Avaya Solution & Interoperability Test Lab

Application Notes for configuring Ascom IP-DECT Base Station and Ascom IP-DECT Handsets with Avaya Communication Server 1000 Release 7.6 – Issue 1.0

Abstract

These Application Notes describe a solution comprised of Avaya Communication Server 1000 Release 7.6, Ascom DECT Handsets and Ascom IP-DECT Base Station. The Ascom DECT Handsets and Ascom IP-DECT Base Station registered as SIP client endpoints with Communication Server 1000 SIP Line gateway. The Ascom DECT Handsets and Ascom IP-DECT Base Station placed and received calls from Communication Server 1000 non-SIP and SIP Line telephones. The compliance testing focused on basic telephone features.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as any 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 provide detailed configurations of Avaya Communication Server 1000 R7.6 (CS1000) and the Ascom DECT Handsets and Ascom IP-DECT Base Station (DECT system) used during the compliance testing. The Ascom DECT Base Stations registered with the SIP Line Gateway (SLG) application on the CS1000.

Note: The Ascom IP-DECT Base Stations may also be described as Access Points.

2. General Test Approach and Test Results

The general test approach was to have the Ascom DECT Base Stations register to the CS1000. Calls were then placed from other CS1000 Deskphones to and from the Ascom DECT handset. Other telephony features such as busy, hold, DTMF, MWI and codec negotiation were also verified.

2.1. Interoperability Compliance Testing

Avaya's formal testing and Declaration of Conformity is provided only on the headsets/handsets that carry the Avaya brand or logo. Avaya may conduct testing of non-Avaya headset/handset to determine interoperability with Avaya phones. However, Avaya does not conduct the testing of non-Avaya headsets/handsets for: Acoustic Pressure, Safety, Hearing Aid Compliance, EMC regulations, or any other tests to ensure conformity with safety, audio quality, long-term reliability or any regulation requirements. As a result, Avaya makes no representations whether a particular non-Avaya headset will work with Avaya's telephones or with a different generation of the same Avaya telephone.

Since there is no industry standard for handset interfaces, different manufacturers utilize different handset/headset interfaces with their telephones. Therefore, any claim made by a headset vendor that its product is compatible with Avaya telephones does not equate to a guarantee that the headset will provide adequate safety protection or audio quality.

The focus of this testing was to verify that the Ascom DECT system was able to interoperate with the CS1000. The following areas were tested:

- Registration of the Ascom DECT handsets to the CS1000.
- Call establishment of Ascom DECT handsets with CS1000 Deskphones.
- Telephony features tested included:
  - Basic calls
  - Conference (Avaya telephones host the conference)
  - Blind and consultative transfer
  - DTMF transmission
  - Voicemail with Message Waiting Indication (MWI) notification
  - Busy, hold, speed dial, call waiting, call park/pickup
  - Call forward on Busy, No answer and All Calls
- PSTN calls over PRI trunk.
- Codec negotiation.

2.2. Test Results

Tests were performed to verify interoperability between Ascom DECT Handsets and Ascom IP-DECT Base Stations with CS1000 Release 7.6. The tests were all functional in nature and performance testing was not included. All test cases passed successfully. The following observation was made during compliance testing:

- Local Call Waiting and Call Forward Busy are not support due to the CS1000 SIP line gateway and will always return 486 Busy Here.

2.3. Support

Technical support for the Ascom IP DECT product can be obtained through a local Ascom supplier. Ascom global technical support:

- Email: support@ascom.se or Help desk: +46 31 559450

3. Reference Configuration

Figure 1 illustrates the test configuration used during the compliance testing between the Avaya CS1000 and the Ascom DECT system. The CS1000 runs on the Common Processor Pentium Mobile (CPPM) server as a co-resident configuration. The SLG application on the signaling server co-resides as on the CPPM. System Manager is used to configure the SLG. A number of Avaya Deskphones were configured. The Ascom Master Access point was connected to the IP Network which the IP-DECT Handsets register to. The Roaming Access point allows radio communication between the IP-DECT Handsets which in turn communicates with the CS1000. A simulated PSTN was configured to enable incoming and outgoing trunk calls.

Note: A USB DP1 Desktop Programmer cradle connected to the Ascom Device Manager is used to configure the IP-DECT Handsets.

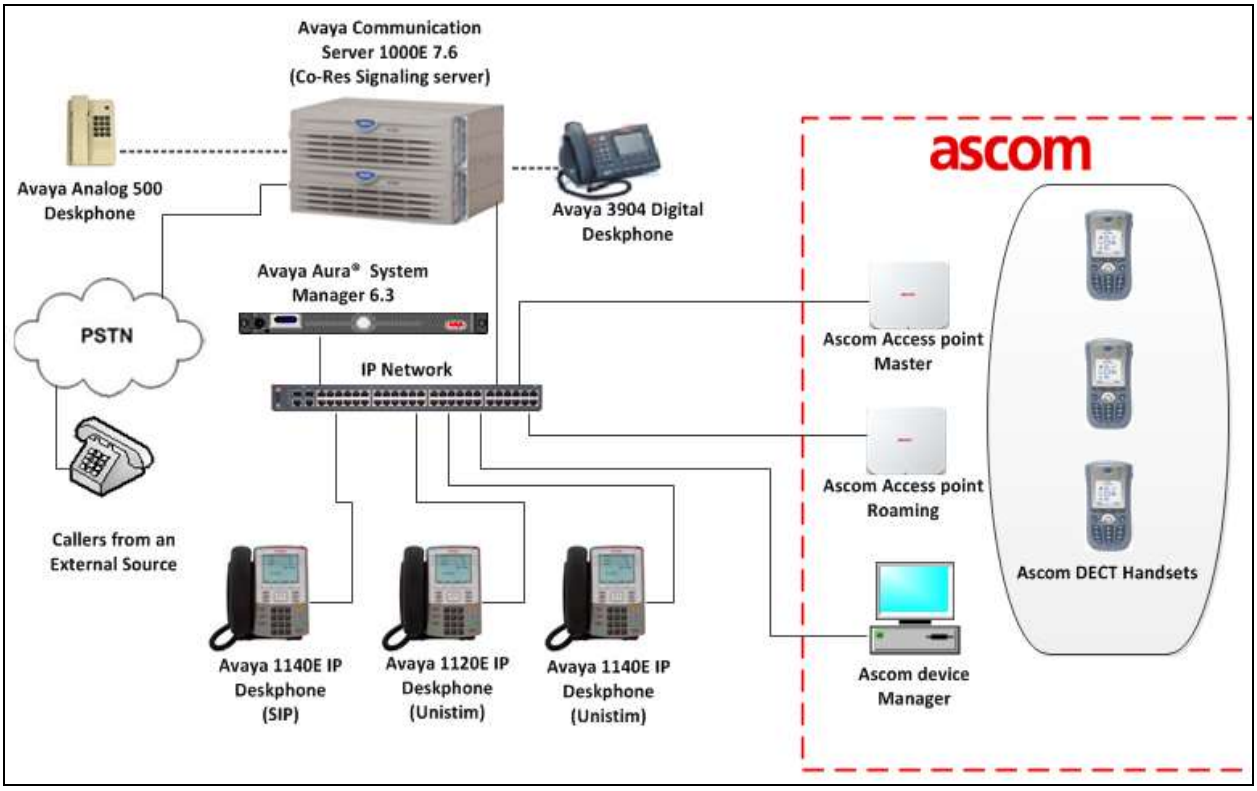


Figure 1: Avaya Communication Server 1000 and Ascom Reference Configuration

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Call Processor Pentium Mobile (CPPM) Avaya Media Gateway NTDW60	Avaya Communication Server 1000 R7.6 Version 7.65.16.00 FPGA AA18
Avaya Aura® System Manager running on an Avaya S8800 Server	R6.3 SP3 Build 6.3.0.8.5682-6.3.8.1814 Software Update Revision 6.3.3.5.1719
Avaya Aura® Messaging running on a Dell PowerEdge R610	R6.1 Version 6.1-11-0
Avaya 1120E Deskphone (UNIStim) Avaya 1140E Deskphone (UNIStim) Avaya 1140E Deskphone (SIP) Avaya 3904 Deskphone (Digital) Avaya 500 Deskphone (Analog)	0624C8Q 0625C8Q 04.03.12.00 F/W 2.4 N/A
Ascom IP-DECT Base Stations (IPBS)	Version 7.1.4 Boot Code 7.1.4
Ascom IP-DECT Handsets D62-Protector D81- Messenger	 4.1.6 4.1.6

5. Configure Avaya Communication Server 1000

The configuration operations illustrated in this section were performed using terminal access to the CS1000 over a telnet session. It is implied a working system is already in place, including a Node (NDID111) and D-Channel. For all other provisioning information such as Installation and Configuration, please refer to the product documentation in **Section 10**. **Appendix A** has a list of all CS1000 patches, deplist and service packs loaded on the system.

Note: Only the unique prompts as shown in the screen captures below, all other inputs can be left at default.

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

5.1. Verify Licenses

To ensure the CS1000 is licensed for SIP use LD 22 and type SLT at the REQ prompt. Check for THIRD PARTY SIP LINES (in bold below).

```
Prompt              Response            Description
>                   LD 22               Enter Overlay 22
REQ                 SLT

System type is - Communication Server 1000/CPPM Linux
CPPM - Pentium M 1.4 GHz

IPMGs Registered:               1
IPMGs Unregistered:             0
IPMGs Configured/unregistered:  0

TRADITIONAL TELEPHONES  2000    LEFT  1992    USED     8
DECT USERS              2000    LEFT  2000    USED     0
IP USERS                4000    LEFT  3978    USED    22
BASIC IP USERS          2000    LEFT  1998    USED     2
TEMPORARY IP USERS      2000    LEFT  2000    USED     0
DECT VISITOR USER       2000    LEFT  2000    USED     0
ACD AGENTS              2000    LEFT  1995    USED     5
MOBILE EXTENSIONS       2000    LEFT  2000    USED     0
TELEPHONY SERVICES      2000    LEFT  2000    USED     0
CONVERGED MOBILE USERS  2000    LEFT  2000    USED     0
AVAYA SIP LINES         2000    LEFT  1997    USED     3
THIRD PARTY SIP LINES   2000    LEFT  1998    USED     2

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     8
SIP ACCESS PORTS        2000    LEFT  1970    USED    30
RAN CON                 2000    LEFT  2000    USED     0
MUS CON                 2000    LEFT  2000    USED     0
```

5.2. Configuring Data block: SLS (SIP Line Services)

If not already configured a SLS Data block needs to be created using the **CHG** command in **LD15.** The **UAPR** is required when configuring the UEXT for DECT Handset.

Prompt	Response	Description
>	**LD 15**	Enter Overlay 15
REQ	**CHG**	Change
TYPE	**SLS_DATA**	SIP Line Services Data block
CUST	**0**	Customer Number
SIPL_ON	**YES**	SIP Line on
UAPR	**27**	**Prefix used to auto-generate the User Agent**
NMME	NO	Multimedia Service

5.3. Adding a Third-Party SIP User on the Avaya Communication Server 1000

Ascom DECT users are configured as **3rd Party SIP** users with type **UEXT** on the CS1000. Type **LD 20** at the > prompt to enter overlay 20. The main prompts below are highlighted. The example below shows the UEXT for DECT Handset 4010.

LD20

```
REQ: NEW
TYPE: UEXT
TN   100 0 2 10
DES  DECT1
CUST 0
UXTY SIPL (SIP Line)
MCCL YES
SIPN 0
SIP3 1 (Third Party SIP phones)
FMCL 0
TLSV 0
SIPU 4010 (Required for Ascom DECT USER ID)
NDID 111 (Node ID (Taken from Section 6)
SUPR NO
UXID
NUID
NHTN
ZONE 2 (This is the Bandwidth Zone assigned for IP Sets)
MRT
ERL  0
ECL  0
VSIT NO
FDN
TGAR 0
LDN  NO
NCOS 0
SGRP 0
RNPG 0
SCI  0
SSU
SCPW 1234 (Required for Ascom DECT USER Password)
SGRP
SFLT NO
CAC_MFC 0
CLS  UNR FBD WTA LPR MTD FNA HTA TDD HFD CRPD
```

```
     MWD LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
     POD SLKD CCSD SWD LND CNDD
     CFTD SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
     ICDD CDMD LLCN MCTD CLBD AUTU
     GPUD DPUD DNDD CFXD ARHD FITD CLTD ASCD
     CPFA CPTA ABDD CFHD FICD NAID BUZZ AGRD MOAD
     UDI RCC HBTD AHA IPND DDGA NAMA MIND PRSD NRWD NRCD NROD
     DRDD EXR0
     USMD USRD ULAD CCBD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
     FDSD NOVD VOLA VOUD CDMR PRED RECD MCDD T87D SBMD ELMD MSNV FRA  PKCH MWTD DVLD
……..CROD CROD
CPND_LANG ENG
RCO  0
HUNT 2025
LHK  0
PLEV 02
PUID
DANI NO
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
MLNG ENG
DNDR 0
KEY  00 SCR 4010 0     MARP
        CPND New
          CPND_LANG ROMAN
            NAME DECT!
            XPLN 14
            DISPLAY_FMT FIRST,LAST
     01 HOT U 274010 MARP 0 (The HOT U number is derived from the UAPR as configured
in the SLS_DATA plus the Key 00 extension.
     02
```

5.4. Saving Avaya Communication Server 1000 Configuration

Type **LD 43** at the **>** prompt to save the newly configured SIP users. Upon entering overlay 43 type **edd** at the **.** prompt.

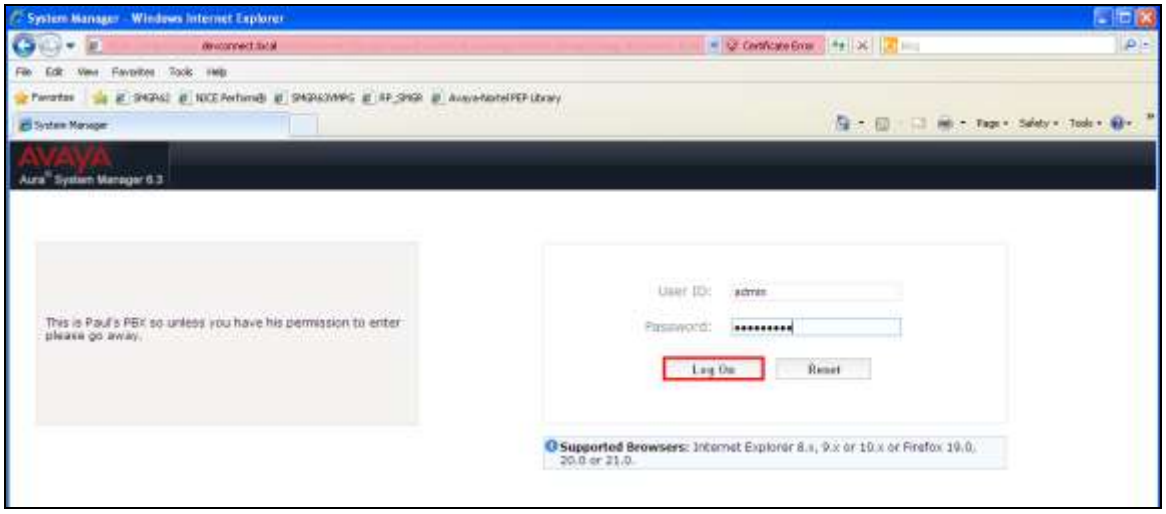
LD 43

```
>ld 43
Prompt              Response            Description
>                   LD 43               Enter Overlay 43
.                   edd                 Equipment Data Dump
```

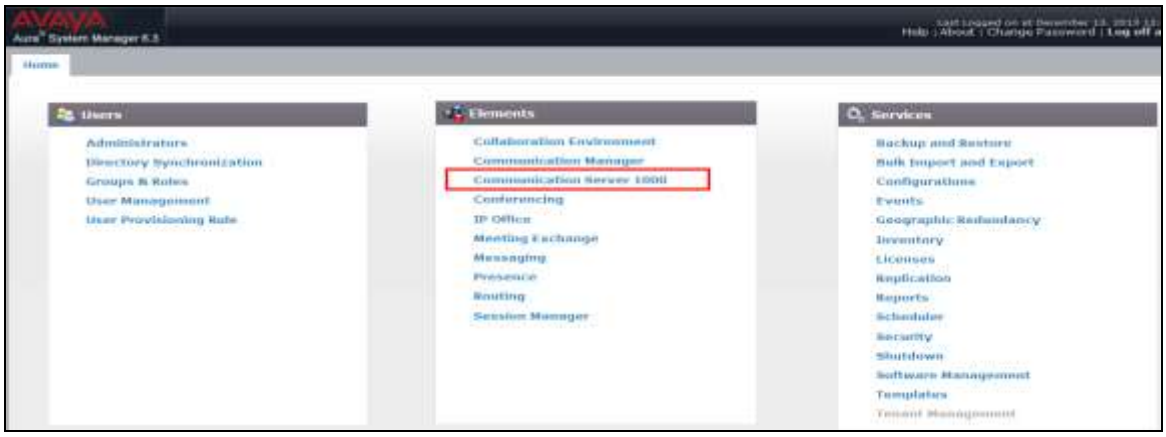
6. Configure Avaya Communication Server 1000 SIP Line Gateway

Although it is assumed that a SIP Line Gateway is already setup, configured and operational it is also essential that this is checked and that the Node IP address is obtained in order to complete the configuration in **Section 7.1.6**. Note that the SIP Line Gateway is an application installed on the Avaya Communication Server 1000 Signaling Server. In this example this Signaling Server is a co-resident installation with the Avaya Communication Server 1000 Call Server.

Access to the CS1000 SIP Line Gateway requires access to the Avaya Communication Server 1000 Signaling Server (Signaling Server). This is achieved by logging into 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.

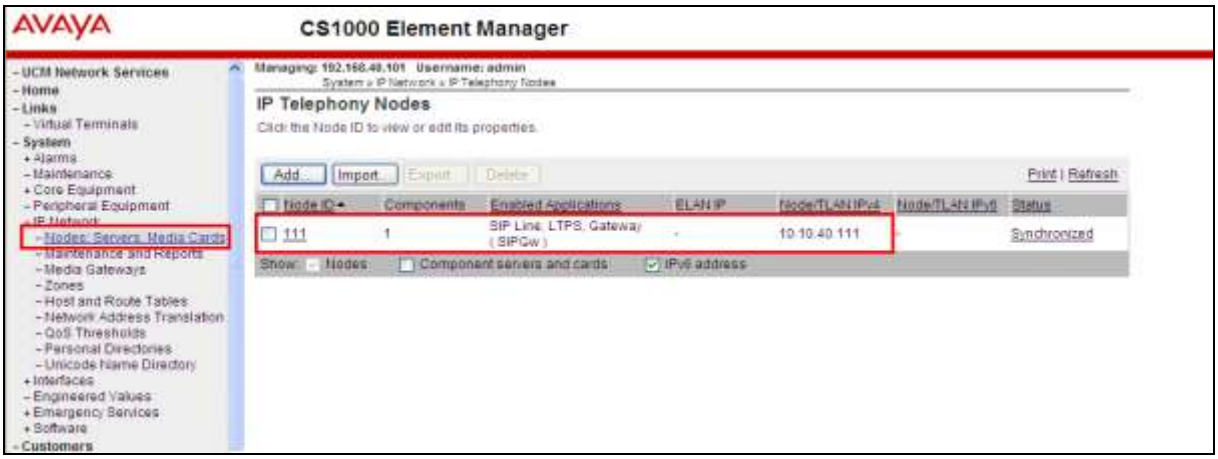


Once logged on click on **Communication Server 1000** as highlighted.

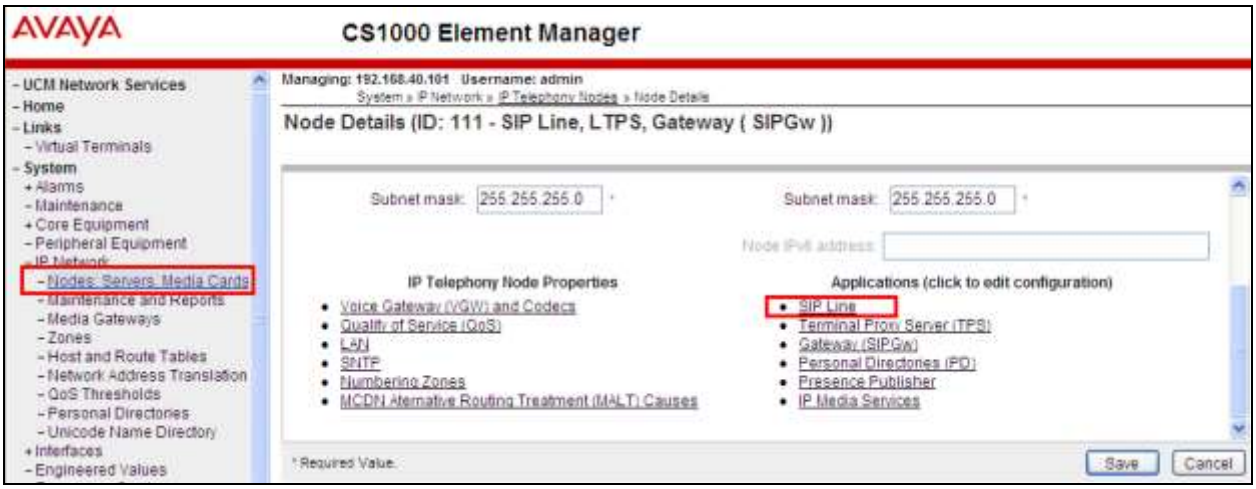


The following screen appears showing the various **Elements**, select **EM on cs1kpg** (note this name may appear different depending on the system).

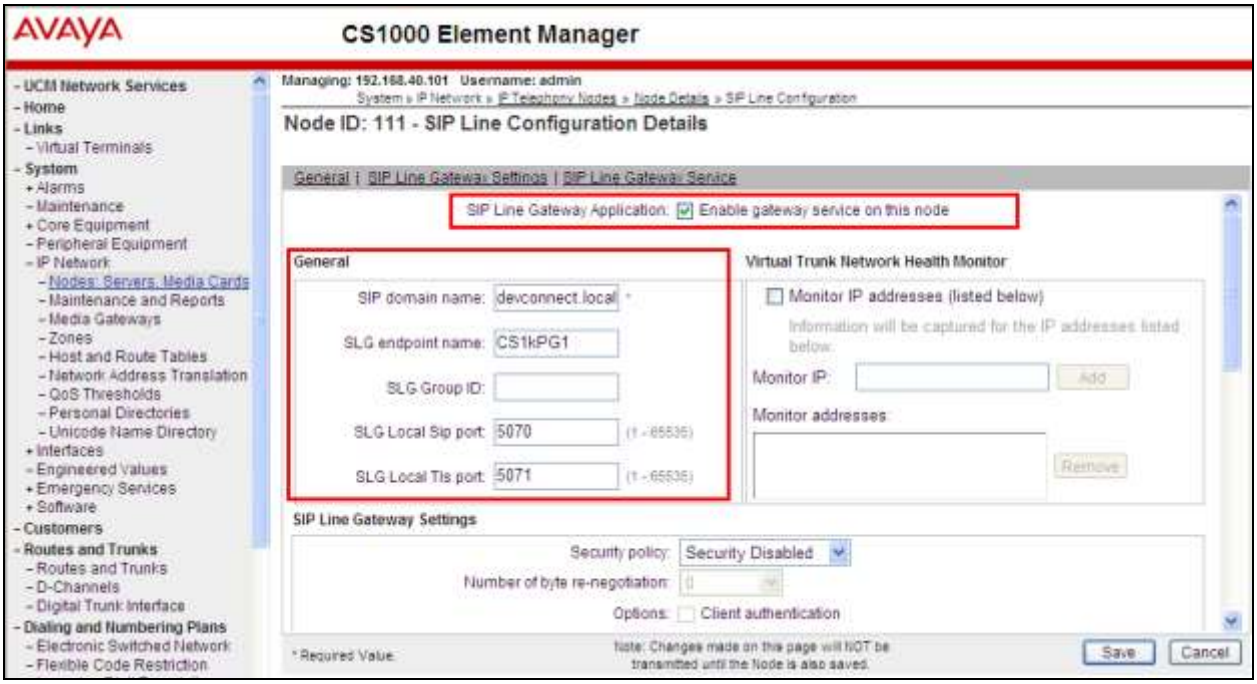
Navigate to **IP Network → Nodes Servers and Media Cards** in the left window and select the Node associated with the CS1000, in the example below this **Node ID** is **111**. Open this node by clicking on **111** highlighted below. Note also the IP address of the Node is **10.10.40.111** which will be required in **Section 7.1.6**.



To check that the SIP Line Gateway is operational click on **SIP Line** in the main window highlighted below.



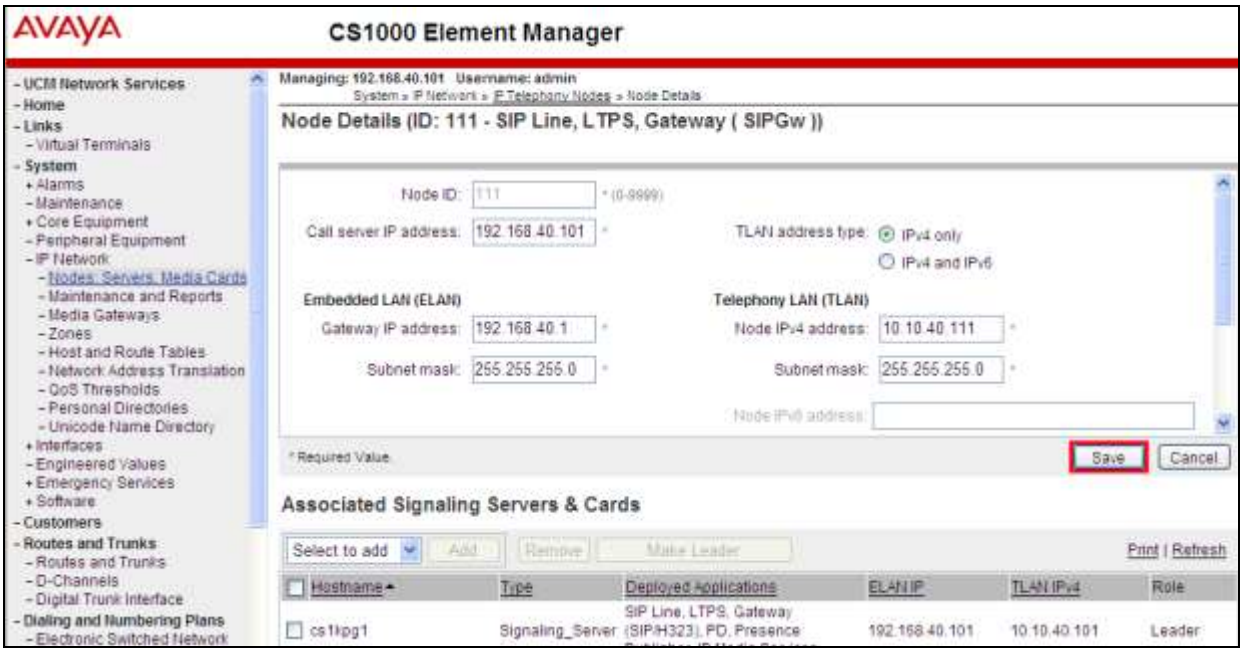
The **SIP Line Gateway Application** should be ticked as shown below and the information about the site entered into the **General** section as shown in the example below. Note the **SLG Local Sip port** is set to **5070** and this information as well as the **SIP domain name** will be required in **Section 7.1.6**.



If changes are required then click **Save** (shown above) before leaving the page and follow the next **Section 6.1** Saving changes on the Avaya Communication Server 1000 SIP Line Gateway.

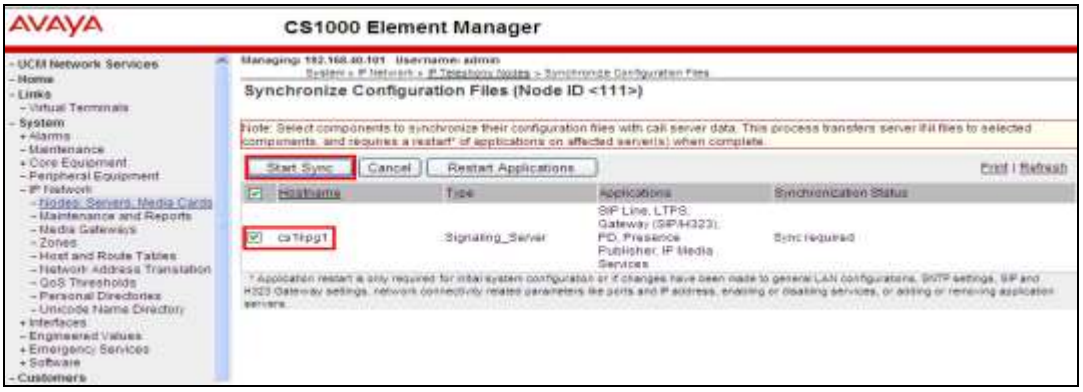
6.1. Saving Changes on the Avaya Communication Server 1000 SIP Line Gateway

Click on **Save** again as highlighted below.

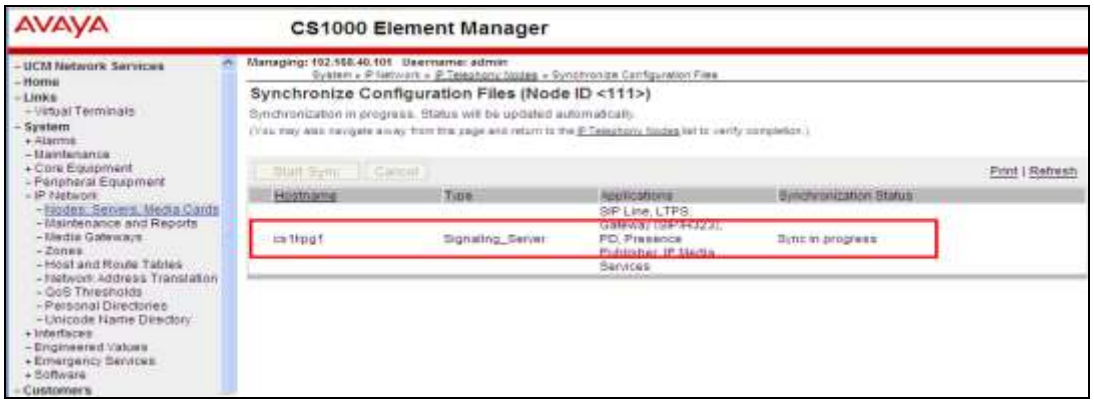


Select **Transfer Now** as shown below.

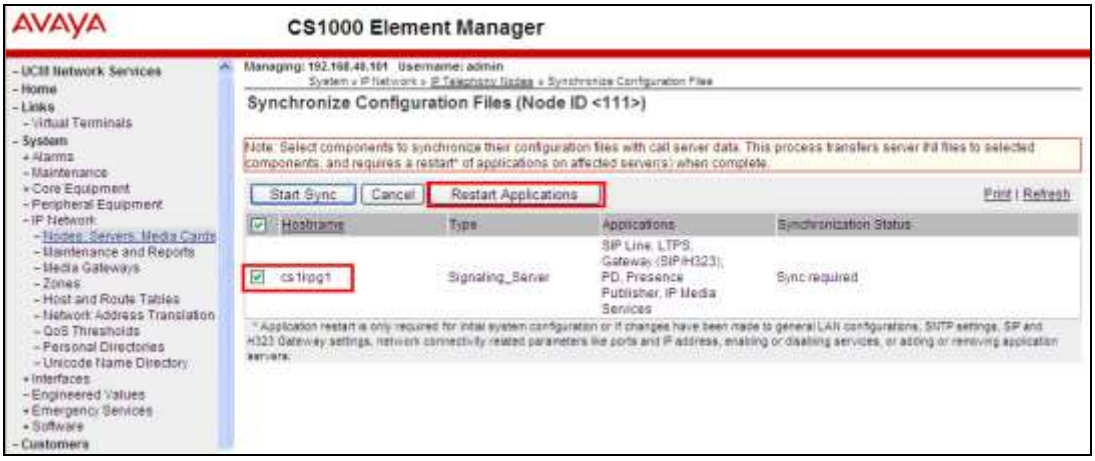
The following screen is displayed requiring that synchronization is performed followed by a restart of the Applications. Ensure the **Hostname** is ticked as shown in the example below where the hostname is **cs1kpg1** and click on **Start Sync**.



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



Once the Sync is completed select the **Hostname** again and click on **Restart Applications**. This will complete the Signaling Server configuration for SIP Line Gateway.



7. Configure Ascom DECT System

This section describes how to access and configure the Ascom DECT solution. The Ascom wireless IP-DECT Base Stations can be configured in a Master/Standby scenario to provide redundancy or to extend the radius of coverage (roaming). The following configuration steps detail the configuration process used to configure an Ascom wireless IP-DECT Base Station in Master mode only.

Roaming between multiple Ascom Wireless IP-DECT Base Stations as shown in **Figure 1** was tested but the configuration setup will not be shown in this document. Refer to the Ascom document in **Section 10** for information on how to configure roaming.

7.1. Configure the IP-DECT Base Station

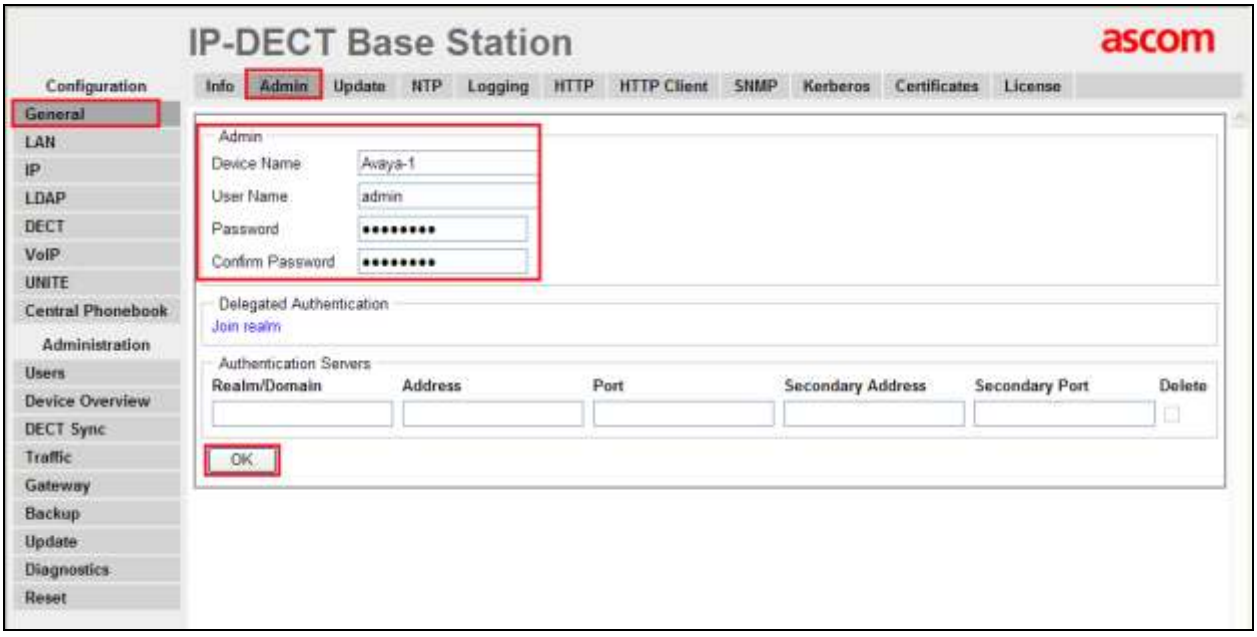
To configure the IP-DECT Base Station, access a web browser and enter the IP address of the Base Station as the URL. The user will be presented with the screen shown below. Click the **System administration** link and enter the appropriate credentials to access the Ascom wireless IP-DECT Base Station and then click **OK** (not shown).

7.1.1. General Configuration of IP-DECT Base Station

When the new window opens navigate to **General** and select the **Admin** tab and enter the following:

- **Device Name** Enter a descriptive name that identifies this Ascom wireless IP-DECT Base Station (i.e. Avaya-1).
- **User Name** Enter the **User Name** (the default User name was used).
- **Password** Enter the **Password** (the default Password was used.)
- **Confirm Password** Confirm the password.

Click the **OK** button to continue.



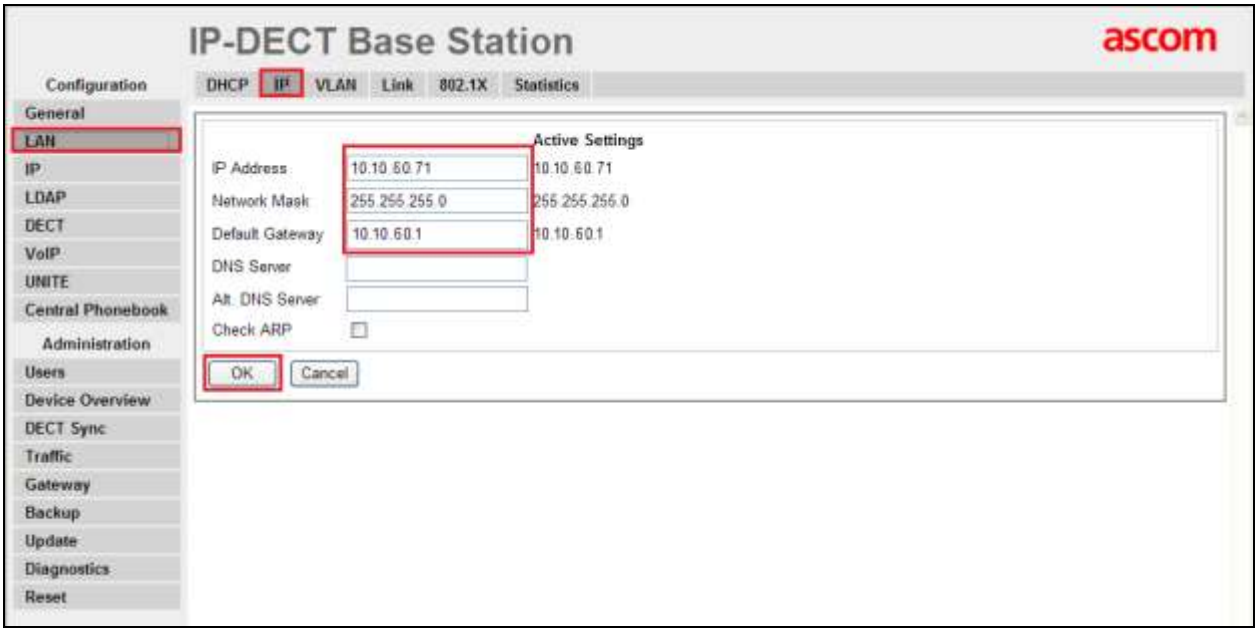
7.1.2. Configure LAN IP

Navigate **to LAN** and select the **IP** tab and enter the following:

- **IP address** Enter the IP address to be assigned to the IP-DECT Station.
- **Network Mask** Enter the Network Mask to be assigned to the IP-DECT Station.
- **Default Gateway** Enter the Default Gateway IP Address.

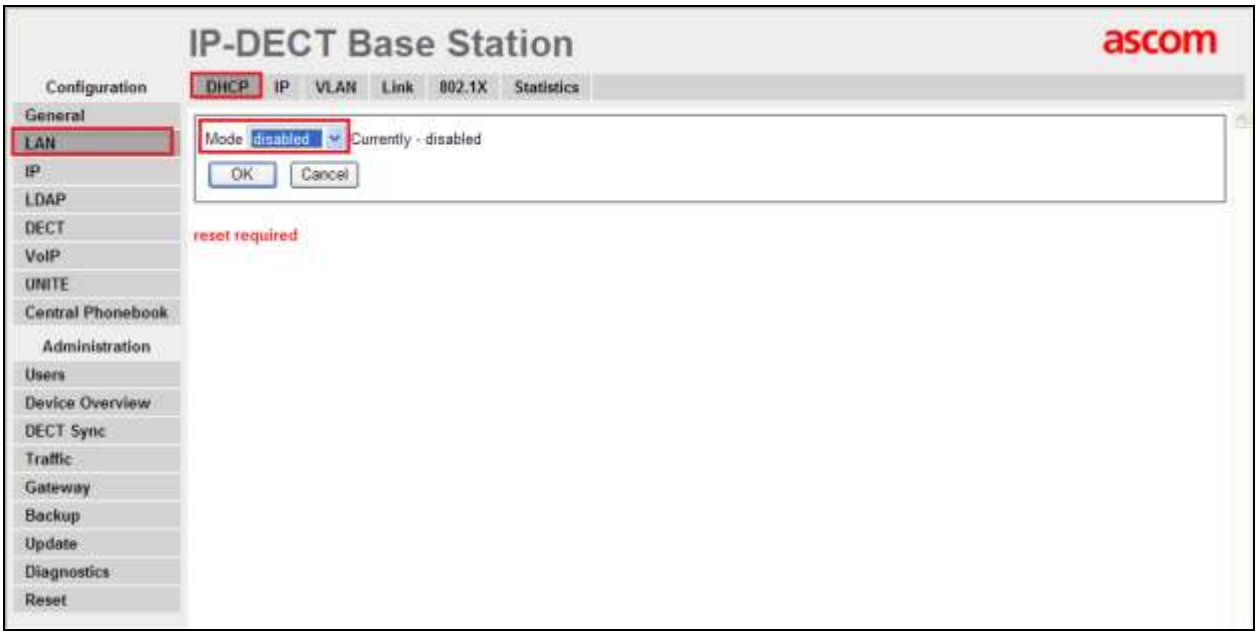
Click on the **OK** Button to save.

Note: No DNS Server was used during Compliance Testing.



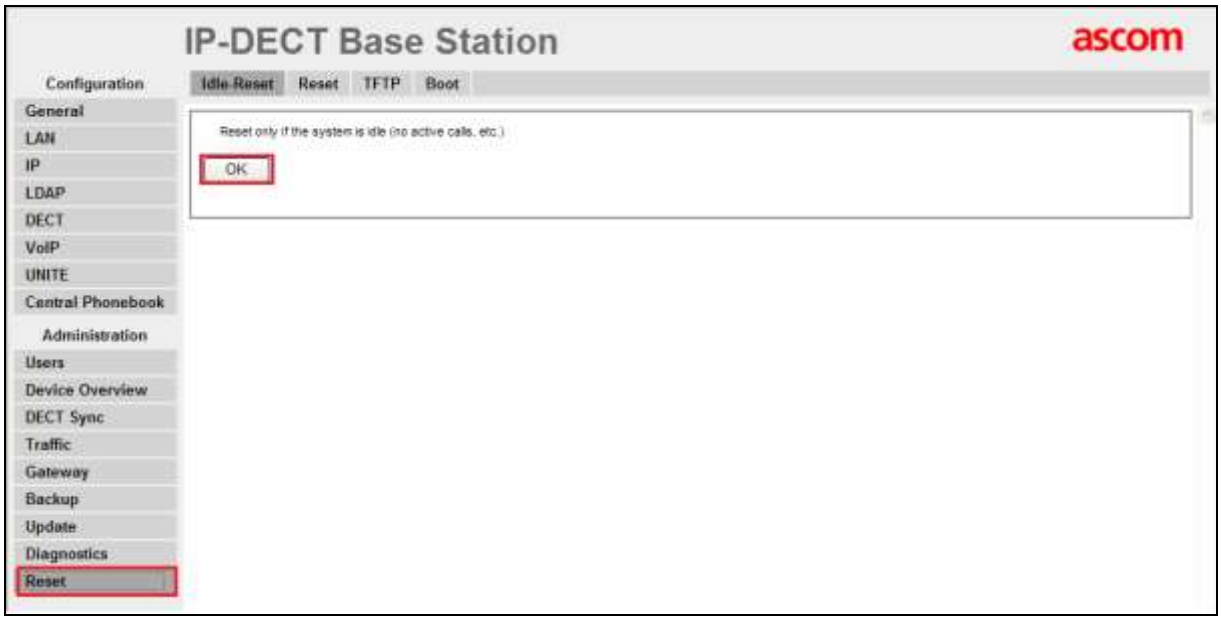
7.1.3. Disable LAN DHCP

Navigate to **LAN** and select the **DHCP** tab. Select **Disabled** from the **Mode** dropdown box. Click on the red text **reset required**, to reset the IP-DECT Base Station. After the reset is completed log back on to the IP-DECT Base Station to complete the configuration. Click on the **OK** Button to save.



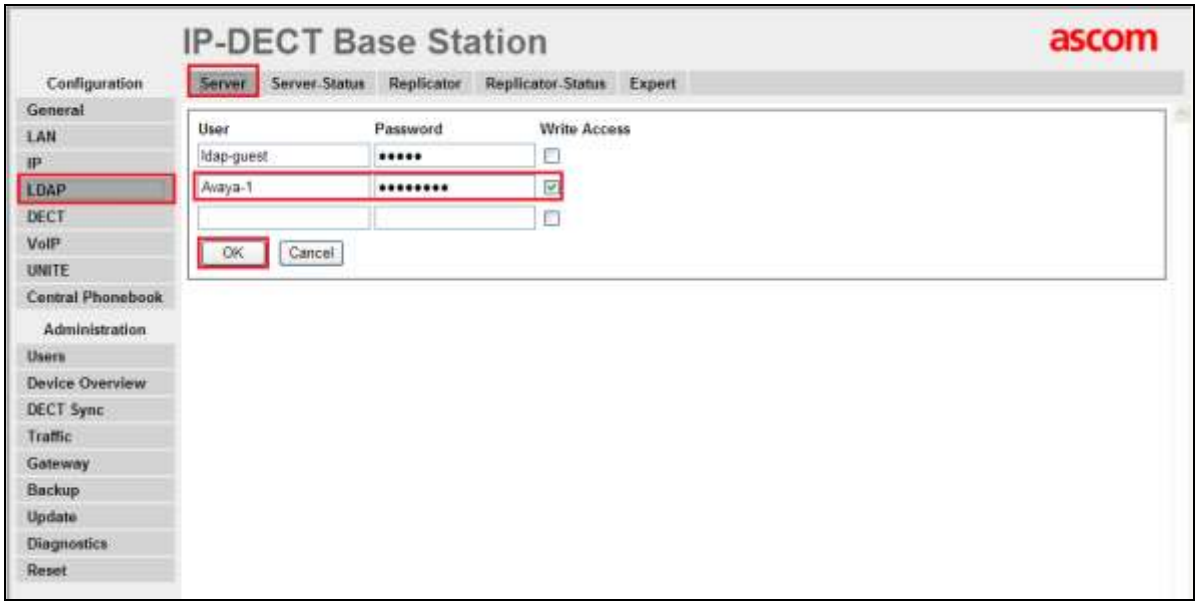
7.1.4. Reset IP-DECT Base Station

Click **Reset** followed by the **OK** button to initiate the system reset. Many of the other changes made to the system during the configuration process require a reset. Repeat this process whenever a reset is required.



7.1.5. Configure LDAP

After the Ascom IP-DECT Base Station (**Avaya-1**) has rebooted, navigate to **LDAP** and select the **Server** tab. The **ldap-guest** account is a default system account. Configure another **User** using **Avaya-1** as previously configured. Enter the Password for **Avaya-1** as previously configured. Check the **Write Access** check box. Click the **OK** button to continue. LDAP replication is configured in order to copy user information to a Standby Master (please refer to Ascom documentation).

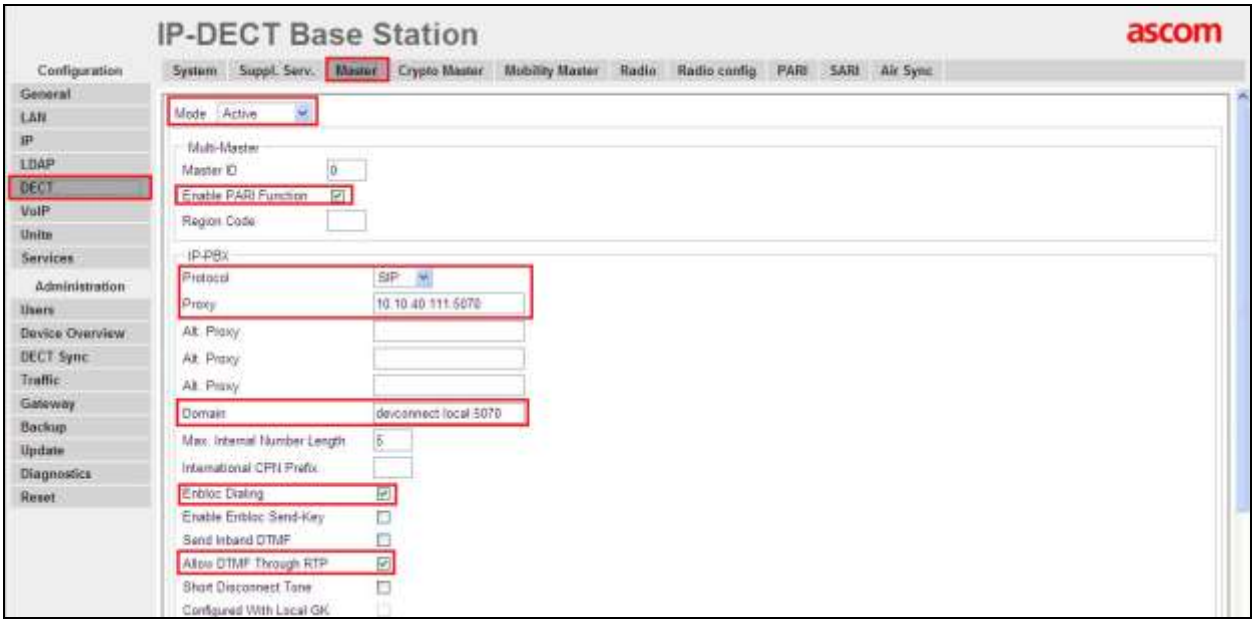


7.1.6. Configure DECT

Navigate to the **DECT** and click on the **Master** and enter the following:

- **Mode** Select Active from the dropdown box.
- **Enable PARI Function** Tick the check box.
- **Protocol** Select **SIP** from the dropdown box.
- **Proxy** Enter the IP address of the CS1000 Node followed by **:5070**.
- **Domain** Enter the appropriate domain followed by **:5070**.
- **Enbloc Dialing** Tick the check box.
- **Allow DTMF through RTP** Tick the check box.

Click the **OK** button to continue (not shown).

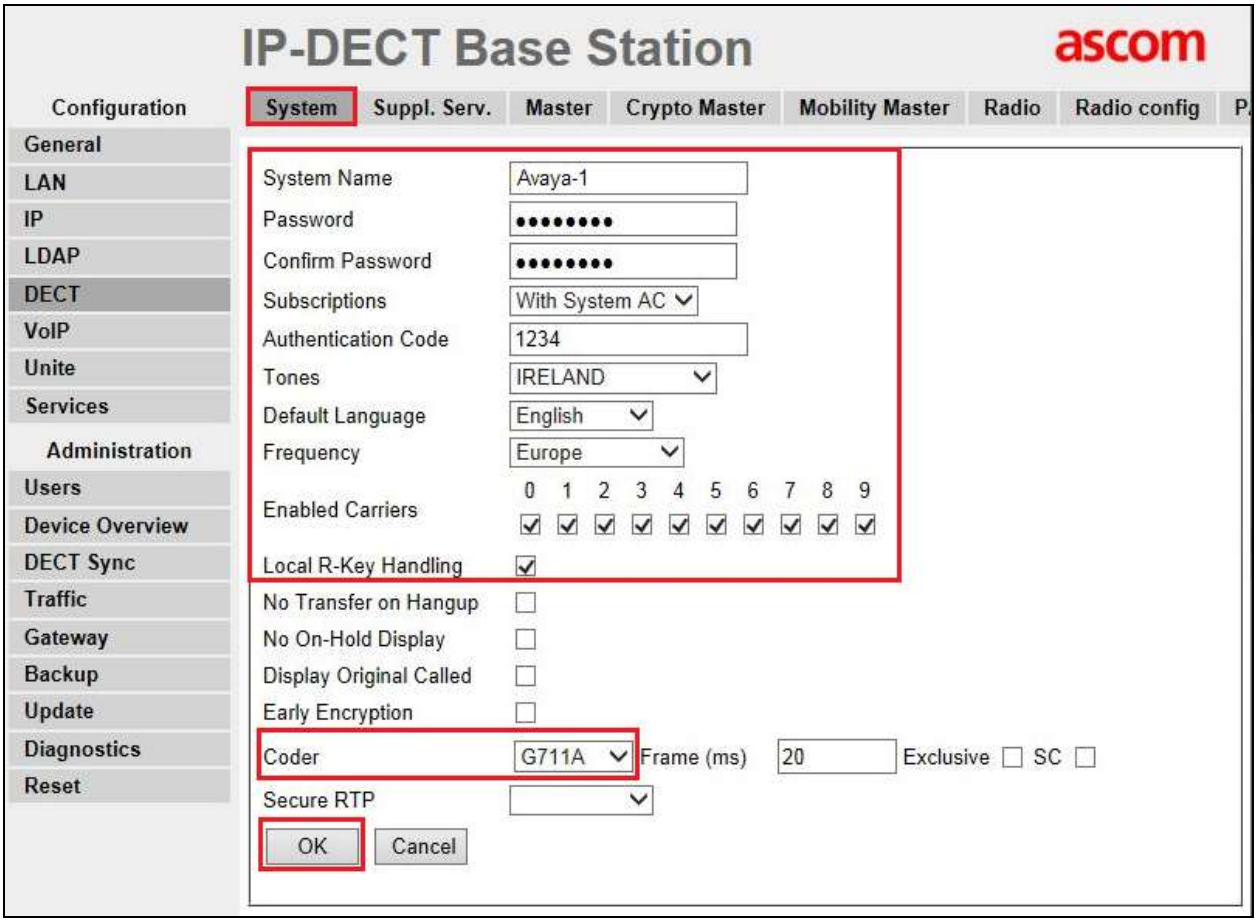


7.1.6.1 Configure DECT System

Click on the **System** tab and enter the following:

- **System Name** Enter the System Name as previously configured.
- **Password** Enter the Password as previously configured.
- **Confirm Password** Confirm the Password.
- **Subscriptions** Select **With System AC** from the dropdown box.
- **Authentication Code** Enter the DECT handset Login code as configured in **Section 5.3**. (During Compliance testing **1234** was used).
- **Tones** Select the location where the IP-DECT system is located.
- **Default Language** Select the required Language from the dropdown box.
- **Frequency** Select the required Frequency from the dropdown box.
- **Enabled** Select the number of Carriers required.
- **Local R-Key Handling** Check the box.
- **Coder** Select the required Coder from the **Coder** dropdown box.

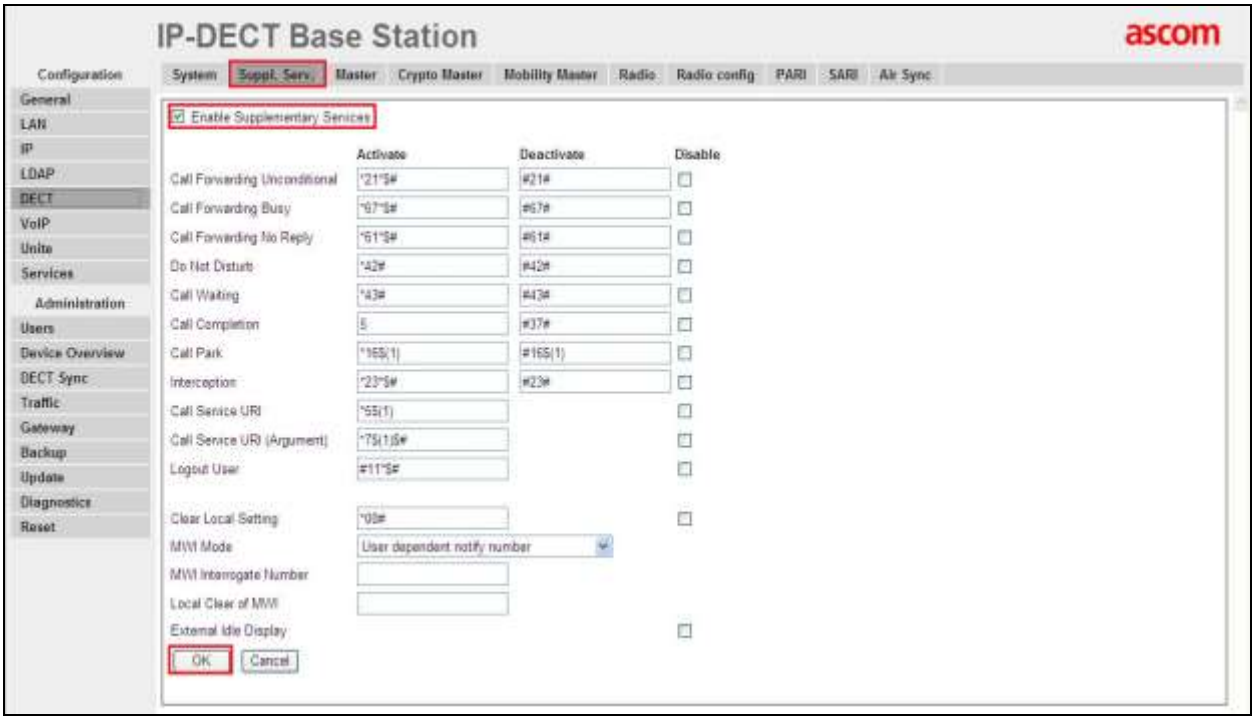
Click the **OK** button to continue.



7.1.6.2 Configure Supplementary Services

Click on the **Suppl.Serv** tab and check the **Enable Supplementary Services** check box and enter the required fields. The screen shot below shows what was used during compliance testing.

Click the **OK** button to continue.

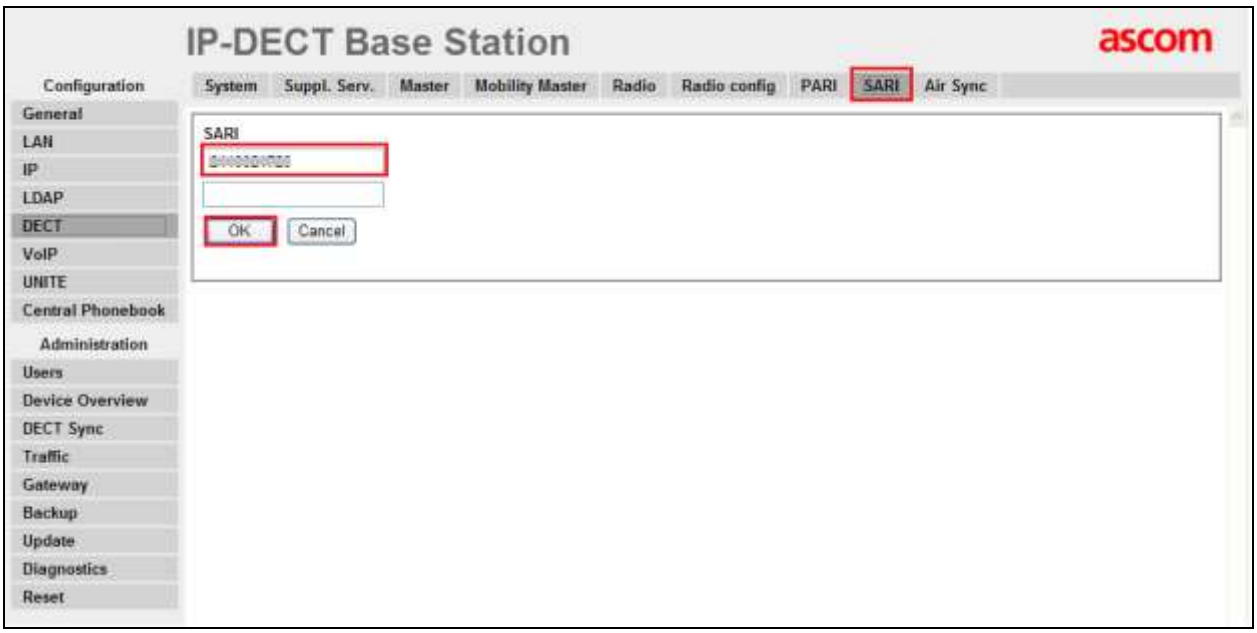


7.1.6.3 Configure PARI

Click on the **PARI** tab and enter the PARI in the System ID Field. The PARI is a user-defined system value. Enter any number from 1-292 (e.g. 25). Note the PARI is required when subscribing the Ascom Handset. Click the **OK** button to continue.

7.1.6.4 Configure SARI

Click on the **SARI** tab. The **SARI** is an Ascom provided activation code which is needed for the system to function. Contact Ascom to obtain a **SARI**. Enter the **SARI** value (note the actual value has been hidden on the screen shown below for security reasons). Click the **OK** button to continue.

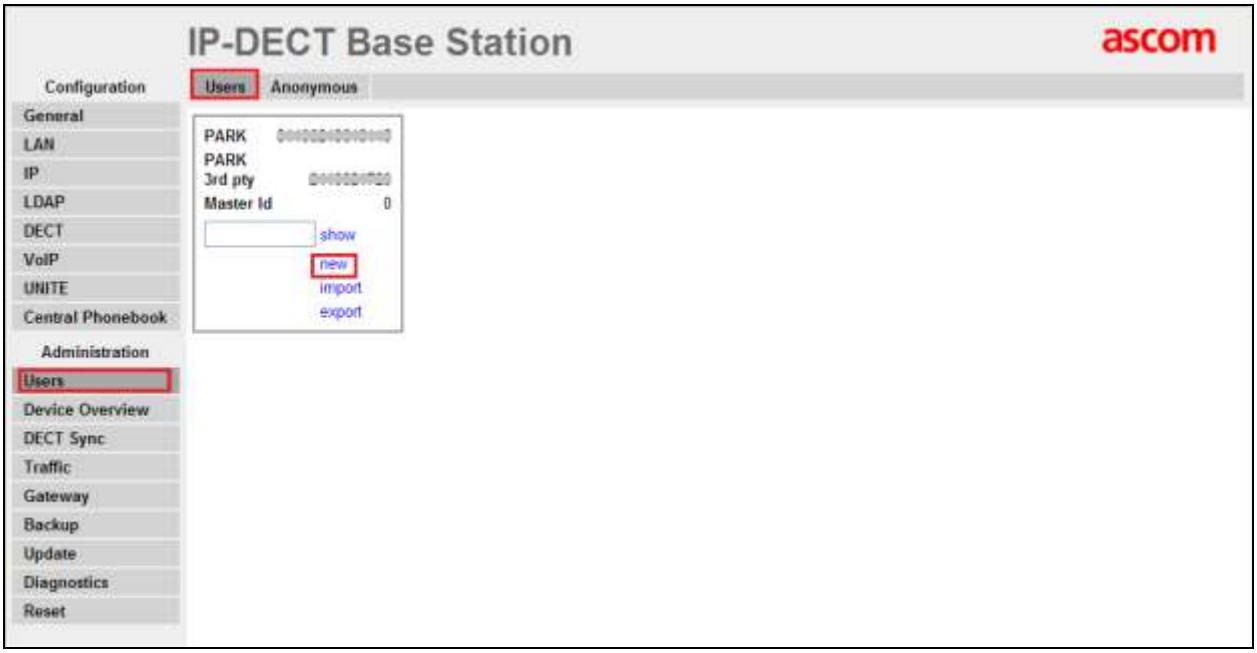


7.1.6.5 Configure Air Sync

Click on the **Air Sync** tab and select **Master** from the **Sync Mode** dropdown box. Click the **Resynchronize on command** radio button. Click the **OK** button to continue.

7.1.7. Create Users

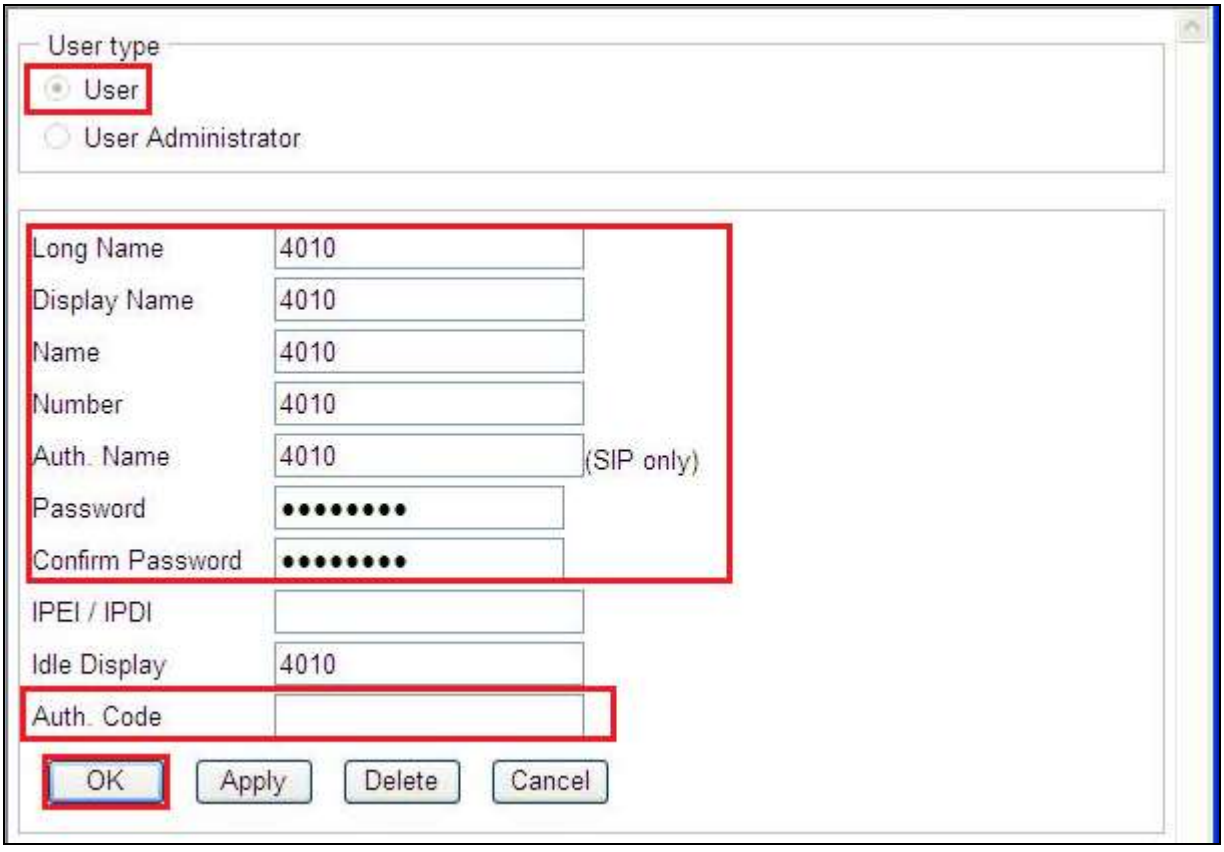
Navigate to the **Users** and click on the **Users** tab. The **Park** value is displayed. This value is needed when programming Ascom wireless DECT handsets. Note, the **PARK** information is derived from the SARI and should be obtained from an Ascom associate (Note the actual **PARK** and **PARK 3rd pty** values have been hidden on the screen shown below for security reasons). Click the **new** link to provision a new user account.



When the **User type** page is presented click on the **User** radio button and enter the following:

- **Long Name** Enter any descriptive name that identifies this user (e.g. **4010**).
- **Display Name** Enter a display name which will be displayed on the DECT Handset screen (e.g. **4010**).
- **Name** Enter the extension assigned to this user.
- **Number** Enter the extension assigned to this user.
- **Password** Enter the Password (Note, the password is the **Login Code** configured in **Section 5.3**.
- **Confirm Password** Confirm Password.
- **Auth. Code** Enter the **Auth. Code (**Note the Auth. Code is used only if **Subscriptions** in **Section 7.1.6.1** is set to **With System AC**) The Auth.Code is the same as the **Authentication Code** as configured in **Section 7.1.6.1**.

Once all the user information has been configured click the **OK** button. Repeat this process for each user being added to the system.



Repeat **Section 7.1.4** to **Reset IP-DECT Base Station**.

7.2. Configure Ascom IP DECT Handsets

Refer to the Ascom documentation in **Section 10** to obtain information on the procedures for subscribing and registering the Ascom wireless DECT Handsets to the Ascom wireless IP-DECT Base Station.

8. Verification Steps

This section provides the tests that can be performed to verify correct configuration of the Avaya and Ascom solution.

8.1. Verify Ascom IP-DECT base station is registered with Avaya Communication Server 1000

Verify that the Ascom IP-DECT base station registers successfully with the CS1000 SIP Line Gateway server and Call Server by using the CS 1000 Linux command line and CS 1000 Call Server overlay LD 32.
Log in to the SIP Line server as an administrator by using Avaya account.
Issue command **slgSetShowByUID** where UID is SIP Line user's ID being checked.

```
paul@cs1kpg1 ~]$ slgSetShowByUID 4010

=== VTRK ===
UserID           AuthId      TN               Clients  Calls
SetHandle  Pos ID    SIPL Type
---------------  ----------  ---------------  -------  -----
---------  -------   ---------
4010        4010     100-00-02-10        1      0  0x9d54d10
SIP Lines
StatusFlags = Registered Controlled KeyMapDwld SSD
FeatureMask =
CallProcStatus = -1

Current Client = 0, Total Clients = 1

== Client 0 ==
IPv4:Port:Trans = 10.10.40.181:2066:udp
Type          = Unknown
UserAgent     = (Ascom IP-DECT Base Station/
[7.1.4/7.1.4/IPBS2-A3/1B1])
x-nt-guid     = 99e2da894be33a8a1e2df21b35b3d4aa
RegDescrip    =
RegStatus     = 1
PbxReason     = OK
SipCode       = 200
hTransc       = (nil)
Expire        = 120
Nonce         = 8f1523c097bbd040ae463a577f8d8cdb
NonceCount    = 5
hTimer        = 0x9cebcd0
TimeRemain    = 102
Stale         = 0
```

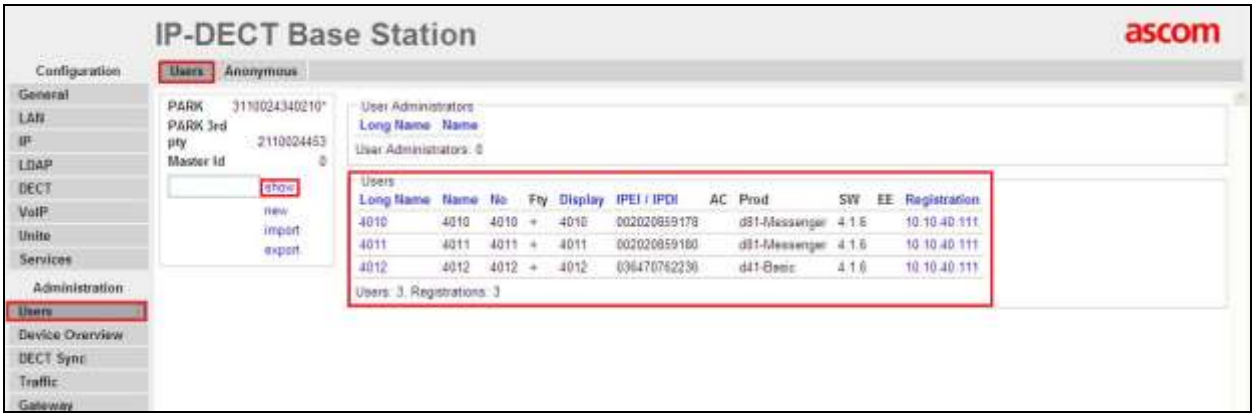
```
Outbound      = 0
ClientGUID    = 0
MSec CLS      = MSNV (MSEC-Never)
Contact       = sip:4010@10.10.40.181:2066;transport=UDP
KeyNum        = 255
AutoAnswer    = NO

Key  Func  Lamp  Label
0    2     0     4010
1    126   0     274010
17   16    0
18   18    0
19   27    0
20   19    0
21   52    0
22   25    0
24   11    0
25   30    0
26   31    0


== Subscription Info ==
Subscription Event  = None
Subscription Handle = (nil)
SubscribeFlag = 0
[paul@cs1kpg1 ~]$
```

Log in to the call server using the admin account. Load overlay 32 and then issue command **stat [TN]** where TN is the SIP Line user's TN being checked.

```
>ld 32
NPR000
.stat 100 0 0 10
IDLE REGISTERED 00
```

8.2. Ascom wireless DECT Handset Registration Verification

From a web browser, open a connection to the Ascom wireless IP-DECT Master Base Station (see **Section 7.1**). Navigate to the **Users** and click on the **Users** tab followed by the **show** link. A **Registration** state of "Unsubscribed" (not shown) indicates an Ascom wireless DECT Handset has not registered to the Ascom wireless IP-DECT Base Station. A **Registration** state of "Subscribed" indicates that an Ascom wireless DECT Handset has connected to the Ascom wireless IP-DECT Base Station and requested the use of that particular extension. A **Registration** state that displays the IP Address of the CS1000 Node IP address indicates the extension has successfully registered to both the Ascom wireless IP-DECT Base Station and CS1000. The screen shot shows 3 DECT Handsets registered to both the Ascom wireless IP-DECT Base Station and CS1000.



9. Conclusion

All of the executed test cases have passed and met the objectives outlined in the **Section 2.1**, with one observation outlined in **Section 2.2**. The Ascom DECT system is considered to be in compliance with CS1000 Release 7.6.

10. 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 Output Reference — Administration Avaya Communication Server 1000 R7.6* NN43001-611, 05.02
[2] *SIP Line Fundamentals Avaya Communication Server 1000 R7.6* NN43001-508, 03.03
[3] *Co-resident Call Server and Signaling Server Fundamentals Avaya Communication Server 1000 R7.6* NN43001-509, 03.01

Product Documentation for Ascom Products can be obtained from Ascom or may be requested at https://www.ascom-ws.com/AscomPartnerWeb/Templates/WebLogin.aspx (login required).

Appendix A

Avaya Communication Server 1000 R7.6 - Linux Patches

```
Product Release: 7.65.16.00
In system patches: 0

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

Avaya Communication Server 1000 R7.6 - Call Server Patches

```
VERSION 4121
RELEASE 7
ISSUE 65 P +
DepList 1: core Issue: 01 (created: 2013-12-17 04:32:53 (est))

IN-SERVICE PEPS
PAT# CR #            PATCH REF #     NAME      DATE        FILENAME       SPECINS
000  wi01052968      ISS1:1OF1       p32540_1  19/03/2014  p32540_1.cpl   NO
001  wi01045058      ISS1:1OF1       p32214_1  19/03/2014  p32214_1.cpl   NO
002  wi01085855      ISS1:1OF1       p32658_1  19/03/2014  p32658_1.cpl   NO
003  wi01053314      ISS1:1OF1       p32555_1  19/03/2014  p32555_1.cpl   NO
004  wi01060382      iss1:1of1       p32623_1  19/03/2014  p32623_1.cpl   YES
005  wi01070580      ISS1:1OF1       p32380_1  19/03/2014  p32380_1.cpl   NO
006  wi01101876      ISS1:1OF1       p32858_1  20/03/2014  p32858_1.cpl   NO
007  wi01061481      ISS1:1OF1       p32382_1  19/03/2014  p32382_1.cpl   NO
008  wi01124074      ISS1:1OF1       p32989_1  20/03/2014  p32989_1.cpl   NO
009  wi01099300      iss1:1of1       p32704_1  20/03/2014  p32704_1.cpl   NO
010  wi01035976      ISS1:1OF1       p32173_1  19/03/2014  p32173_1.cpl   NO
011  wi01065922      ISS1:1OF1       p32516_1  19/03/2014  p32516_1.cpl   NO
012  wi01055480      ISS1:1OF1       p32712_1  19/03/2014  p32712_1.cpl   NO
013  wi01041453      ISS1:1OF1       p32587_1  19/03/2014  p32587_1.cpl   NO
014  wi01096842      ISS1:1OF1       p32731_1  20/03/2014  p32731_1.cpl   NO
015  WI0110261       ISS1:1OF1       p32758_1  19/03/2014  p32758_1.cpl   NO
016  wi01064599      iss1:1of1       p32580_1  19/03/2014  p32580_1.cpl   NO
017  wi01098783      ISS1:1OF1       p32748_1  20/03/2014  p32748_1.cpl   NO
018  wi01072027      ISS1:1OF1       p32689_1  19/03/2014  p32689_1.cpl   NO
019  wi01059388      iss1:1of1       p32628_1  19/03/2014  p32628_1.cpl   NO
020  wi01104410      ISS1:1OF1       p32801_1  20/03/2014  p32801_1.cpl   NO
021  wi00933195      ISS1:1OF1       p32491_1  19/03/2014  p32491_1.cpl   NO
022  wi00996734      ISS1:1OF1       p32550_1  19/03/2014  p32550_1.cpl   NO
023  wi01065118      ISS1:1OF1       p32397_1  19/03/2014  p32397_1.cpl   NO
024  wi01063864      ISS1:1OF1       p32410_1  19/03/2014  p32410_1.cpl   YES
025  wi01096712      ISS1:1OF1       p32708_1  20/03/2014  p32708_1.cpl   NO
026  wi01075359      ISS1:1OF1       p32671_1  19/03/2014  p32671_1.cpl   NO
027  wi01080753      ISS1:1OF1       p32518_1  19/03/2014  p32518_1.cpl   NO
028  wi01070473      ISS1:1OF1       p32413_1  19/03/2014  p32413_1.cpl   NO
029  wi01075355      ISS1:1OF1       p32594_1  19/03/2014  p32594_1.cpl   NO
030  wi01071379      ISS1:1OF1       p32522_1  19/03/2014  p32522_1.cpl   NO
031  wi01070756      ISS1:1OF1       p32444_1  19/03/2014  p32444_1.cpl   NO
032  wi01075353      ISS1:1OF1       p32613_1  19/03/2014  p32613_1.cpl   NO
033  wi01062607      ISS1:1OF1       p32503_1  19/03/2014  p32503_1.cpl   NO
034  wi01068851      ISS1:1OF1       p32439_1  19/03/2014  p32439_1.cpl   NO
035  wi01075352      ISS1:1OF1       p32603_1  19/03/2014  p32603_1.cpl   NO
036  wi01092300      ISS1:1OF1       p32692_1  19/03/2014  p32692_1.cpl   NO
037  wi01063263      ISS1:1OF1       p32573_1  19/03/2014  p32573_1.cpl   NO
038  wi01087528      ISS1:1OF1       p32700_1  19/03/2014  p32700_1.cpl   NO
039  wi01111400      ISS1:1OF1       p32854_1  20/03/2014  p32854_1.cpl   NO
040  wi01039280      ISS1:1OF1       p32423_1  19/03/2014  p32423_1.cpl   NO
041  wi01068669      ISS1:1OF1       p32333_1  19/03/2014  p32333_1.cpl   NO
042  wi01069441      ISS1:1OF1       p32097_1  19/03/2014  p32097_1.cpl   NO
043  wi01058621      ISS1:1OF1       p32339_1  19/03/2014  p32339_1.cpl   NO
044  wi01032756      ISS1:1OF1       p32673_1  19/03/2014  p32673_1.cpl   NO
045  wi01070465      iss1:1of1       p32562_1  19/03/2014  p32562_1.cpl   NO
046  wi01053920      ISS1:1OF1       p32303_1  19/03/2014  p32303_1.cpl   NO
047  wi00897254      ISS1:1OF1       p31127_1  19/03/2014  p31127_1.cpl   NO
048  wi01057403      ISS1:1OF1       p32591_1  19/03/2014  p32591_1.cpl   NO
049  wi01066991      ISS1:1OF1       p32449_1  19/03/2014  p32449_1.cpl   NO
050  wi01094305      ISS1:1OF1       p32640_1  19/03/2014  p32640_1.cpl   NO
051  wi01060611      ISS1:1OF1       p32809_1  20/03/2014  p32809_1.cpl   NO
```

```
052  wi01123033      ISS1:1OF1       p33006_1  20/03/2014  p33006_1.cpl   NO
053  wi01060241      ISS1:1OF1       p32381_1  19/03/2014  p32381_1.cpl   NO
054  wi01034307      ISS1:1OF1       p32615_1  19/03/2014  p32615_1.cpl   NO
055  wi01052428      ISS1:1OF1       p32606_1  19/03/2014  p32606_1.cpl   NO
056  wi00884716      ISS1:1OF1       p32517_1  19/03/2014  p32517_1.cpl   NO
057  wi01070468      iss1:1of1       p32418_1  19/03/2014  p32418_1.cpl   NO
058  wi01091447      ISS1:1OF1       p32675_1  19/03/2014  p32675_1.cpl   NO
059  wi01130189      ISS1:1OF1       p33004_1  20/03/2014  p33004_1.cpl   YES
060  wi01132599      ISS1:1OF1       p33025_1  20/03/2014  p33025_1.cpl   NO
061  wi01065125      ISS1:1OF1       p32416_1  19/03/2014  p32416_1.cpl   NO
062  wi01056633      ISS1:1OF1       p32322_1  19/03/2014  p32322_1.cpl   NO
063  wi01078721      ISS1:1OF1       p32553_1  20/03/2014  p32553_1.cpl   NO
064  wi01053597      ISS1:1OF1       p32304_1  19/03/2014  p32304_1.cpl   NO
065  wi01132883      ISS1:1OF1       p33030_1  20/03/2014  p33030_1.cpl   NO
066  wi01025156      ISS1:1OF1       p32136_1  19/03/2014  p32136_1.cpl   NO
067  wi01088775      ISS1:1OF1       p32659_1  19/03/2014  p32659_1.cpl   NO
068  wi01114038      ISS1:1OF1       p32869_1  20/03/2014  p32869_1.cpl   NO
069  wi01075360      iss1:1of1       p32602_1  19/03/2014  p32602_1.cpl   NO
070  wi01053195      ISS1:1OF1       p32297_1  19/03/2014  p32297_1.cpl   NO
071  wi01043367      ISS1:1OF1       p32232_1  19/03/2014  p32232_1.cpl   NO
072  wi01082456      ISS1:1OF1       p32596_1  19/03/2014  p32596_1.cpl   NO
073  wi01089519      ISS1:1OF1       p32665_1  19/03/2014  p32665_1.cpl   NO
074  wi01105888      ISS1:1OF1       p32794_1  20/03/2014  p32794_1.cpl   NO
075  wi01088585      ISS1:1OF1       p32656_1  19/03/2014  p32656_1.cpl   NO
076  wi01035980      ISS1:1OF1       p32558_1  19/03/2014  p32558_1.cpl   NO
077  wi01087543      ISS1:1OF1       p32662_1  19/03/2014  p32662_1.cpl   NO
078  wi01060826      ISS1:1OF1       p32379_1  19/03/2014  p32379_1.cpl   NO
079  wi01114177      ISS1:1OF1       p32871_1  20/03/2014  p32871_1.cpl   NO
080  wi01034961      ISS1:1OF1       p32144_1  19/03/2014  p32144_1.cpl   NO
081  wi01111041      ISS1:1OF1       p32840_1  20/03/2014  p32840_1.cpl   NO
082  WI01077073      ISS1:1OF1       p32534_1  19/03/2014  p32534_1.cpl   NO
083  wi01133985      ISS1:1OF1       p33049_1  20/03/2014  p33049_1.cpl   NO
084  wi01060341      ISS1:1OF1       p32578_1  19/03/2014  p32578_1.cpl   NO
085  wi01130836      ISS1:1OF1       p33008_1  20/03/2014  p33008_1.cpl   YES
086  wi01118928      ISS1:1OF1       p32922_1  20/03/2014  p32922_1.cpl   NO
087  wi01070585      ISS1:1OF1       p32383_1  20/03/2014  p32383_1.cpl   NO
088  wi01071296      ISS1:1OF1       p32836_1  20/03/2014  p32836_1.cpl   NO
089  wi01089355      ISS1:1OF1       p32674_1  20/03/2014  p32674_1.cpl   YES
090  wi01119312      ISS1:1OF1       p32919_1  20/03/2014  p32919_1.cpl   NO
091  wi01134952      ISS1:1OF1       p33039_1  20/03/2014  p33039_1.cpl   NO
092  wi01124477      ISS1:1OF1       p32963_1  20/03/2014  p32963_1.cpl   NO
093  wi01117636      ISS1:1OF1       p32941_1  20/03/2014  p32941_1.cpl   YES
094  wi01115894      ISS1:1OF1       p32910_1  20/03/2014  p32910_1.cpl   NO
095  wi01101385      ISS1:1OF1       p32773_1  20/03/2014  p32773_1.cpl   YES
096  wi01115450      ISS1:1OF1       p32888_1  20/03/2014  p32888_1.cpl   NO
097  wi01075538      ISS1:1OF1       p32469_1  20/03/2014  p32469_1.cpl   NO
098  wi01038234      ISS1:1OF1       p32192_1  20/03/2014  p32192_1.cpl   YES
099  wi01126552      ISS1:1OF1       p32975_1  20/03/2014  p32975_1.cpl   NO
100  wi01130405      ISS1:1OF1       p33015_1  20/03/2014  p33015_1.cpl   NO
101  wi01129028      ISS1:1OF1       p33016_1  20/03/2014  p33016_1.cpl   NO
102  wi01099724      ISS1:1OF1       p32742_1  20/03/2014  p32742_1.cpl   YES
103  wi01129098      ISS1:1OF1       p32951_1  20/03/2014  p32951_1.cpl   NO
104  wi01101781      ISS1:1OF1       p32890_1  20/03/2014  p32890_1.cpl   NO
105  WI01108562      ISS1:1OF1       p32832_1  20/03/2014  p32832_1.cpl   NO
106  wi01094727      ISS1:1OF1       p32848_1  20/03/2014  p32848_1.cpl   NO
107  wi01096967      ISS1:1OF1       p32735_1  20/03/2014  p32735_1.cpl   NO
108  wi01022598      ISS1:1OF1       p32066_1  20/03/2014  p32066_1.cpl   NO
109  wi01126454      ISS1:1OF1       p32973_1  20/03/2014  p32973_1.cpl   NO
110  wi01051200      ISS1:1OF1       p32290_1  20/03/2014  p32290_1.cpl   NO
111  wi01127640      ISS1:1OF1       p32992_1  20/03/2014  p32992_1.cpl   NO
112  wi01128512      ISS1:1OF1       p32997_1  20/03/2014  p32997_1.cpl   NO
113  wi01122174      ISS1:1OF1       p32936_1  20/03/2014  p32936_1.cpl   NO
```

```
114  wi01097598      ISS1:1OF1       p32797_1  20/03/2014  p32797_1.cpl   NO
115  wi01095462      ISS1:1OF1       p32723_1  20/03/2014  p32723_1.cpl   NO
116  wi01108828      ISS1:1OF1       p32831_1  20/03/2014  p32831_1.cpl   NO
117  wi01104473      ISS1:1OF1       p32818_1  20/03/2014  p32818_1.cpl   NO
118  wi01079444      ISS1:1OF1       p32564_1  20/03/2014  p32564_1.cpl   NO
119  wi01109251      ISS1:1OF1       p32827_1  20/03/2014  p32827_1.cpl   NO
120  wi01092443      ISS1:1OF1       p32676_1  20/03/2014  p32676_1.cpl   NO
121  wi01099292      ISS1:1OF1       p32886_1  20/03/2014  p32886_1.cpl   NO
122  wi01104867      ISS1:1OF1       p32828_1  20/03/2014  p32828_1.cpl   NO
123  wi01080963      ISS1:1OF1       p32626_1  20/03/2014  p32626_1.cpl   YES
124  wi01065115      ISS1:1OF1       p32523_1  20/03/2014  p32523_1.cpl   NO
125  wi01081510      ISS1:1OF1       p32582_1  20/03/2014  p32582_1.cpl   NO
126  wi01110593      ISS1:1OF1       p32849_1  20/03/2014  p32849_1.cpl   NO
127  wi01099606      iss1:1of1       p32713_1  20/03/2014  p32713_1.cpl   NO
128  wi01123389      ISS1:1OF1       p33045_1  20/03/2014  p33045_1.cpl   NO
129  wi01072062      ISS1:1OF1       p32776_1  20/03/2014  p32776_1.cpl   NO
130  wi01076654      ISS1:1OF1       p32529_1  20/03/2014  p32529_1.cpl   NO
131  WI01092793      ISS1:1OF1       p32699_1  20/03/2014  p32699_1.cpl   NO
132  wi01128596      ISS1:1OF1       p33000_1  20/03/2014  p33000_1.cpl   NO
133  wi01090535      ISS1:1OF1       p32519_1  20/03/2014  p32519_1.cpl   NO
134  wi01127447      ISS1:1OF1       p32990_1  20/03/2014  p32990_1.cpl   NO
135  wi01132244      ISS1:1OF1       p33041_1  20/03/2014  p33041_1.cpl   NO
136  wi01126704      ISS1:1OF1       p32980_1  20/03/2014  p32980_1.cpl   NO
137  wi01093118      ISS1:1OF1       p32496_1  20/03/2014  p32496_1.cpl   NO
138  wi01108262      ISS1:1OF1       p32865_1  20/03/2014  p32865_1.cpl   YES
139  wi01098433      ISS1:1OF1       p32736_1  20/03/2014  p32736_1.cpl   NO
140  wi01115807      ISS1:1OF1       p32895_1  20/03/2014  p32895_1.cpl   YES
141  wi01072366      ISS1:1OF1       p32488_1  20/03/2014  p32488_1.cpl   NO
142  wi01136698      ISS1:1OF1       p33057_1  20/03/2014  p33057_1.cpl   NO
143  wi01119086      ISS1:1OF1       p32917_1  20/03/2014  p32917_1.cpl   NO
144  wi01132204      ISS1:1OF1       p32501_1  20/03/2014  p32501_1.cpl   NO
145  wi01058378      ISS1:1OF1       p32344_1  20/03/2014  p32344_1.cpl   NO
146  wi01088797      ISS1:1OF1       p32844_1  20/03/2014  p32844_1.cpl   NO
147  wi00937672      ISS1:1OF1       p31276_1  20/03/2014  p31276_1.cpl   NO
148  wi01098905      ISS1:1OF1       p32556_1  20/03/2014  p32556_1.cpl   NO
149  wi01120705      ISS1:1OF1       p32930_1  20/03/2014  p32930_1.cpl   NO
150  wi01120406      ISS1:1OF1       p32956_1  20/03/2014  p32956_1.cpl   NO
151  wi01083896      ISS1:1OF1       p32937_1  20/03/2014  p32937_1.cpl   NO
152  wi01130815      ISS1:1OF1       p33017_1  20/03/2014  p33017_1.cpl   NO
153  wi01113374      ISS1:1OF1       p32874_1  20/03/2014  p32874_1.cpl   NO
154  wi01102168      ISS1:1OF1       p32738_1  20/03/2014  p32738_1.cpl   NO
155  wi01104627      ISS1:1OF1       p32819_1  20/03/2014  p32819_1.cpl   NO
156  wi01137003      ISS1:1OF1       p33053_1  20/03/2014  p33053_1.cpl   NO
157  wi01093071      ISS1:1OF1       p32701_1  20/03/2014  p32701_1.cpl   NO
158  wi01068751      ISS1:1OF1       p32445_1  20/03/2014  p32445_1.cpl   NO
159  wi01134602      ISS1:1OF1       p32398_1  20/03/2014  p32398_1.cpl   NO
160  wi01102093      ISS1:1OF1       p32760_1  20/03/2014  p32760_1.cpl   NO
161  wi01101969      ISS1:1OF1       p32726_1  20/03/2014  p32726_1.cpl   NO
162  wi01133106      ISS1:1OF1       p33032_1  20/03/2014  p33032_1.cpl   NO
163  wi01070279      ISS1:1OF1       p32262_1  20/03/2014  p32262_1.cpl   NO
164  wi01107601      ISS1:1OF1       p32970_1  20/03/2014  p32970_1.cpl   NO
165  wi01088915      ISS1:1OF1       p32638_1  20/03/2014  p32638_1.cpl   NO
166  wi01130348      ISS1:1OF1       p33014_1  20/03/2014  p33014_1.cpl   NO
167  wi01077639      ISS1:1OF1       p32883_1  20/03/2014  p32883_1.cpl   NO
168  wi01125238      ISS1:1OF1       p32971_1  20/03/2014  p32971_1.cpl   NO
169  wi01000087      ISS1:1OF1       p32014_1  20/03/2014  p32014_1.cpl   NO
170  wi01119100      ISS1:1OF1       p32925_1  20/03/2014  p32925_1.cpl   NO
171  wi01132902      ISS1:1OF1       p33028_1  20/03/2014  p33028_1.cpl   NO
172  wi01053950      ISS1:1OF1       p32654_1  20/03/2014  p32654_1.cpl   YES
173  wi01082824      ISS1:1OF1       p32467_1  20/03/2014  p32467_1.cpl   NO
174  wi01109345      ISS1:1OF1       p32830_1  20/03/2014  p32830_1.cpl   NO
175  wi01073725      ISS1:1OF1       p32552_1  20/03/2014  p32552_1.cpl   NO
```

```
176  wi01103142      ISS1:1OF1       p32778_1  20/03/2014  p32778_1.cpl   NO
177  wi01099810      ISS1:1OF1       p32796_1  20/03/2014  p32796_1.cpl   NO
178  wi01134354      ISS1:1OF1       p33031_1  20/03/2014  p33031_1.cpl   NO
179  wi01127527      ISS1:1OF1       p32988_1  20/03/2014  p32988_1.cpl   YES
180  wi01095255      ISS1:1OF1       p33027_1  20/03/2014  p33027_1.cpl   NO
181  wi01121374      ISS1:1OF1       p31107_1  20/03/2014  p31107_1.cpl   NO
182  wi01102475      ISS1:1OF1       p32782_1  20/03/2014  p32782_1.cpl   YES
183  wi01120458      ISS1:1OF1       p32929_1  20/03/2014  p32929_1.cpl   NO
184  wi01118320      ISS1:1OF1       p32753_1  20/03/2014  p32753_1.cpl   NO
185  wi01133960      ISS1:1OF1       p33034_1  20/03/2014  p33034_1.cpl   NO
186  wi01075540      ISS1:1OF1       p32492_1  20/03/2014  p32492_1.cpl   NO
187  wi01112655      ISS1:1OF1       p32870_1  20/03/2014  p32870_1.cpl   NO
188  wi01106658      ISS1:1OF1       p32812_1  20/03/2014  p32812_1.cpl   NO
189  wi01021522      ISS1:1OF1       p32863_1  20/03/2014  p32863_1.cpl   NO
190  wi01089807      ISS1:1OF1       p32957_1  20/03/2014  p32957_1.cpl   NO
191  wi01083036      ISS1:1OF1       p32571_1  20/03/2014  p32571_1.cpl   NO
192  wi01102091      ISS1:1OF1       p32744_1  20/03/2014  p32744_1.cpl   YES
193  wi01104486      ISS1:1OF1       p32866_1  20/03/2014  p32866_1.cpl   NO
194  wi01119863      ISS1:1OF1       p32923_1  20/03/2014  p32923_1.cpl   NO
195  wi01071996      ISS1:1OF1       p32461_1  20/03/2014  p32461_1.cpl   NO
196  wi01094832      iss1:1of1       p32718_1  20/03/2014  p32718_1.cpl   NO
197  wi01115369      ISS1:1OF1       p32889_1  20/03/2014  p32889_1.cpl   NO
198  wi01137737      ISS1:1OF1       p33055_1  20/03/2014  p33055_1.cpl   NO
199  wi01081692      ISS1:1OF1       p32569_1  20/03/2014  p32569_1.cpl   NO
200  wi01065248      ISS1:1OF1       p32412_1  20/03/2014  p32412_1.cpl   NO
201  wi01132222      ISS1:1OF1       p33023_1  20/03/2014  p33023_1.cpl   NO
202  wi01127874      ISS1:1OF1       p25747_1  20/03/2014  p25747_1.cpl   NO
203  wi01118819      ISS1:1OF1       p32954_1  20/03/2014  p32954_1.cpl   NO
204  wi01096907      ISS1:1OF1       p32733_1  20/03/2014  p32733_1.cpl   NO
205  wi01111194      ISS1:1OF1       p32821_1  20/03/2014  p32821_1.cpl   NO
206  wi01113712      ISS1:1OF1       p32877_1  20/03/2014  p32877_1.cpl   NO
207  wi01100508      ISS1:1OF1       p32761_1  20/03/2014  p32761_1.cpl   NO
208  wi01096910      ISS1:1OF1       p32734_1  20/03/2014  p32734_1.cpl   NO
209  wi01071659      ISS1:1OF1       p32589_1  20/03/2014  p32589_1.cpl   NO
210  wi01075149      ISS1:1OF1       p32475_1  20/03/2014  p32475_1.cpl   NO
211  wi01097166      ISS1:1OF1       p32878_1  20/03/2014  p32878_1.cpl   NO
212  wi01068922      ISS1:1OF1       p32454_1  20/03/2014  p32454_1.cpl   NO
213  wi01127738      ISS1:1OF1       p32993_1  20/03/2014  p32993_1.cpl   NO
214  wi01102296      ISS1:1OF1       p32780_1  20/03/2014  p32780_1.cpl   NO
215  wi01076948      ISS1:1OF1       p32526_1  20/03/2014  p32526_1.cpl   YES
216  wi01088055      ISS1:1OF1       p32607_1  20/03/2014  p32607_1.cpl   NO
217  wi01114695      ISS1:1OF1       p32885_1  20/03/2014  p32885_1.cpl   NO
MDP>LAST SUCCESSFUL MDP REFRESH :2014-03-20 09:14:46(Local Time)
MDP>USING DEPLIST ZIP FILE DOWNLOADED :2014-03-20 04:55:58(est)
```

Appendix B

Avaya Communication Server 1000 Route for SIP Line Gateway

```
LD 21
REQ: prt
TYPE: rdb
CUST 0
ROUT 40

TYPE RDB
CUST 00
ROUT 40
DES  SIPL
TKTP TIE
M911P NO
ESN  NO
RPA  NO
CNVT NO
SAT  NO
RCLS EXT
VTRK YES
ZONE 00040
PCID SIPL
CRID NO
NODE 111
DTRK NO
ISDN YES
    MODE ISLD
    DCH  1
    IFC  SL1
    PNI  00000
    NCNA YES
    NCRD NO
    FALT NO
    CTYP UKWN
    INAC NO
    ISAR NO
    DAPC NO
MBXR NO
MBXOT NPA
MBXT 0
PTYP ATT
CNDP UKWN
AUTO NO
DNIS NO
DCDR NO
ICOG IAO
SRCH LIN
TRMB YES
STEP
ACOD 8040
TCPP NO
PII NO
AUXP NO
TARG
CLEN 1
BILN NO
OABS
INST
```

```
IDC  NO
DCNO 0 *
NDNO 0
DEXT NO
ANTK
SIGO STD
STYP SDAT
MFC  NO
ICIS YES
OGIS YES
PTUT 0
TIMR ICF  1920
     OGF  1920


PAGE 002

     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
NEDC ORG
FEDC ORG
CPDC NO
DLTN NO
HOLD 02 02 40
SEIZ 02 02
SVFL 02 02
DRNG NO
CDR  NO
NATL YES
SSL
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  6 0
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
ART  0
PECL NO


PAGE 003

DCTI 0
TIDY 1012 40
ATRR NO
TRRL NO
SGRP 0
CCBA NO
ARDN NO
CTBL 0
ANIE 0
CAC_CIS 3
AACR NO
```

Avaya Communication Server 1000 D-Channel for SIP line Gateway

```
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 ND2
  MBGA NO
  H323
    OVLR NO
    OVLS NO
```

Avaya Communication Server 1000 Trunk Channel for SIP line Gateway

```
LD 20
DES  SIPL
TN   100 0 01 00  VIRTUAL
TYPE IPTI
CDEN 8D
CUST 0
XTRK VTRK
ZONE 00040
TIMP 600
BIMP 600
AUTO_BIMP NO
NMUS NO
TRK  ANLG
NCOS 0
RTMB 40 1
CHID 1
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 28 AUG 2013
```

Please e-mail any questions or comments pertaining to these Application Notes along with the full title name and filename, located in the lower right corner, directly to the Avaya DevConnect Program at devconnect@avaya.com.