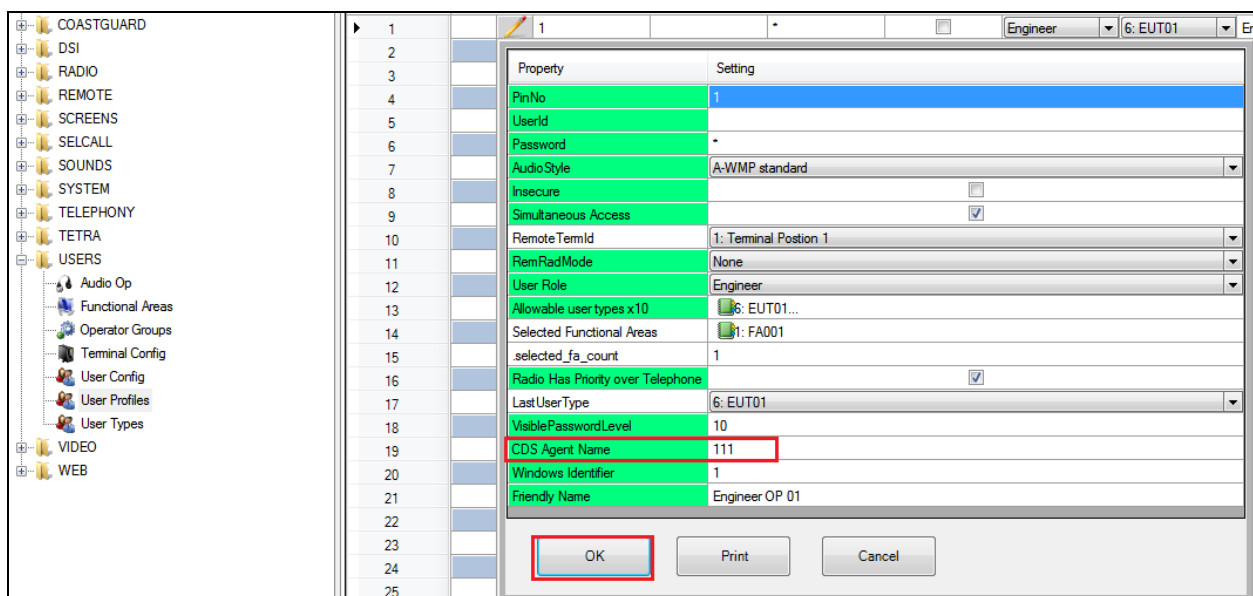
Select **USERS** → **User Profiles** in the left window and select user 1 by clicking the icon highlighted below.

Note: The Agent Login ID is formed by concatenating two pieces of information so that each user can have different ACD agent profiles dependant on the operational role. It is recommended that customers consult with Capita for explanation of configuration options available to assist with definition of Contact Center and DS3000 data configuration.



	Undo	Edit	PinNo	Userid	Password	Insecure	User Role	LastUserType	Friendly Name
1			1		*	<input type="checkbox"/>	Engineer	6: EUT01	Engineer OP 01
2			2		*	<input type="checkbox"/>	Engineer	6: EUT01	Engineer OP 02
3			3		*	<input type="checkbox"/>	Engineer	6: EUT01	Rad & Tele OP 01
4			4		*	<input type="checkbox"/>	Operator	2: RUT01	Radio OP 01
5			5		*	<input type="checkbox"/>	Operator	3: TUT01	Telephone OP 01
6			6		*	<input type="checkbox"/>	Supervisor 1	4: SUT01	Supervisor OP 01
7			7		*	<input type="checkbox"/>	SysMgr	5: MUT01	System Manger ...
8			8		*	<input type="checkbox"/>	Operator	<none>	USER 008
9			9		*	<input type="checkbox"/>	Operator	<none>	USER 009
10			10		*	<input type="checkbox"/>	Operator	<none>	USER 010
11			11		*	<input type="checkbox"/>	Operator	<none>	USER 011
12			12		*	<input type="checkbox"/>	Operator	<none>	USER 012
13			13		*	<input type="checkbox"/>	Operator	<none>	USER 013
14			14		*	<input type="checkbox"/>	Operator	<none>	USER 014
15			15		*	<input type="checkbox"/>	Operator	<none>	USER 015
16			16		*	<input type="checkbox"/>	Operator	<none>	USER 016
17			17		*	<input type="checkbox"/>	Operator	<none>	USER 017
18			18		*	<input type="checkbox"/>	Operator	<none>	USER 018
19			19		*	<input type="checkbox"/>	Operator	<none>	USER 019
20			20		*	<input type="checkbox"/>	Operator	<none>	USER 020

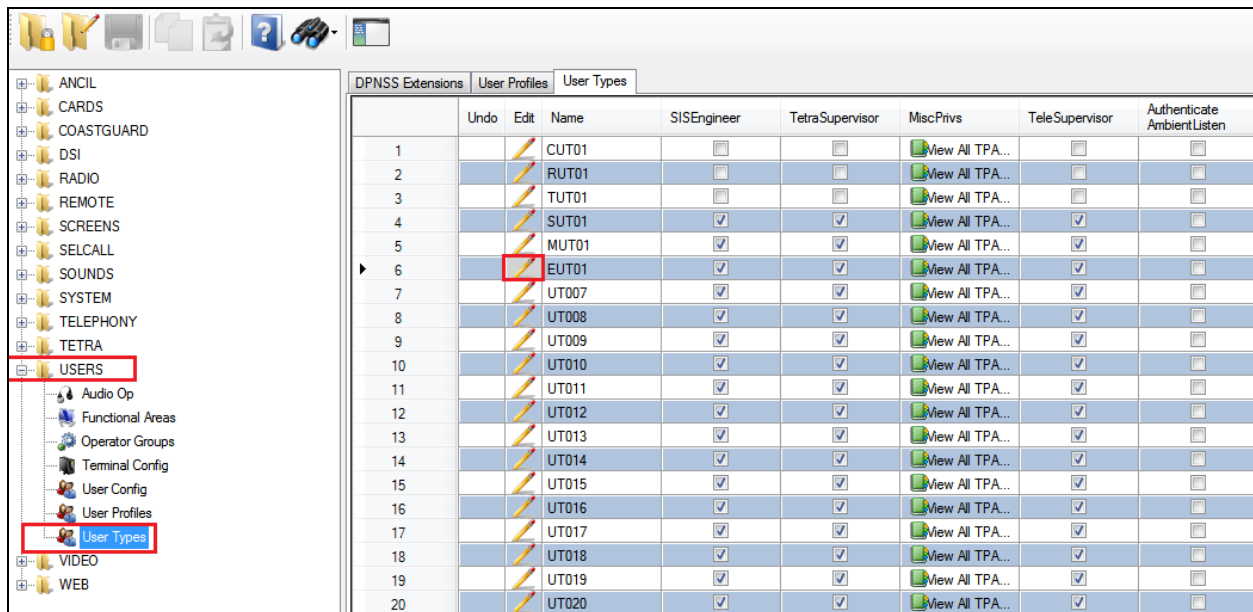
Note the **CDS Agent Name** is **111** which correspond to 9(111) which is the configured Agent Login ID from **Section 6.2**. Click on **OK** once completed.



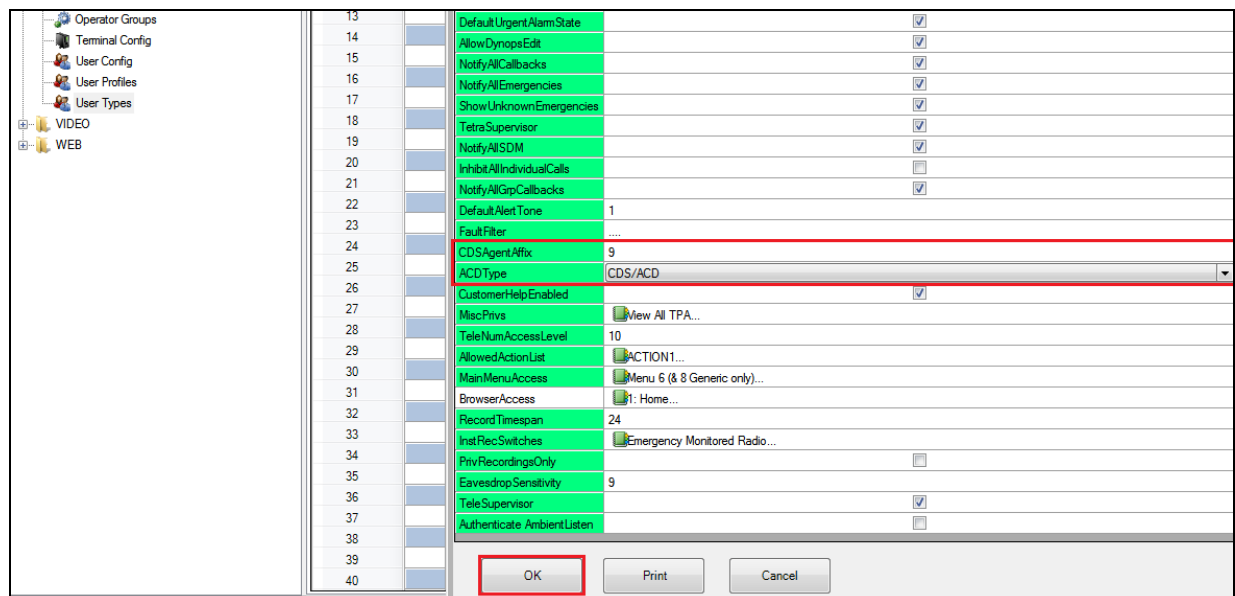
Property	Setting
PinNo	1
Userid	
Password	*
AudioStyle	A-WMP standard
Insecure	<input type="checkbox"/>
Simultaneous Access	<input checked="" type="checkbox"/>
RemoteTermId	1: Terminal Postion 1
RemRadMode	None
User Role	Engineer
Allowable user types x10	6: EUT01...
Selected Functional Areas	1: FA001
selected_fa_count	1
Radio Has Priority over Telephone	<input checked="" type="checkbox"/>
LastUserType	6: EUT01
VisiblePasswordLevel	10
CDS Agent Name	111
Windows Identifier	1
Friendly Name	Engineer OP 01

OK Print Cancel

Select **USERS** → **User Types** from the left window. The user type used in the compliance test was **EUT01**. This user type was already in the database but in order to configure it click on the icon highlighted below.



The resulting window is opened, scroll down to the bottom and note that **CDSAgentAffix** is set to **9** which corresponds to the (9)111 agent login ID configured in **Section 6.2**. Click on **OK** once completed.

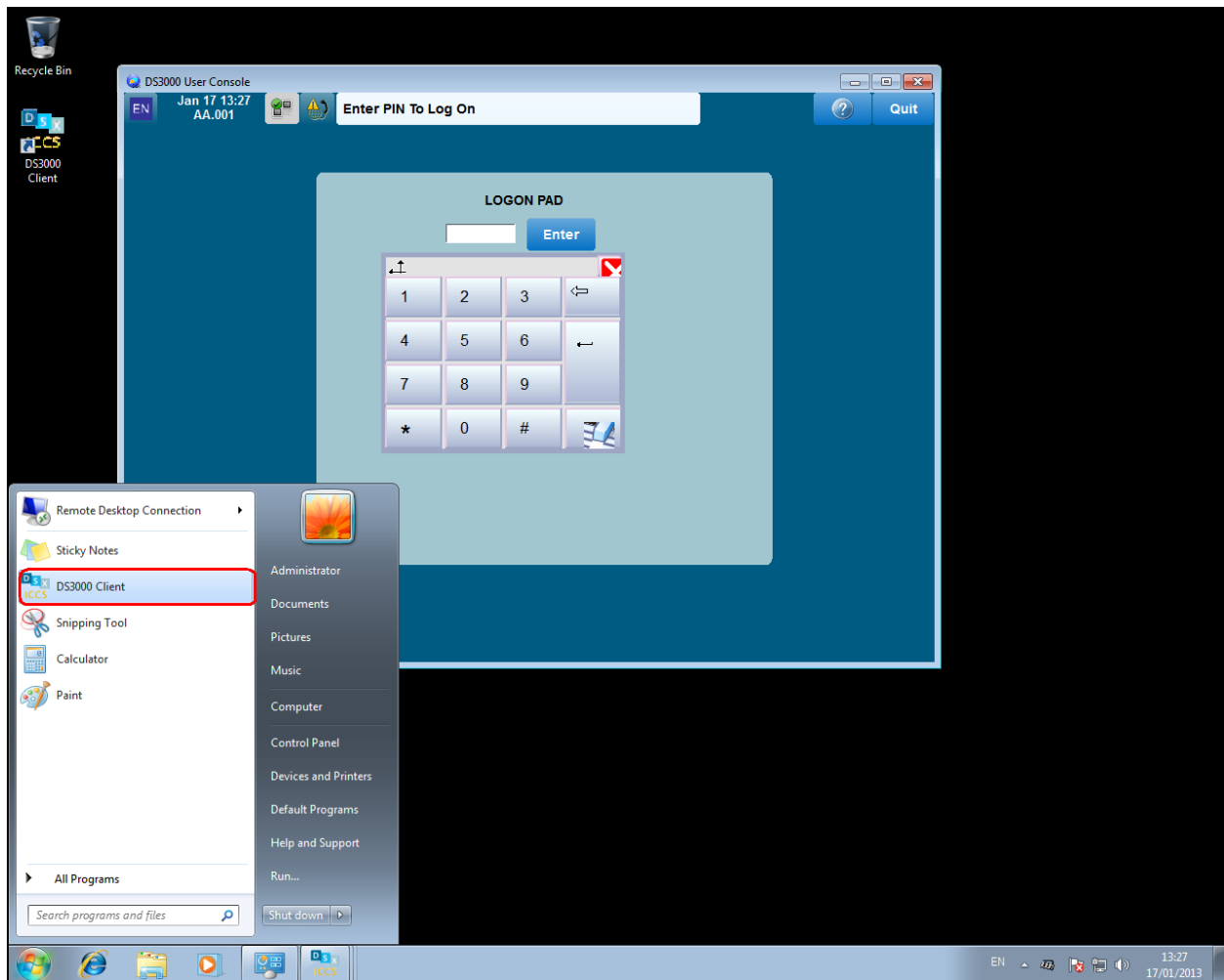


9. Verification Steps

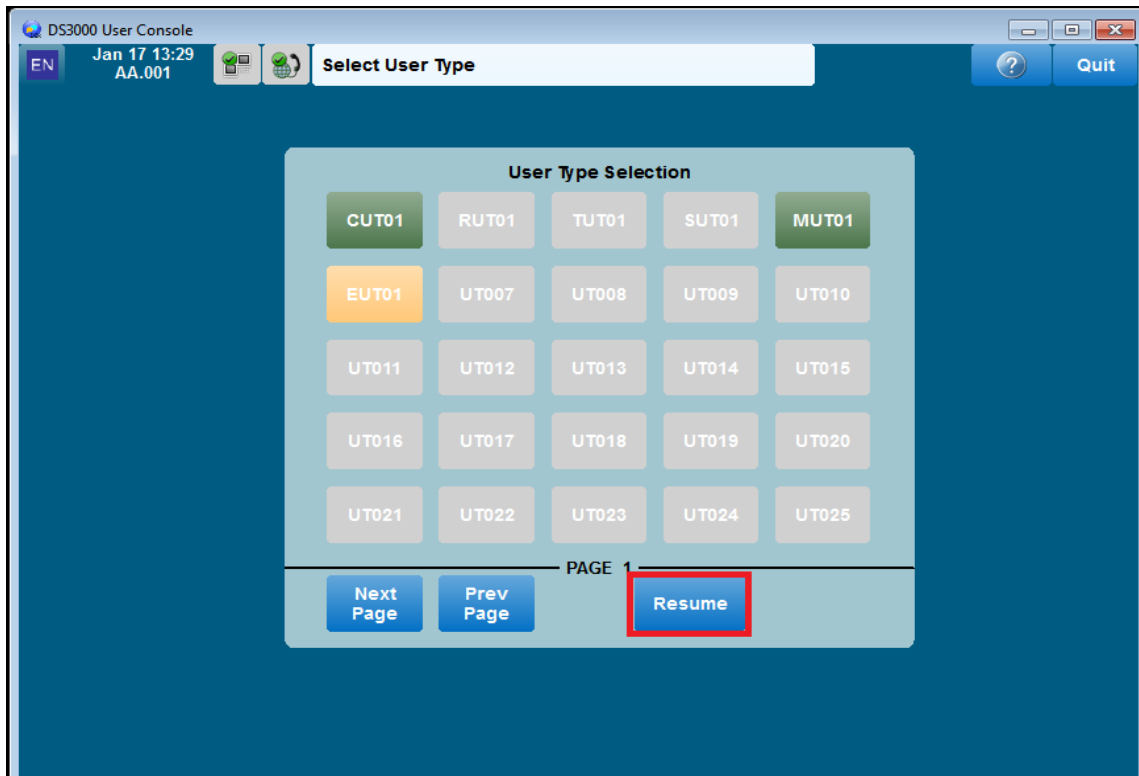
The following step can be taken to ensure that all connections between Capita's DS3000 Solution and the Avaya Solution are configured correctly. Make a call to the CDN associated with the DS3000 and verify that the caller can be heard or call the extension (DN) of the Lineside E1 channel directly such as 3100 in this example.

9.1. Verify that calls can be made to the DS3000

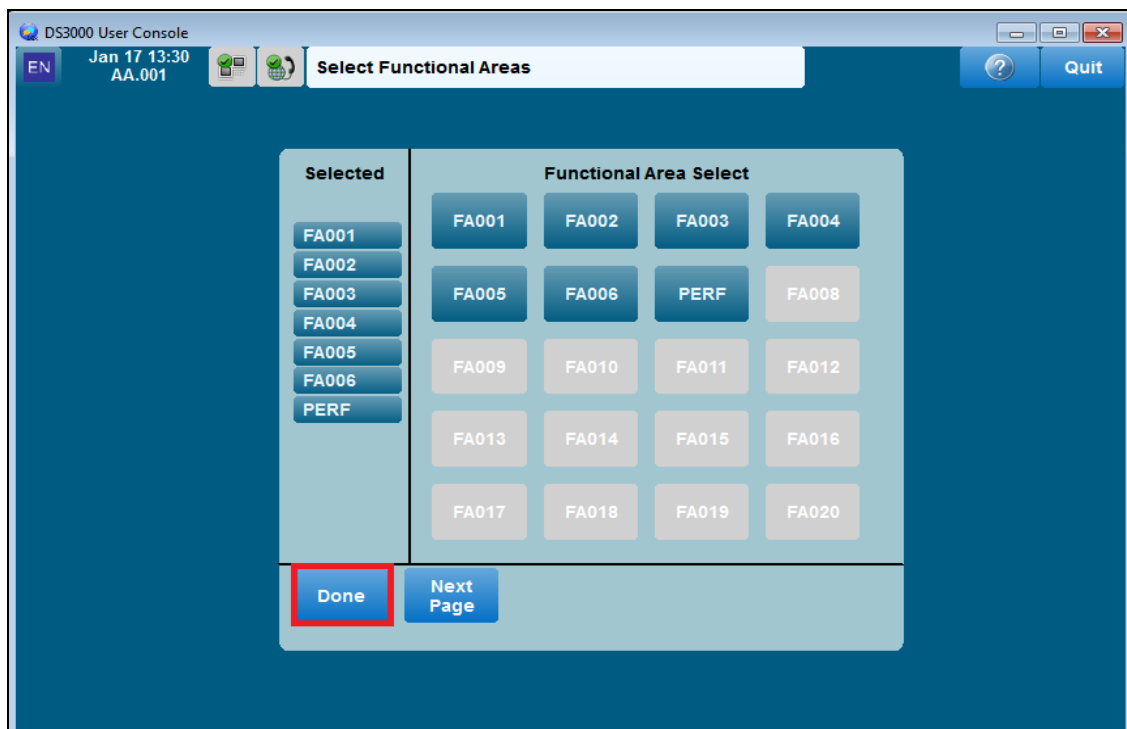
Open the **DS3000 Client** on the DS3000 Client machine. Enter the correct credentials on the **LOGON PAD**.



Click on **Resume** at the bottom of the screen as highlight.



Select **Done** at the bottom of the screen as highlighted.



Click on the **Main Scrn** button highlighted below.



Once a call is presented to the Lineside E1 the following screen should appear. Click on the **VTN 1** button highlighted to take the call. Please note that under ACD operation calls will be auto answered and the agent does not need to touch a key. In this example a direct call was made from **3206** to 3100 to test the Lineside E1 line 3100.



Once the call is taken the following screen appears showing that caller **3206** called.



10. Conclusion

These Application Notes describe the configuration steps required for DS3000 from Capita Secure Information Solutions to successfully interoperate with Avaya Aura® Contact Center R6.4 and Avaya Communication Server 1000E R7.6 using a Lineside E1 connection. Please refer to **Section 2.2** for test results and observations.

11. Additional References

This section references documentation relevant to these Application Notes. The Avaya product documentation is available at <http://support.avaya.com> where the following documents can be obtained.

- [1] *Software Input Reference Administration Avaya Communication Server 1000, Release 7.6*; Document No. NN43001-611_05.02
- [2] *Avaya Aura® Contact Center Administration*, Doc # NN44400-610, Issue 04.02 Release 6.4
- [3] *Unified Communications Management Common Services Fundamentals Avaya Communication Server 1000*, Doc # NN43001-116, 05.08
- [4] *Element Manager System Reference –Administration Avaya Communication Server 1000* Doc # NN43001-632, 05.04
- [5] *AAOA Installation and Commissioning Guide Release 6.2* NN44400-330 03.02 24 August 2011
- [6] *Application Notes for Configuring Capita Secure Information Solutions DS3000 with Avaya Aura® Contact Center R6.3 and Avaya Communication Server 1000E R7.5 using a Lineside E1 Connection*

Product documentation for DS3000 can be requested from Capita or may be downloaded from <http://www.capitasecureinformationsolutions.co.uk>

Appendix A

Linux Patches on Avaya Communication Server 1000E R7.6

Product Release: 7.65.16.00

In system patches: 0

In System service updates: 26

PATCH#	IN_SERVICE	DATE	SPECINS	REMOVABLE	NAME
2	Yes	27/08/13	NO	YES	cs1000-dmWeb-7.65.16.21-01.i386.000
3	Yes	28/08/13	NO	yes	cs1000-snmp-7.65.16.00-01.i686.000
4	Yes	28/08/13	NO	YES	cs1000-nrsm-7.65.16.00-03.i386.000
5	Yes	28/08/13	NO	YES	cs1000-oam-logging-7.65.16.01-01.i386.000
6	Yes	28/08/13	NO	yes	cs1000-cs1000WebService_6-0-7.65.16.21-00.i386.000
7	Yes	28/08/13	NO	YES	cs1000-sps-7.65.16.21-01.i386.000
8	Yes	28/08/13	NO	YES	cs1000-pd-7.65.16.21-00.i386.000
9	Yes	28/08/13	NO	YES	cs1000-shared-carrdtct-7.65.16.21-01.i386.000
10	Yes	28/08/13	NO	YES	cs1000-shared-tpselect-7.65.16.21-01.i386.000
11	Yes	28/08/13	NO	YES	cs1000-emWebLocal_6-0-7.65.16.21-01.i386.000
12	Yes	28/08/13	NO	yes	cs1000-dbcom-7.65.16.21-00.i386.000
13	Yes	28/08/13	NO	YES	cs1000-csmWeb-7.65.16.21-05.i386.000
14	Yes	28/08/13	NO	YES	cs1000-shared-xmsg-7.65.16.21-00.i386.000
15	Yes	28/08/13	NO	YES	cs1000-vtrk-7.65.16.21-29.i386.000
16	Yes	28/08/13	NO	YES	cs1000-tps-7.65.16.21-05.i386.000
17	Yes	28/08/13	NO	YES	cs1000-mscAnnc-7.65.16.21-02.i386.001
18	Yes	28/08/13	NO	YES	cs1000-mscAttn-7.65.16.21-04.i386.001
19	Yes	28/08/13	NO	YES	cs1000-mscConf-7.65.16.21-02.i386.001
20	Yes	28/08/13	NO	YES	cs1000-mscMusc-7.65.16.21-02.i386.001
21	Yes	28/08/13	NO	YES	cs1000-mscTone-7.65.16.21-03.i386.001
22	Yes	28/08/13	NO	YES	cs1000-bcc-7.65.16.21-21.i386.000
23	Yes	28/08/13	NO	YES	cs1000-Jboss-Quantum-7.65.16.21-3.i386.000
24	Yes	28/08/13	NO	YES	cs1000-emWeb_6-0-7.65.16.21-06.i386.000
25	Yes	10/12/13	NO	yes	cs1000-cs-7.65.P.100-01.i386.001
26	Yes	10/12/13	YES	yes	cs1000-linuxbase-7.65.16.21-08.i386.000
27	Yes	10/12/13	NO	YES	cs1000-patchWeb-7.65.16.21-06.i386.000

[paul@cs1kpg1 ~]\$

Call Server Patches on Avaya Communication Server 1000E R7.6

VERSION 4121
RELEASE 7
ISSUE 65 P +
DepList 1: core Issue: 01 (created: 2014-06-24 04:38:41 (est))

IN-SERVICE PEPS

PAT#	CR #	PATCH REF #	NAME	DATE	FILENAME	SPECINS
000	wi01052968	ISS1:1OF1	p32540_1	18/08/2014	p32540_1.cpl	NO
001	wi01045058	ISS1:1OF1	p32214_1	18/08/2014	p32214_1.cpl	NO
002	wi01085855	ISS1:1OF1	p32658_1	18/08/2014	p32658_1.cpl	NO
003	wi01053314	ISS1:1OF1	p32555_1	18/08/2014	p32555_1.cpl	NO
004	wi01060382	iss1:1of1	p32623_1	18/08/2014	p32623_1.cpl	YES
005	wi01070580	ISS1:1OF1	p32380_1	18/08/2014	p32380_1.cpl	NO
006	wi01101876	ISS1:1OF1	p32858_1	18/08/2014	p32858_1.cpl	NO
007	wi01061481	ISS1:1OF1	p32382_1	18/08/2014	p32382_1.cpl	NO
008	wi01124074	ISS1:1OF1	p32989_1	18/08/2014	p32989_1.cpl	NO
009	wi01099300	iss1:1of1	p32704_1	18/08/2014	p32704_1.cpl	NO
010	wi01035976	ISS1:1OF1	p32173_1	18/08/2014	p32173_1.cpl	NO
011	wi01065922	ISS1:1OF1	p32516_1	18/08/2014	p32516_1.cpl	NO
012	WI01121737	ISS1:1OF1	p32939_1	21/08/2014	p32939_1.cpl	NO
013	wi01041453	ISS1:1OF1	p32587_1	18/08/2014	p32587_1.cpl	NO
014	wi01096842	ISS1:1OF1	p32731_1	18/08/2014	p32731_1.cpl	NO
015	WI0110261	ISS1:1OF1	p32758_1	18/08/2014	p32758_1.cpl	NO
016	wi01064599	iss1:1of1	p32580_1	18/08/2014	p32580_1.cpl	NO
017	wi01098783	ISS1:1OF1	p32748_1	18/08/2014	p32748_1.cpl	NO
018	wi01072027	ISS1:1OF1	p32689_1	18/08/2014	p32689_1.cpl	NO
019	wi01059388	iss1:1of1	p32628_1	18/08/2014	p32628_1.cpl	NO
020	wi01104410	ISS1:1OF1	p32801_1	18/08/2014	p32801_1.cpl	NO
021	wi00933195	ISS1:1OF1	p32491_1	18/08/2014	p32491_1.cpl	NO
022	wi01150771	ISS1:1OF1	p33210_1	21/08/2014	p33210_1.cpl	NO
023	wi01065118	ISS1:1OF1	p32397_1	18/08/2014	p32397_1.cpl	NO
024	wi01063864	ISS1:1OF1	p32410_1	18/08/2014	p32410_1.cpl	YES
025	wi01096712	ISS1:1OF1	p32708_1	18/08/2014	p32708_1.cpl	NO
026	wi01075359	ISS1:1OF1	p32671_1	18/08/2014	p32671_1.cpl	NO
027	wi01080753	ISS1:1OF1	p32518_1	18/08/2014	p32518_1.cpl	NO
028	wi01070473	ISS1:1OF1	p32413_1	18/08/2014	p32413_1.cpl	NO
029	wi01075355	ISS1:1OF1	p32594_1	18/08/2014	p32594_1.cpl	NO
030	wi01071379	ISS1:1OF1	p32522_1	18/08/2014	p32522_1.cpl	NO
031	wi01070756	ISS1:1OF1	p32444_1	18/08/2014	p32444_1.cpl	NO
032	wi01075353	ISS1:1OF1	p32613_1	18/08/2014	p32613_1.cpl	NO
033	wi01062607	ISS1:1OF1	p32503_1	18/08/2014	p32503_1.cpl	NO
034	wi01068851	ISS1:1OF1	p32439_1	18/08/2014	p32439_1.cpl	NO
035	wi01144354	ISS1:1OF1	p33117_1	21/08/2014	p33117_1.cpl	NO
036	wi01092300	ISS1:1OF1	p32692_1	18/08/2014	p32692_1.cpl	NO
037	wi01063263	ISS1:1OF1	p32573_1	18/08/2014	p32573_1.cpl	NO
038	wi01087528	ISS1:1OF1	p32700_1	18/08/2014	p32700_1.cpl	NO
039	wi01150846	ISS1:1OF1	p33157_1	21/08/2014	p33157_1.cpl	NO
040	wi01039280	ISS1:1OF1	p32423_1	18/08/2014	p32423_1.cpl	NO
041	wi01068669	ISS1:1OF1	p32333_1	18/08/2014	p32333_1.cpl	NO
042	wi01069441	ISS1:1OF1	p32097_1	18/08/2014	p32097_1.cpl	NO
043	wi01058621	ISS1:1OF1	p32339_1	18/08/2014	p32339_1.cpl	NO
044	wi01146804	ISS1:1OF1	p33132_1	21/08/2014	p33132_1.cpl	NO
045	wi01070465	iss1:1of1	p32562_1	18/08/2014	p32562_1.cpl	NO
046	wi01053920	ISS1:1OF1	p32303_1	18/08/2014	p32303_1.cpl	NO
047	wi00897254	ISS1:1OF1	p31127_1	18/08/2014	p31127_1.cpl	NO
048	wi01057403	ISS1:1OF1	p32591_1	18/08/2014	p32591_1.cpl	NO
049	wi01066991	ISS1:1OF1	p32449_1	18/08/2014	p32449_1.cpl	NO
050	wi01094305	ISS1:1OF1	p32640_1	18/08/2014	p32640_1.cpl	NO

051	wi01060611	ISS1:1OF1	p32809_1	18/08/2014	p32809_1.cpl	NO
052	wi01137694	ISS1:1OF1	p33081_1	21/08/2014	p33081_1.cpl	NO
053	wi01060241	ISS1:1OF1	p32381_1	18/08/2014	p32381_1.cpl	NO
054	wi01034307	ISS1:1OF1	p32615_1	18/08/2014	p32615_1.cpl	NO
055	wi01052428	ISS1:1OF1	p32606_1	18/08/2014	p32606_1.cpl	NO
056	wi00884716	ISS1:1OF1	p32517_1	18/08/2014	p32517_1.cpl	NO
057	wi01070468	iss1:1of1	p32418_1	18/08/2014	p32418_1.cpl	NO
058	wi01091447	ISS1:1OF1	p32675_1	18/08/2014	p32675_1.cpl	NO
059	wi01156999	ISS1:1OF1	p33180_1	21/08/2014	p33180_1.cpl	NO
060	wi01132599	ISS1:1OF1	p33025_1	18/08/2014	p33025_1.cpl	NO
061	wi01065125	ISS1:1OF1	p32416_1	18/08/2014	p32416_1.cpl	NO
062	wi01056633	ISS1:1OF1	p32322_1	18/08/2014	p32322_1.cpl	NO
063	wi01078721	ISS1:1OF1	p32553_1	18/08/2014	p32553_1.cpl	NO
064	wi01053597	ISS1:1OF1	p32304_1	18/08/2014	p32304_1.cpl	NO
065	wi01132883	ISS1:1OF1	p33030_1	18/08/2014	p33030_1.cpl	NO
066	wi01025156	ISS1:1OF1	p32136_1	18/08/2014	p32136_1.cpl	NO
067	wi01088775	ISS1:1OF1	p32659_1	18/08/2014	p32659_1.cpl	NO
068	wi01114038	ISS1:1OF1	p32869_1	18/08/2014	p32869_1.cpl	NO
069	wi01075360	iss1:1of1	p32602_1	18/08/2014	p32602_1.cpl	NO
070	wi01053195	ISS1:1OF1	p32297_1	18/08/2014	p32297_1.cpl	NO
071	wi01043367	ISS1:1OF1	p32232_1	18/08/2014	p32232_1.cpl	NO
072	wi01082456	ISS1:1OF1	p32596_1	18/08/2014	p32596_1.cpl	NO
073	wi01089519	ISS1:1OF1	p32665_1	18/08/2014	p32665_1.cpl	NO
074	wi01105888	ISS1:1OF1	p32794_1	18/08/2014	p32794_1.cpl	NO
075	wi01132215	ISS1:1OF1	p33084_1	21/08/2014	p33084_1.cpl	NO
076	wi01035980	ISS1:1OF1	p32558_1	18/08/2014	p32558_1.cpl	NO
077	wi01087543	ISS1:1OF1	p32662_1	18/08/2014	p32662_1.cpl	NO
078	wi01060826	ISS1:1OF1	p32379_1	18/08/2014	p32379_1.cpl	NO
079	wi01167427	ISS1:1OF1	p33264_1	21/08/2014	p33264_1.cpl	NO
080	wi01034961	ISS1:1OF1	p32144_1	18/08/2014	p32144_1.cpl	NO
081	wi01142525	ISS1:1OF1	p33096_1	21/08/2014	p33096_1.cpl	NO
082	WI01077073	ISS1:1OF1	p32534_1	18/08/2014	p32534_1.cpl	NO
083	wi01133985	ISS1:1OF1	p33049_1	18/08/2014	p33049_1.cpl	NO
084	wi01138714	ISS2:1OF1	p33065_2	21/08/2014	p33065_2.cpl	NO
085	wi01130836	ISS1:1OF1	p33008_1	18/08/2014	p33008_1.cpl	YES
086	wi01118928	ISS1:1OF1	p32922_1	18/08/2014	p32922_1.cpl	NO
087	wi01070585	ISS1:1OF1	p32383_1	18/08/2014	p32383_1.cpl	NO
088	wi01071296	ISS1:1OF1	p32836_1	18/08/2014	p32836_1.cpl	NO
089	wi01089355	ISS1:1OF1	p32674_1	18/08/2014	p32674_1.cpl	YES
090	wi01119312	ISS1:1OF1	p32919_1	18/08/2014	p32919_1.cpl	NO
091	wi01134952	ISS1:1OF1	p33039_1	18/08/2014	p33039_1.cpl	NO
092	wi01124477	ISS1:1OF1	p32963_1	18/08/2014	p32963_1.cpl	NO
093	wi01156086	ISS1:1OF1	p33269_1	21/08/2014	p33269_1.cpl	NO
094	wi01115894	ISS1:1OF1	p32910_1	18/08/2014	p32910_1.cpl	NO
095	wi01101385	ISS1:1OF1	p32773_1	18/08/2014	p32773_1.cpl	YES
096	wi01115450	ISS1:1OF1	p32888_1	18/08/2014	p32888_1.cpl	NO
097	wi01075538	ISS1:1OF1	p32469_1	18/08/2014	p32469_1.cpl	NO
098	wi01159931	ISS1:1OF1	p33231_1	21/08/2014	p33231_1.cpl	YES
099	wi01126552	ISS1:1OF1	p32975_1	18/08/2014	p32975_1.cpl	NO
100	wi01144066	ISS1:1OF1	p33114_1	21/08/2014	p33114_1.cpl	NO
101	wi01129028	ISS1:1OF1	p33016_1	18/08/2014	p33016_1.cpl	NO
102	wi01099724	ISS1:1OF1	p32742_1	18/08/2014	p32742_1.cpl	YES
103	wi01129098	ISS1:1OF1	p32951_1	18/08/2014	p32951_1.cpl	NO
104	wi01146254	ISS1:1OF1	p33127_1	21/08/2014	p33127_1.cpl	NO
105	WI01108562	ISS1:1OF1	p32832_1	18/08/2014	p32832_1.cpl	NO
106	wi01094727	ISS1:1OF1	p32848_1	18/08/2014	p32848_1.cpl	NO
107	wi01096967	ISS1:1OF1	p32735_1	18/08/2014	p32735_1.cpl	NO
108	wi01022598	ISS1:1OF1	p32066_1	18/08/2014	p32066_1.cpl	NO
109	wi01126454	ISS1:1OF1	p32973_1	18/08/2014	p32973_1.cpl	NO
110	wi01051200	ISS1:1OF1	p32290_1	18/08/2014	p32290_1.cpl	NO
111	wi01127640	ISS1:1OF1	p32992_1	18/08/2014	p32992_1.cpl	NO
112	wi01128512	ISS1:1OF1	p32997_1	18/08/2014	p32997_1.cpl	NO

113	wi01122174	ISS1:1OF1	p32936_1	18/08/2014	p32936_1.cpl	NO
114	wi01097598	ISS1:1OF1	p32797_1	18/08/2014	p32797_1.cpl	NO
115	wi01095462	ISS1:1OF1	p32723_1	18/08/2014	p32723_1.cpl	NO
116	wi01108828	ISS1:1OF1	p32831_1	18/08/2014	p32831_1.cpl	NO
117	wi01104473	ISS1:1OF1	p32818_1	18/08/2014	p32818_1.cpl	NO
118	wi01079444	ISS1:1OF1	p32564_1	18/08/2014	p32564_1.cpl	NO
119	wi01109251	ISS1:1OF1	p32827_1	18/08/2014	p32827_1.cpl	NO
120	wi01092443	ISS1:1OF1	p32676_1	18/08/2014	p32676_1.cpl	NO
121	wi01099292	ISS1:1OF1	p32886_1	18/08/2014	p32886_1.cpl	NO
122	wi01104867	ISS1:1OF1	p32828_1	18/08/2014	p32828_1.cpl	NO
123	wi01080963	ISS1:1OF1	p32626_1	18/08/2014	p32626_1.cpl	YES
124	wi01065115	ISS1:1OF1	p32523_1	18/08/2014	p32523_1.cpl	NO
125	wi01081510	ISS1:1OF1	p32582_1	18/08/2014	p32582_1.cpl	NO
126	wi01110593	ISS1:1OF1	p32849_1	18/08/2014	p32849_1.cpl	NO
127	wi01099606	iss1:1of1	p32713_1	18/08/2014	p32713_1.cpl	NO
128	wi01123389	ISS1:1OF1	p33045_1	18/08/2014	p33045_1.cpl	NO
129	wi01072062	ISS1:1OF1	p32776_1	18/08/2014	p32776_1.cpl	NO
130	wi01136194	ISS:1OF1	p33051_1	21/08/2014	p33051_1.cpl	NO
131	wi01045144	ISS1:1OF1	p33202_1	21/08/2014	p33202_1.cpl	NO
132	wi01128596	ISS1:1OF1	p33000_1	18/08/2014	p33000_1.cpl	NO
133	wi01090535	ISS1:1OF1	p32519_1	18/08/2014	p32519_1.cpl	NO
134	wi01127447	ISS1:1OF1	p32990_1	18/08/2014	p32990_1.cpl	NO
135	wi01132244	ISS1:1OF1	p33041_1	18/08/2014	p33041_1.cpl	NO
136	wi01097786	ISS1:1OF1	p33086_1	21/08/2014	p33086_1.cpl	NO
137	wi01093118	ISS1:1OF1	p32496_1	18/08/2014	p32496_1.cpl	NO
138	wi01108262	ISS1:1OF1	p32865_1	18/08/2014	p32865_1.cpl	YES
139	wi01098433	ISS1:1OF1	p32736_1	18/08/2014	p32736_1.cpl	NO
140	wi01115807	ISS1:1OF1	p32895_1	18/08/2014	p32895_1.cpl	YES
141	wi01159009	ISS1:1OF1	p33098_1	21/08/2014	p33098_1.cpl	YES
142	wi01136429	ISS1:1OF1	p33037_1	21/08/2014	p33037_1.cpl	NO
143	wi01119086	ISS1:1OF1	p32917_1	18/08/2014	p32917_1.cpl	NO
144	wi01132204	ISS1:1OF1	p32501_1	18/08/2014	p32501_1.cpl	NO
145	wi01058378	ISS1:1OF1	p32344_1	18/08/2014	p32344_1.cpl	NO
146	wi01088797	ISS1:1OF1	p32844_1	18/08/2014	p32844_1.cpl	NO
147	wi00937672	ISS1:1OF1	p31276_1	18/08/2014	p31276_1.cpl	NO
148	wi01098905	ISS1:1OF1	p32556_1	18/08/2014	p32556_1.cpl	NO
149	wi01120705	ISS1:1OF1	p32930_1	18/08/2014	p32930_1.cpl	NO
150	wi01120406	ISS1:1OF1	p32956_1	18/08/2014	p32956_1.cpl	NO
151	wi01083896	ISS1:1OF1	p32937_1	18/08/2014	p32937_1.cpl	NO
152	wi01130815	ISS1:1OF1	p33017_1	18/08/2014	p33017_1.cpl	NO
153	wi01113374	ISS1:1OF1	p32874_1	18/08/2014	p32874_1.cpl	NO
154	wi01145002	ISS1:1OF1	p33186_1	21/08/2014	p33186_1.cpl	NO
155	wi01104627	ISS1:1OF1	p32819_1	18/08/2014	p32819_1.cpl	NO
156	wi01137003	ISS1:1OF1	p33053_1	18/08/2014	p33053_1.cpl	NO
157	wi01093071	ISS1:1OF1	p32701_1	18/08/2014	p32701_1.cpl	NO
158	wi01068751	ISS1:1OF1	p32445_1	18/08/2014	p32445_1.cpl	NO
159	wi01134602	ISS1:1OF1	p32398_1	18/08/2014	p32398_1.cpl	NO
160	wi01102093	ISS1:1OF1	p32760_1	18/08/2014	p32760_1.cpl	NO
161	wi01101969	ISS1:1OF1	p32726_1	18/08/2014	p32726_1.cpl	NO
162	wi01133106	ISS1:1OF1	p33032_1	18/08/2014	p33032_1.cpl	NO
163	wi01070279	ISS1:1OF1	p32262_1	18/08/2014	p32262_1.cpl	NO
164	wi01107601	ISS1:1OF1	p32970_1	18/08/2014	p32970_1.cpl	NO
165	wi01088915	ISS1:1OF1	p32638_1	18/08/2014	p32638_1.cpl	NO
166	wi01130348	ISS1:1OF1	p33014_1	18/08/2014	p33014_1.cpl	NO
167	wi01077639	ISS1:1OF1	p32883_1	18/08/2014	p32883_1.cpl	NO
168	wi01125238	ISS1:1OF1	p32971_1	18/08/2014	p32971_1.cpl	NO
169	wi01000087	ISS1:1OF1	p32014_1	18/08/2014	p32014_1.cpl	NO
170	wi01119100	ISS1:1OF1	p32925_1	18/08/2014	p32925_1.cpl	NO
171	wi01132902	ISS1:1OF1	p33028_1	18/08/2014	p33028_1.cpl	NO
172	wi01053950	ISS1:1OF1	p32654_1	18/08/2014	p32654_1.cpl	YES
173	wi01082824	ISS1:1OF1	p32467_1	18/08/2014	p32467_1.cpl	NO
174	wi01109345	ISS1:1OF1	p32830_1	18/08/2014	p32830_1.cpl	NO

175	wi01073725	ISS1:1OF1	p32552_1	18/08/2014	p32552_1.cpl	NO
176	wi01149017	ISS1:1OF1	p33145_1	21/08/2014	p33145_1.cpl	NO
177	wi01099810	ISS1:1OF1	p32796_1	18/08/2014	p32796_1.cpl	NO
178	wi01134354	ISS1:1OF1	p33031_1	18/08/2014	p33031_1.cpl	NO
179	wi01127527	ISS1:1OF1	p32988_1	18/08/2014	p32988_1.cpl	YES
180	wi01095255	ISS1:1OF1	p33027_1	18/08/2014	p33027_1.cpl	NO
181	wi01121374	ISS1:1OF1	p31107_1	18/08/2014	p31107_1.cpl	NO
182	wi01102475	ISS1:1OF1	p32782_1	18/08/2014	p32782_1.cpl	YES
183	wi01120458	ISS1:1OF1	p32929_1	18/08/2014	p32929_1.cpl	NO
184	wi01118320	ISS1:1OF1	p32753_1	18/08/2014	p32753_1.cpl	NO
185	wi01133960	ISS1:1OF1	p33034_1	18/08/2014	p33034_1.cpl	NO
186	wi01075540	ISS1:1OF1	p32492_1	18/08/2014	p32492_1.cpl	NO
187	wi01112655	ISS1:1OF1	p32870_1	18/08/2014	p32870_1.cpl	NO
188	wi01106658	ISS1:1OF1	p32812_1	18/08/2014	p32812_1.cpl	NO
189	wi01021522	ISS1:1OF1	p32863_1	18/08/2014	p32863_1.cpl	NO
190	wi01089807	ISS1:1OF1	p32957_1	18/08/2014	p32957_1.cpl	NO
191	wi01083036	ISS1:1OF1	p32571_1	18/08/2014	p32571_1.cpl	NO
192	wi01102091	ISS1:1OF1	p32744_1	18/08/2014	p32744_1.cpl	YES
193	wi01149384	ISS1:1OF1	p33147_1	21/08/2014	p33147_1.cpl	NO
194	wi01119863	ISS1:1OF1	p32923_1	18/08/2014	p32923_1.cpl	NO
195	wi01071996	ISS1:1OF1	p32461_1	18/08/2014	p32461_1.cpl	NO
196	wi01094832	iss1:1of1	p32718_1	18/08/2014	p32718_1.cpl	NO
197	wi01115369	ISS1:1OF1	p32889_1	18/08/2014	p32889_1.cpl	NO
198	wi01137737	ISS1:1OF1	p33055_1	18/08/2014	p33055_1.cpl	NO
199	wi01163826	ISS1:1OF1	p33229_1	21/08/2014	p33229_1.cpl	NO
200	wi01065248	ISS1:1OF1	p32412_1	18/08/2014	p32412_1.cpl	NO
201	wi01132222	ISS1:1OF1	p33023_1	18/08/2014	p33023_1.cpl	NO
202	wi01127874	ISS1:1OF1	p25747_1	18/08/2014	p25747_1.cpl	NO
203	wi01118819	ISS1:1OF1	p32954_1	18/08/2014	p32954_1.cpl	NO
204	wi01096907	ISS1:1OF1	p32733_1	18/08/2014	p32733_1.cpl	NO
205	wi01111194	ISS1:1OF1	p32821_1	18/08/2014	p32821_1.cpl	NO
206	wi01113712	ISS1:1OF1	p32877_1	18/08/2014	p32877_1.cpl	NO
207	wi01100508	ISS1:1OF1	p32761_1	18/08/2014	p32761_1.cpl	NO
208	wi01096910	ISS1:1OF1	p32734_1	18/08/2014	p32734_1.cpl	NO
209	wi01071659	ISS1:1OF1	p32589_1	18/08/2014	p32589_1.cpl	NO
210	wi01075149	ISS1:1OF1	p32475_1	18/08/2014	p32475_1.cpl	NO
211	wi01144609	ISS1:1OF1	p33119_1	21/08/2014	p33119_1.cpl	NO
212	wi01068922	ISS1:1OF1	p32454_1	18/08/2014	p32454_1.cpl	NO
213	wi01166065	ISS1:1OF1	p33241_1	21/08/2014	p33241_1.cpl	NO
214	wi01102296	ISS1:1OF1	p32780_1	18/08/2014	p32780_1.cpl	NO
215	wi01076948	ISS1:1OF1	p32526_1	18/08/2014	p32526_1.cpl	YES
216	wi01088055	ISS1:1OF1	p32607_1	18/08/2014	p32607_1.cpl	NO
217	wi01114695	ISS1:1OF1	p32885_1	18/08/2014	p32885_1.cpl	NO
218	wi01146766	ISS1:1OF1	p33131_1	21/08/2014	p33131_1.cpl	NO
219	wi01150596	ISS1:1OF1	p33154_1	21/08/2014	p33154_1.cpl	NO
220	wi01139981	ISS1:1OF1	p33083_1	21/08/2014	p33083_1.cpl	NO
221	wi01163362	ISS1:1OF1	p33224_1	21/08/2014	p33224_1.cpl	YES
222	wi01134211	ISS1:1OF1	p33077_1	21/08/2014	p33077_1.cpl	NO
223	wi01153104	ISS1:1OF1	p33174_1	21/08/2014	p33174_1.cpl	NO
224	wi01153896	ISS1:1OF1	p33185_1	21/08/2014	p33185_1.cpl	NO
225	wi01150083	ISS1:1OF1	p33152_1	21/08/2014	p33152_1.cpl	NO
226	wi01151870	ISS1:1OF1	p33162_1	21/08/2014	p33162_1.cpl	YES
227	wi01096718	ISS1:1OF1	p33138_1	21/08/2014	p33138_1.cpl	YES
228	wi01136640	ISS1:1OF1	p33052_1	21/08/2014	p33052_1.cpl	NO
229	wi01164281	ISS1:1OF1	p33232_1	21/08/2014	p33232_1.cpl	NO
230	wi01165461	ISS1:1OF1	p33237_1	21/08/2014	p33237_1.cpl	NO
231	wi01171467	ISS1:1OF1	p33270_1	21/08/2014	p33270_1.cpl	NO
232	wi01142100	ISS1:1OF1	p33090_1	21/08/2014	p33090_1.cpl	NO
233	wi01170424	ISS1:1OF1	p33260_1	21/08/2014	p33260_1.cpl	NO
234	wi01142792	ISS1:1OF1	p33099_1	21/08/2014	p33099_1.cpl	NO
235	wi01155909	ISS1:1OF1	p33192_1	21/08/2014	p33192_1.cpl	NO
236	wi01119736	ISS1:1OF1	p33094_1	21/08/2014	p33094_1.cpl	NO

237	wi01160967	ISS1:1OF1	p33213_1	21/08/2014	p33213_1.cpl	NO
238	wi01165870	ISS1:1OF1	p33238_1	21/08/2014	p33238_1.cpl	NO
239	WI11032038	ISS1:1OF1	p33022_1	21/08/2014	p33022_1.cpl	NO
240	wi01138136	ISS1:1OF1	p33191_1	21/08/2014	p33191_1.cpl	NO
241	wi01163521	ISS1:1OF1	p33226_1	21/08/2014	p33226_1.cpl	NO
242	wi01152195	ISS1:1OF1	p33163_1	21/08/2014	p33163_1.cpl	YES
243	wi01068011	ISS1:1OF1	p33182_1	21/08/2014	p33182_1.cpl	NO
244	wi01147091	ISS1:1OF1	p33137_1	21/08/2014	p33137_1.cpl	NO
245	wi01151898	ISS1:1OF1	p33175_1	21/08/2014	p33175_1.cpl	NO
246	wi01147983	ISS1:1OF1	p33141_1	21/08/2014	p33141_1.cpl	NO
247	wi01163048	ISS1:1OF1	p33223_1	21/08/2014	p33223_1.cpl	YES
248	wi01165881	ISS1:1OF1	p33239_1	21/08/2014	p33239_1.cpl	NO
249	wi01134799	ISS1:1OF1	p33069_1	21/08/2014	p33069_1.cpl	NO
250	wi01146543	ISS1:1OF1	p33097_1	21/08/2014	p33097_1.cpl	NO
251	wi01150802	ISS1:1OF1	p33156_1	21/08/2014	p33156_1.cpl	NO
252	wi01154253	ISS1:1OF1	p33206_1	21/08/2014	p33206_1.cpl	NO
253	wi01143987	ISS1:1OF1	p33134_1	21/08/2014	p33134_1.cpl	NO
254	WI01154952	ISS1:1OF1	p33184_1	21/08/2014	p33184_1.cpl	NO
255	wi01157590	ISS1:1OF1	p33252_1	21/08/2014	p33252_1.cpl	NO
256	wi01146289	ISS1:1OF1	p33146_1	21/08/2014	p33146_1.cpl	NO
257	wi01153039	ISS1:1OF1	p17588_1	21/08/2014	p17588_1.cpl	NO
258	wi01153844	ISS1:1OF1	p33172_1	21/08/2014	p33172_1.cpl	NO
259	wi01135146	ISS1:1OF1	p33033_1	21/08/2014	p33033_1.cpl	NO
260	wi01146705	ISS1:1OF1	p33129_1	21/08/2014	p33129_1.cpl	NO
261	wi01154485	ISS1:1OF1	p33194_1	21/08/2014	p33194_1.cpl	NO
MDP>LAST SUCCESSFUL MDP REFRESH :2014-08-21 08:43:42(Local Time)						
MDP>USING DEPLIST ZIP FILE DOWNLOADED :2014-08-20 11:48:22(est)						

Appendix B

Avaya Communication Server 1000E R7.6 Lineside E1 Channel.

```
>ld 20
TN 004 0 10 00 VIRTUAL
TYPE 500
CDEN 4D
CUST 0
ERL 00000
WRLS NO
DN 3100 0 MARP
ANIE 0
AST YES
IAPG 1
HUNT
TGAR 0
LDN NO
NCOS 0
SGRP 0
RNPG 0
XLST
SCI 0
SCPW
SFLT NO
CAC_CIS 3
CAC_MFC 0
CLS UNR DIP FBD XFA WTA THFD FND HTD ONS
LPR XRD AGRD CWD SWD MWD RMMD SMWD LPD XHD SLKD CCSD LND TVD
CFTD SFD MRD C6A CNID CLBD AUTU
ICDD CDMD LLCN EHTD MCTD
GPUD DPUD CFXA ARHD OVDD AGTA CLTD LDTD ASCD SDND
MBXD CPFA CPTA UDI RCC HBTD IRGD DDGA NAMA MIND
NRWD NRCD NROD SPKD CRD PRSD MCRD
EXR0 SHL SMSD ABDD CFHD DNAA DNDY DNO3
CWND USMD USRD CCBF BNRD OCBF RTDD RBDD RBHD FAXD CNUD CNAD PGND FTTU
FDSD NOVD CDMR PRED MCDD T87D SBMD PKCH MPTD ELCD
PLEV 02
PUID
UPWD
SPID NONE
PRI 01
AACD YES
AACS YES
ACQ AS: TN,AST-DN,AST-POSID
ASID 17
SFNB 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 21 22 23 24
25 26 28 29 31 33 34 35 36 37 38 39
SFRB 1 2 15 32 33 34 35 36 37 38 39
USFB 1 2 3 4 5 6 7 9 10 11 12 13 14 15
CALB 0 1 3 4 5 6 8 9 10 11 12
FCTB
MLWU_LANG 0
FTR ACD 1650 113100
AGN
FTR OSP 1
FTR ISP 255
DATE 12 AUG 2014
```


Avaya Communication Server 1000E R7.6 Control Directory Number.

```
>ld 23
ACD000
MEM AVAIL: (U/P): 36303288      USED U P: 8447134 129447      TOT: 44879869
DISK SPACE NEEDED: 115 KBYTES
ACD DNS      AVAIL: 1986      USED: 14      TOT: 2000
REQ prt
TYPE cdn
CUST 0
CDN 6100

TYPE CDN
CUST 0
CDN 6100
FRRT
SRRT
FROA NO
UUI NO
MURT
CDSQ NO
DFDN 1650
NAME NO
CMB NO
CEIL 2047
CLRO NO
OVFL NO
TDNS NO
AACQ YES
ASID 17
SFNB 17 18 19 33 34 35 36 37 38 39
USFB 1 2 3 4 5 6 7 9 10 11 12 13 14 15
CALB 0 1 2 3 4 5 6 8 9 10 11 12
CNTL YES
VSID
HSID
CWTH 1
BYTH 0
OVTH 2047

MEM AVAIL: (U/P): 36303288      USED U P: 8447134 129447      TOT: 44879869
DISK SPACE NEEDED: 115 KBYTES
ACD DNS      AVAIL: 1986      USED: 14      TOT: 2000
REQ
```

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