



## Avaya Solution & Interoperability Test Lab

# **Application Notes for configuring Ascom Wi-Fi Myco Smartphones with Avaya Communication Server 1000 Release 7.6 – Issue 1.0**

## **Abstract**

These Application Notes describe a solution comprised of Ascom Wi-Fi Myco smartphones with Avaya Communication Server 1000 7.6. During the compliance testing, the Ascom Wi-Fi Myco smartphone registered as a SIP endpoint with Communication Server 1000 SIP Line gateway. The Ascom Wi-Fi Myco smartphone made and received calls. 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 detail configurations of Avaya Communication Server 1000 R7.6 (CS1000) and the Ascom Wi-Fi Myco smartphones (Myco) used during the compliance testing. Myco registered with the SIP Line Gateway (SLG) application on the Avaya Communication Server 1000.

Ascom Myco is a truly purpose-built smartphone for healthcare, providing caregivers and clinicians with the information they need where it matters the most. Where Ascom Myco is developed for nurses, caregivers and clinicians, it affects and involves other functions in healthcare as well, such as hospital management, IT, consultants, etc.

Ascom works actively along with partners, leading application developers, mobile network operators, WLAN infrastructure suppliers, and PBX vendors such as Avaya, to perform verification testing and certify that these products/solutions interoperate harmoniously, as one seamless system.

## **2. General Test Approach and Test Results**

The general test approach was to allow the Myco to register to the CS1000. Calls were then placed from other CS1000 telephone clients/users to and from the Myco. Other telephony features such as busy, hold, Transfer, Conference, Call Forward, DTMF, codec negotiation, Message Waiting Indication and Hunt Groups were also verified.

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.

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.

## 2.1. Interoperability Compliance Testing

The focus of this testing was to verify that the Myco was able to interoperate with the CS1000.

The following areas were tested:

- Registration of the Myco to the CS1000.
- Call establishment of Myco with CS1000 Deskphones.
- Telephony features tested included:
  - Basic Calls
  - Conference Calls (Avaya telephones host the conference only)
  - Blind and Supervised Transfer
  - DTMF transmission
  - Busy, hold, call waiting, call park/pickup
  - Call forward on Busy, No answer and All Calls
  - Do-not-disturb
  - Hunt groups
- PSTN calls over PRI and SIP trunk.
- Codec negotiation (G711 A-Law, G711 MU-Law, G722).
- Leaving and Retrieving Voicemail messages.
- Message Waiting Indication.
- Serviceability testing.

**Note:** Avaya Aura® Messaging was used to test voicemail and Message Waiting Indication (MWI). The setup of the voicemail box for Ascom Myco is the same as any other extension on the CS1000 and will not be covered in these Application Notes. Screen shots of this setup are included in **Appendix C** so show the setup of Mailbox for Ascom Myco 4011. Any other information on Avaya Aura® Messaging can be found in **Section 10** of these Application Notes.

**Note:** Serviceability testing included removing the LAN cable and plugging it back in from the Ascom Wireless Router and the SIP Line Gateway, as well as rebooting the phones and ensuring that MWI remains consistent throughout.

## 2.2. Test Results

Tests were performed to verify interoperability between Myco and Avaya CS1000 handsets. The tests were all functional in nature and performance testing was not included. All test cases passed successfully. The following observations were made during compliance testing:

- Call decline does not work as per design intent of SLG as explained in SLG fundamentals; in the section IP-Phone based Call Decline (Refer to **Section 10**, Chapter 5).
- Call Forward Busy and Call Forward No Answer can only be done using the handset configuration on CS1000 and not by any Flexible Feature Code (FFC), as it is not available.
- G722 Codec was only tested from Ascom Myco to Ascom Myco.

- When Ascom Myco transfers a call (Blind or Supervised), the call transfers correctly but showing on the C party's call list is the B party number and, in the case of blind transfers, this should ideally be the A party number. Same result for the CS1000 SIP phones.  
Scenario: SETA calls SETB and transfers (blind) to SETC. SETC misses the call. SETC shows missed call from SETB.

The following issues were found during compliance testing:

1. If the NAME is set on the Myco handset then the A party name does not get updated correctly when doing either a Supervised or Blind Transfer. Note the correct number is shown but not the correct name. This happens for the Avaya SIP extensions in the same way. SETA calls SETB and SETB transfers SETA to SETC. After the transfer is complete SETC shows the CLID of SETA (which is correct), SETA shows the name of SETB (which is incorrect). Avaya Ticket Number CS1000-7585.
2. Ascom SET A calls to Ascom SET B and does a supervised transfer to PSTN (QSIG or SIP) the PSTN is not updated after the transfer is complete. This is the same when using the Avaya sets to make the transfers/calls.
3. When an Ascom set is forwarded "all" or "unconditional" to an internal number and then called to from another Ascom set the CLID on the calling number is in format %22 number %22. Ascom have raised a ticket [MYCO-7483] to look into this.
4. When an Ascom set is forwarded "Busy" to an internal number and then called to from another Ascom set the CLID on the calling number is in format %22 number %22. Ascom have raised a ticket [MYCO-7483] to look into this.
5. When an Ascom set is forwarded "No Reply" to an internal number and then called to from another Ascom set A the CLID/name on Set A is not updated correctly. A calls to B (B is FNA to C). The CLID on C shows A is calling but the CLID on A shows that it is calling B but it is actually connected to C. This is the same for the CS1000 SIP sets.

## 2.3. Support

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

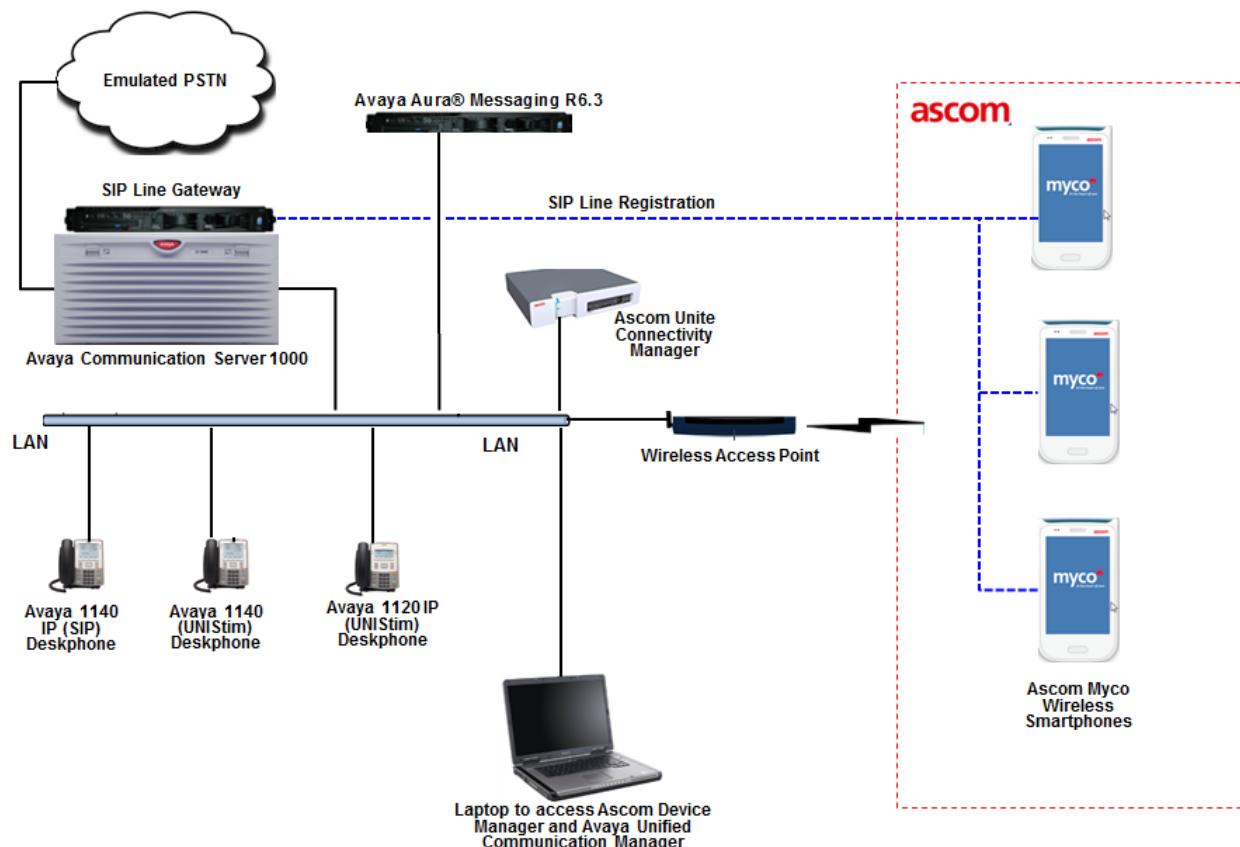
- Email: [support@ascom.com](mailto:support@ascom.com) or Help desk: +46 31 559450

### 3. Reference Configuration

**Figure 1** illustrates the test configuration used during the compliance testing between the Avaya CS1000 and the Ascom Myco 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. Unified Communication Manager (UCM) is used to configure the SLG. A number of Avaya Deskphones were configured. The Wireless Router was connected to the same IP Network as the CS1000. A simulated PSTN was configured to enable incoming and outgoing trunk calls. Avaya Aura® Messaging provided voicemail.

A laptop on the network that can access and connect to the Ascom Device Manager is used to configure the Myco. The Ascom Unite Connectivity Manager (UniteCM) is the core software platform in the Ascom system.

**Note:** The configuration of the wireless router is outside the scope of these Application Notes.



**Figure 1: Avaya Commination Server 1000 and Ascom Reference Configuration**

## **4. Equipment and Software Validated**

The following equipment and software was used during the lab testing:

<b>Equipment/Software</b>	<b>Release/Version</b>
Avaya Communication Server 1000 running on a Call Processor Pentium Mobile (CPPM)	R7.6 Version 7.65 P (SP8)
SIP Line Gateway	7.65.16
Avaya Aura® System Manager running on a virtual server	System Manager 7.0.1.1 Build No. - 7.0.0.0.16266 Software Update Revision No: 7.0.1.1.065378 Service Pack 1
Avaya Aura® Session Manager running on a virtual server	Session Manager R7.0 SP1 Build No. – 7.0.1.1.701114
Avaya Aura® Messaging running on a Virtual Server	R6.3.3
Avaya 1120E Deskphone (UNIStim) Avaya 1140E Deskphone (UNIStim) Avaya 1140E Deskphone (SIP)	0624C8Q 0625C8Q 04.03.12.00
Ascom Wi-Fi Myco Smartphones	6.4.0 (SIP App v1.5)
Ascom Device Manager running on Ascom UniteCM	5.8.1
Laptop to access Ascom Device Manager and Avaya UCM	Windows 7 Professional SP2

## 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 that a working system is already in place, including a Node 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 and Route 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**.

ld 22				
PT2000				
REQ slt				
System type is - CS1000E/CPHM Linux				
CPHM - Pentium M 1.4 GHz				
IPMGs Registered:	1			
IPMGs Unregistered:	0			
IPMGs Configured/unregistered:	0			
TRADITIONAL TELEPHONES	32767	LEFT	32765	USED 2
DECT USERS	32767	LEFT	32767	USED 0
IP USERS	32767	LEFT	32683	USED 84
BASIC IP USERS	32767	LEFT	32764	USED 3
TEMPORARY IP USERS	32767	LEFT	32766	USED 1
DECT VISITOR USER	10000	LEFT	10000	USED 0
ACD AGENTS	32767	LEFT	32739	USED 28
MOBILE EXTENSIONS	32767	LEFT	32761	USED 6
TELEPHONY SERVICES	32767	LEFT	32767	USED 0
CONVERGED MOBILE USERS	32767	LEFT	32767	USED 0
AVAYA SIP LINES	32767	LEFT	32755	USED 12
THIRD PARTY SIP LINES	32767	LEFT	32740	USED 27
PCA	32767	LEFT	32764	USED 3
ITG ISDN TRUNKS	32767	LEFT	32767	USED 0
H.323 ACCESS PORTS	32767	LEFT	32767	USED 0
AST	32767	LEFT	32718	USED 49
SIP CONVERGED DESKTOPS	32767	LEFT	32767	USED 0
SIP CTI TR87	32767	LEFT	32735	USED 32
SIP ACCESS PORTS	32767	LEFT	32703	USED 64
RAN CON	32767	LEFT	32767	USED 0
MUS CON	32767	LEFT	32765	USED 2 ACTIVE 0
IP RAN CON	16384	LEFT	16384	USED 0
IP MUS CON	16896	LEFT	16896	USED 0 ACTIVE 0
IP MEDIA SESSIONS	35842	LEFT	35842	USED 0 ACTIVE 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 the Myco. Screen below shows an already configured SLS Data block using the print command in **LD 21**.

```
>ld 21
PT1000
REQ: prt
TYPE: sls
TYPE SLS_DATA
CUST 0
TYPE SLS DATA
CUST 00
SIPL_ON YES
UAPR 27
NMME YES
```

## 5.3. Adding a Third-Party SIP User on the Avaya CS1000

Myco users are configured as **3<sup>rd</sup> 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 Myco **4011**.

```
ld 20

PT0000
REQ: prt
TYPE: tn
TYPE TNB
TN 100 0 2 11
DATE
PAGE
DES
DES MYCO
TN 100 0 02 11
TYPE UEXT
CDEN 8D
CTYP XDLC
CUST 0
UXTY SIPL      (SIP Line)
MCCL YES
SIPN 0
SIP3 1          (Third Party SIP phones)
FMCL 0
TLSV 0
SIPU 4011      (Required for Ascom Myco Endpoint ID in Section 7)
NDID 111        (Node ID taken from Section 6)
SUPR NO
UXID
NUID
NHTN
CFG_ZONE 00001 (This is the Bandwidth Zone assigned for IP Sets)
CUR_ZONE 00001
MRT
ERL
```

```

ECL 0
VSIT NO
FDN 5999      (This is the voicemail number for Avaya Aura® Messaging)
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 1
SCI 0
SSU
XLST
SCPW 1234      (Required for Ascom Myco Password in Section 7)
SFLT NO
CAC_MFC 0
CLS UNR FBD WTA LPR PUA MTD FNA HTD TDD HFD CRPD
MWA 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 DNAA RDLA 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 FTTU DNDY DNO3 MCBN
FDSD NOVD VOLA VOUD CDMR PRED RECD MCDD T87D SBMD ELM
MSNV FRA PKCH MWTD DVLD CROD ELCD VMSACPND LANG ENG
(Requierd for Message Waiting Allowed, Pickup Allowed, Forward no answer allowed,
Trunk to Trunk transfer allowed. There may be other settings required depending
on the situation.)
HUNT
LHK 0
PLEV 02
PUID
UPWD
DANI NO
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
MLNG ENG
DNDR 0
KEY 00 SCR 4011
CPND
    CPND_LANG ROMAN
        NAME Myco
        XPLN 23
        DISPLAY_FMT FIRST, LAST
01 HOT U 274011      (The HOT U number is derived from the UAPR as
                           configured in the SLS_DATA in Section 5.2 plus the
                           Key 00 extension)
02 CWT                (Required for Call Waiting)
03

The other keys can be left as default, carriage return to the end.

```

## 5.4. Flexible Feature Codes

Feature Codes can be programmed on the Myco Smartphones for features such as Call Forward or Call Pickup, basically any feature that is available using the Flexible Feature Codes on the CS1000. Flexible Feature Codes can be set in overlay 57, type **LD 57** to enter this overlay as shown below; some of the codes set below include the following:

- Call Forward calls (**CFWA**) **\*1**
- Deactivate Call Forward (**CFWD**) **#1**
- Call Park (**CPRK**) **\*21**
- Answer Call Park (**CPAC**)**\*20**
- Hunt Group Pilot DN (**PLDN**) **3050**
- Hold **#4**
- Call Pickup (**PURN**) **\*25**

```
>ld 57
FFC000
MEM AVAIL: (U/P): 37456053      USED U P: 8460606 138762      TOT: 46055421
DISK SPACE NEEDED: 133 KBYTES
REQ  prt
TYPE ffc
CUST 0
CODE all

CUST 00
FFCT YES
ASRC
AUTH *99
CDRC
CFWA *1
CFWD #1
CFWV
COND
CPAC *20
CPRK *21
CSHF
ELKD
PLDN 3050
USE GPHT
LSNO 10
HTYP RRB
CFWI YES
MQUE ALL
GRPF
HOLD #4
PURN *25
```

## 5.5. Saving Avaya Communication Server 1000 Configuration

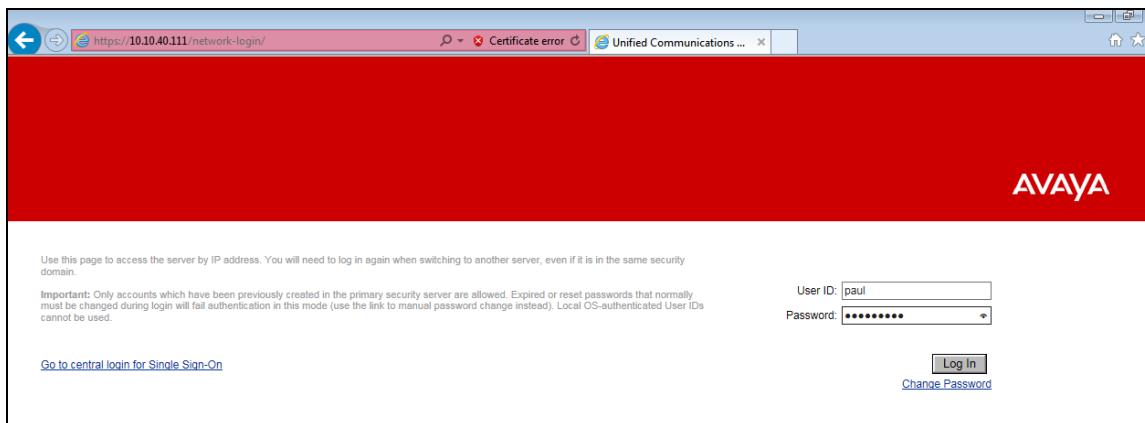
Type **LD 43** at the > prompt to save the newly configured SIP users. Upon entering overlay 43 type **edd** at the . prompt.

```
>ld 43
EDD000
.edd
```

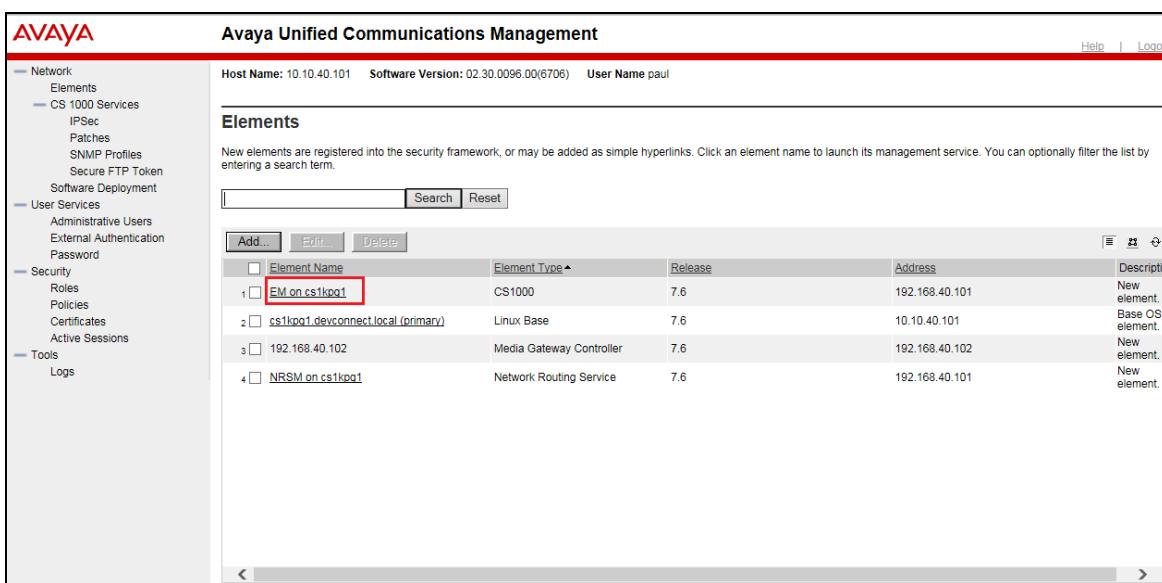
## 6. Configure Avaya Communication Server 1000 SIP Line Gateway

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 and the SIP Port number are obtained in order to complete the configuration in **Section 5.3** and **Section 7**. Note that the SIP Line Gateway is an application installed on the Avaya CS1000 Signalling Server. In this example, this Signalling Server is a co-resident installation with CS1000 Call Server.

Access to the CS1000 SIP Line Gateway requires access to the Avaya CS1000 Signalling Server (Signalling Server). This is achieved by logging into System Manager or Unified Communication Manager (UCM) using a Web Browser by entering **http://<IP Address>/**, which is the IP address of System Manager or UCM. During compliance testing UCM was used.



In order to access the CS1000 Element Manager open Unified Communication Manager (not shown) once opened the EM can be accessed as shown below.



Navigate to System → IP Network → Nodes Servers, 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.

The screenshot shows the CS1000 Element Manager interface. The left sidebar contains a navigation tree with categories like UCM Network Services, Home, Links, System, and IP Network. Under IP Network, the 'Nodes, Servers, Media Cards' option is selected and highlighted with a red box. The main window displays a table titled 'IP Telephone Nodes' with the following columns: Node ID, Components, Enabled Applications, ELAN IP, Node/TLAN IPv4, Node/TLAN IPv6, and Status. A single row is present with Node ID 111, Component 1, Enabled Applications SIP Line, LTPS, Gateway (SIPGw), ELAN IP -, Node/TLAN IPv4 10.10.40.111, Node/TLAN IPv6 -, and Status Synchronized. Below the table are checkboxes for Show: Nodes and Component servers and cards, and a checkbox for IPv6 address.

To check that the SIP Line Gateway is operational click on **SIP Line** in the main window highlighted below. Note the Node IP Address that will be required for the Ascom Myco setup in **Section 7**.

The screenshot shows the CS1000 Element Manager interface with the 'Node Details' page for Node ID 111. The left sidebar is identical to the previous screenshot. The main window has a title 'Node Details (ID: 111 - SIP Line, LTPS, Gateway (SIPGw))'. It contains several configuration fields: Node ID (111), Call server IP address (192.168.40.101), Embedded LAN (ELAN) settings (Gateway IP address 192.168.40.1, Subnet mask 255.255.255.0), and Telephony LAN (TLAN) settings (Node IPv4 address 10.10.40.111, Subnet mask 255.255.255.0). Below these are sections for 'IP Telephony Node Properties' (Voice Gateway (VGW) and Codecs, Quality of Service (QoS), LAN, SNTP, Numbering Zones, MCDN Alternative Routing Treatment (MALT), Causes) and 'Applications (click to edit configuration)' (SIP Line, Terminal Proxy Server (TPS), Gateway (SIPGw), Personal Directories (PD), Presence Publisher, IP Media Services). At the bottom are 'Save' and 'Cancel' buttons. A note at the bottom left indicates that the Node IPv4 address is required.

The **SIP Line Gateway Application** box should be checked as shown below and the information about the site entered into the **General** section is shown in the example below. Note the **SLG Local Sip port** is left at the default 5070 and this information as well as the **SIP domain name** will be required in **Section 7**. Click on **Save** if any changes were made.

**Note:** Ascom sets can be set to any listen port for SIP signaling, for testing the default **5070** for the CS1000 was chosen.

Managing: 192.168.40.101 Username: paul  
System » IP Network » IP Telephony Nodes » Node Details » SIP Line Configuration

**Node ID: 111 - SIP Line Configuration Details**

[General](#) | [SIP Line Gateway Settings](#) | [SIP Line Gateway Service](#)

**SIP Line Gateway Application**  Enable gateway service on this node

**General**

SIP domain name: <input type="text" value="devconnect.local"/>	Virtual Trunk Network Health Monitor
SLG endpoint name: <input type="text"/>	<input type="checkbox"/> Monitor IP addresses (listed below) Information will be captured for the IP addresses listed below.
SLG Group ID: <input type="text"/>	Monitor IP: <input type="text"/> Add
SLG Local Sip port: <input type="text" value="5070"/> (1 - 65535)	Monitor addresses:
SLG Local Tls port: <input type="text" value="5071"/> (1 - 65535)	<input type="button" value="Remove"/>

**SIP Line Gateway Settings**

Security policy: <input type="button" value="Security Disabled"/>
Number of byte re-negotiation: <input type="text" value="0"/>
Options: <input type="checkbox"/> Client authentication

\* Required Value. Note: Changes made on this page will NOT be transmitted until the Node is also saved.

If any changes were made in the screen above then **Save** will need to be clicked on below.

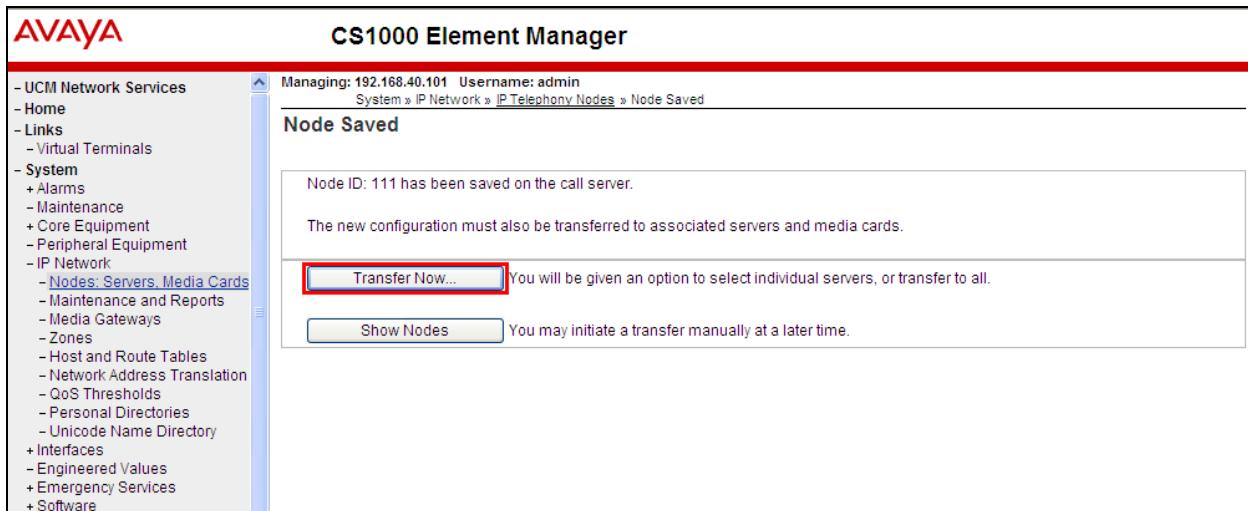
Managing: 192.168.40.101 Username: paul  
System » IP Network » IP Telephony Nodes » Node Details

**Node Details (ID: 111 - SIP Line, LTPS, Gateway ( SIPGw ))**

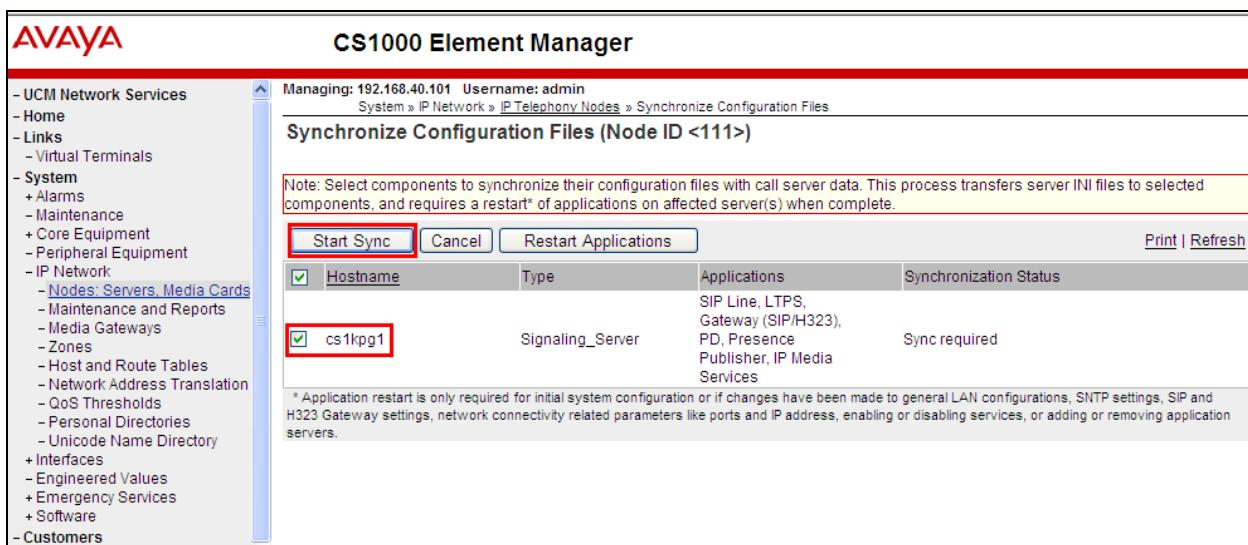
Node ID: <input type="text" value="111"/> * (0-9999)	TLAN address type: <input checked="" type="radio"/> IPv4 only <input type="radio"/> IPv4 and IPv6
Call server IP address: <input type="text" value="192.168.40.101"/> *	Node IPv4 address: <input type="text" value="10.10.40.111"/> *
Embedded LAN (ELAN)	Telephony LAN (TLAN)
Gateway IP address: <input type="text" value="192.168.40.1"/> *	Node IPv4 address: <input type="text" value="10.10.40.111"/> *
Subnet mask: <input type="text" value="255.255.255.0"/> *	Subnet mask: <input type="text" value="255.255.255.0"/> *
Node IPv6 address: <input type="text"/>	
<b>IP Telephony Node Properties</b>	
<ul style="list-style-type: none"> <li>• <a href="#">Voice Gateway (VGW) and Codecs</a></li> <li>• <a href="#">Quality of Service (QoS)</a></li> <li>• <a href="#">LAN</a></li> <li>• <a href="#">SNTP</a></li> <li>• <a href="#">Numbering Zones</a></li> <li>• <a href="#">MCDN Alternative Routing Treatment (MALT)</a></li> <li>• <a href="#">Causes</a></li> </ul>	
<b>Applications (click to edit configuration)</b>	
<ul style="list-style-type: none"> <li>• <a href="#">SIP Line</a></li> <li>• <a href="#">Terminal Proxy Server (TPS)</a></li> <li>• <a href="#">Gateway (SIPGw)</a></li> <li>• <a href="#">Personal Directories (PD)</a></li> <li>• <a href="#">Presence Publisher</a></li> <li>• <a href="#">IP Media Services</a></li> </ul>	

\* Required Value.

To save any changes that are made in Element Manager the following steps must be taken. After **Save** has been pressed above the following screen is shown where **Transfer Now** can be pressed.



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



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

Hostname	Type	Applications	Synchronization Status
cs1kpg1	Signaling_Server	SIP Line, LTPS, Gateway (SIP/H323), PD, Presence Publisher, IP Media Services	Sync in progress

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

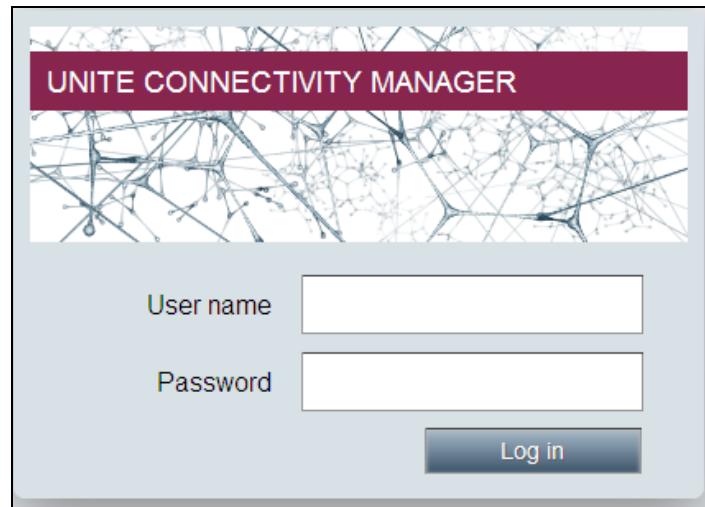
Hostname	Type	Applications	Synchronization Status
<input checked="" type="checkbox"/> cs1kpg1	Signaling_Server	SIP Line, LTPS, Gateway (SIP/H323), PD, Presence Publisher, IP Media Services	Sync required

## 7. Configure Ascom Wi-Fi Myco Smartphone

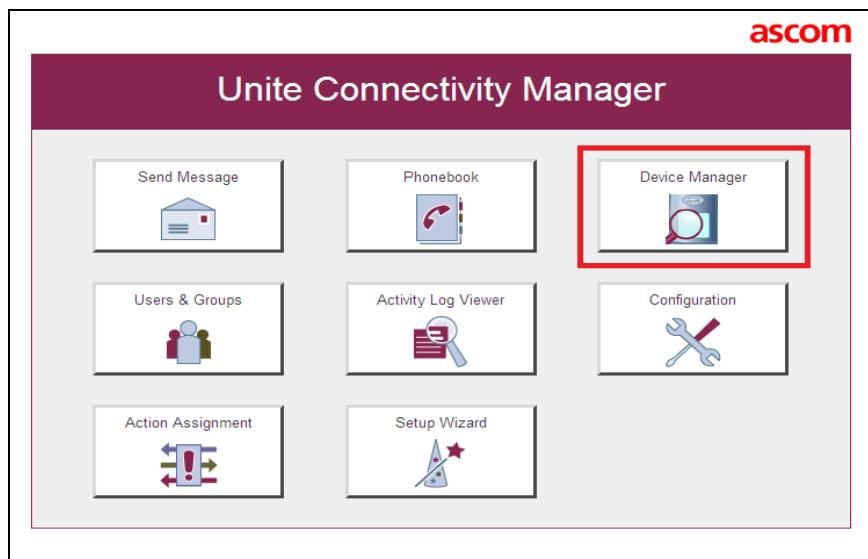
This section describes how to access and configure Myco via the Device Manager. It is implied that the Wi-Fi network has been configured and operational and the Ascom Unite Connectivity Manager box has an IP address assigned.

**Note:** The Wireless router configuration is outside the scope of these Application Notes.

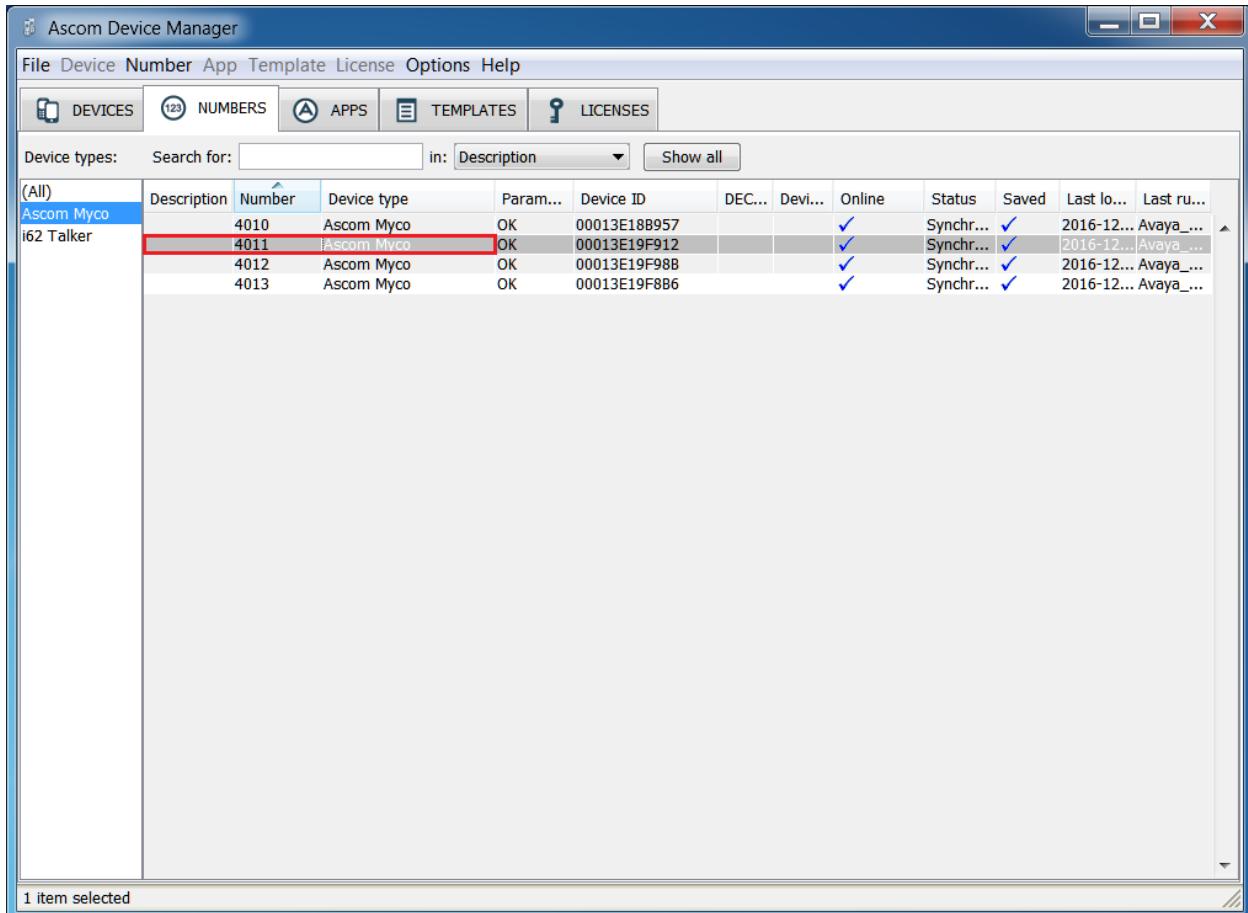
Access the Unite Connectivity Manager box by typing the URL, <http://<ip address>> in a web browser (not shown). Screen below shows the login screen. Enter the appropriate credentials in the **User name** and **Password** fields and click on **Log in**.



The main screen of **Unite Connectivity Manager** is seen as shown below. Click on the **Device Manager** application.



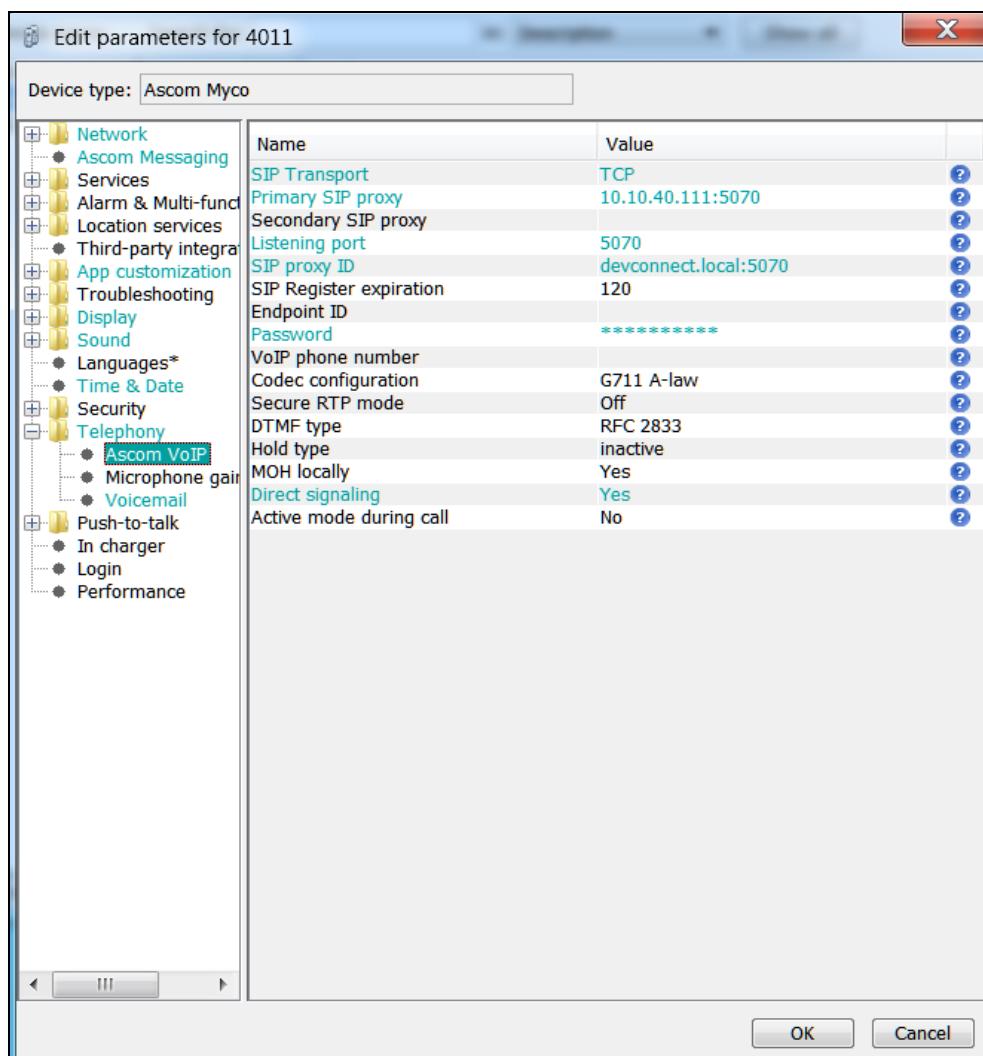
The **Ascom Device Manager** screen is seen as shown below. Within the **Numbers** tab all Myco devices are displayed. In the example below, a device with number **4011** is discovered along with other Myco extensions. Double click on 4011 number to make changes to this particular device.



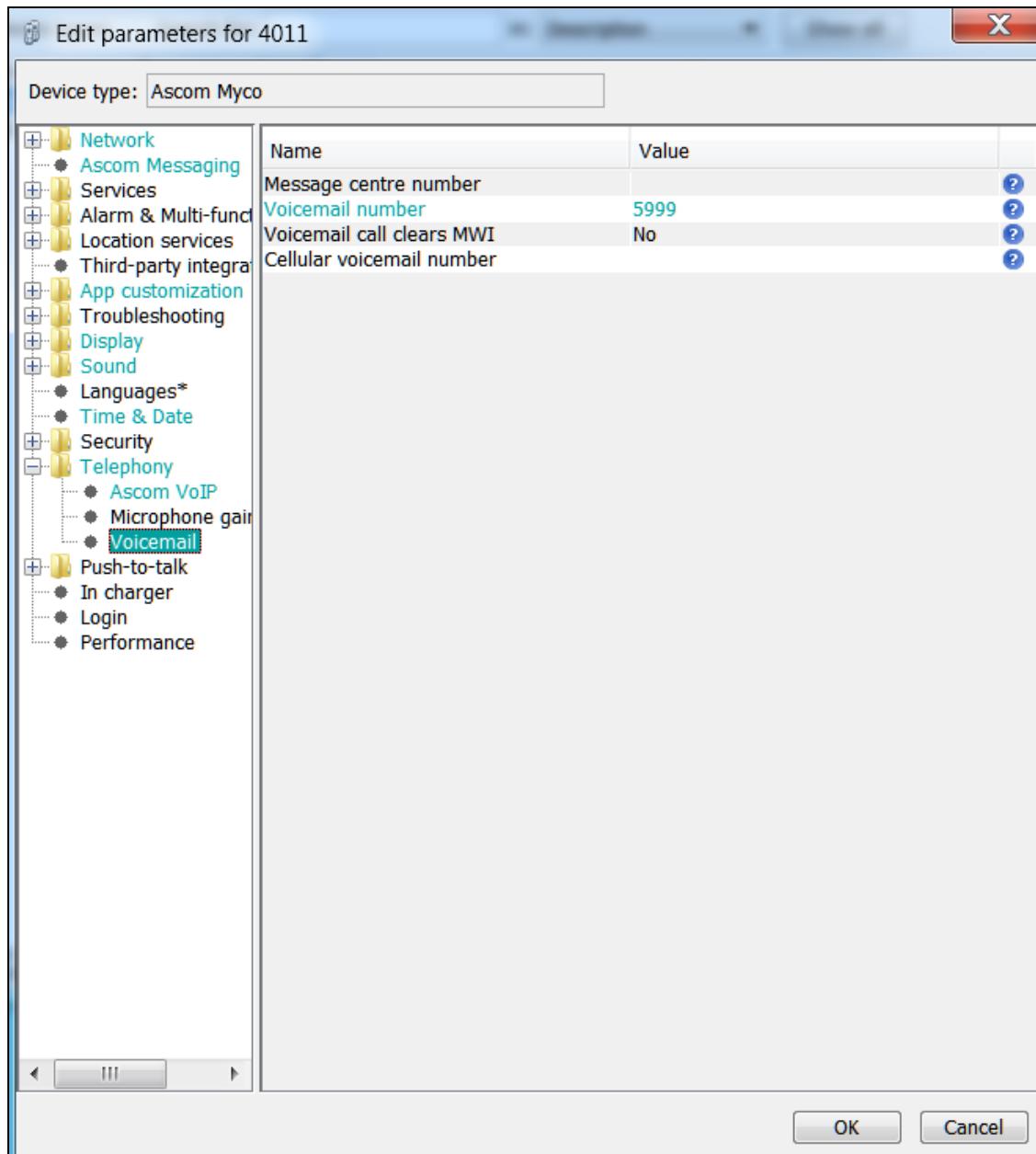
The **Edit parameters for 4011** screen is seen as shown below. Click on **Ascom VoIP** that is seen on the left hand side and configure the following values.

- **SIP Transport:** *TCP*
- **Primary SIP proxy:** *10.10.40.111:5070*; this is the node IP address of the SLG as configured in **Section 6**
- **Listening port:** *5070*; this is the Local Sip port configured on the SLG in **Section 6**
- **Endpoint ID:** *4011*; this is the directory number configured in the CS1000 in **Section 5.3**
- **Password:** As defined in **Section 5.3**
- **Codec configuration:** In this example *G711 A-law* is selected
- **Hold type :** This is set to *inactive*
- **Direct signaling:** *Yes*

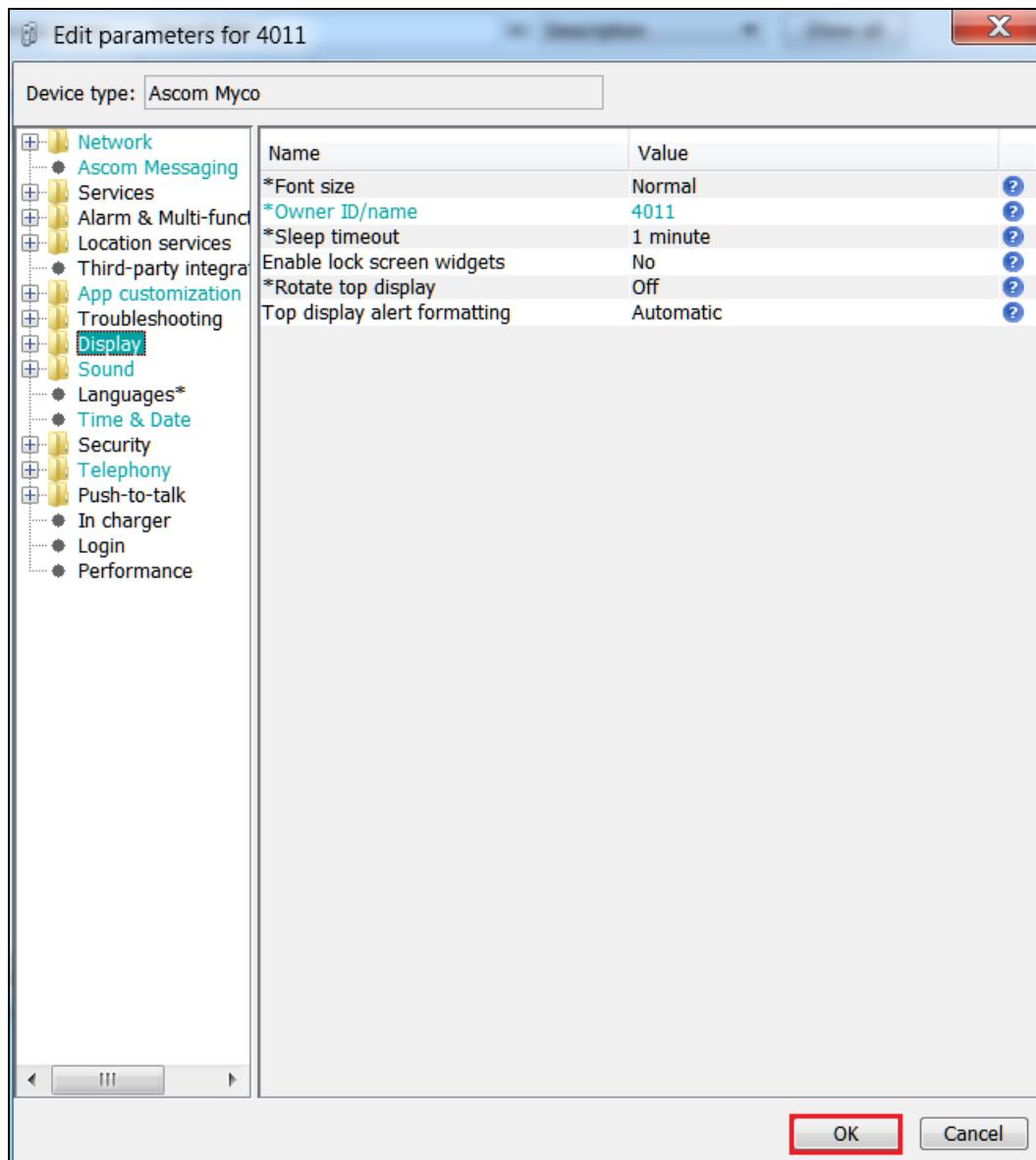
Retain default values for all other fields. Note that **MOH locally** set to *Yes* will provide Music on Hold (MOH) to the Ascom Myco handsets where the PBX has no MOH configured.



Under **Telephony** in the left window, select **Voicemail**. Because voicemail was setup on Avaya Aura® Messaging the Myco can be configured to call this number directly by pressing a button, this must be configured below as the **Voicemail number**. **5999** is the voicemail number to access messaging.



From the left window click on **Display** and configure the **Owner ID/name** field with the directory number configured, in this case *4011* as shown below. Retain default values for all other fields and click on **OK** to complete the configuration.



**Note:** Feature Codes can be programmed on the Myco Smartphones for features such as Call Forward or Call Pickup, basically any feature that is available using the Flexible Feature Codes on the CS1000 from **Section 5.4**. The setup of these “special buttons” will not be covered in these Application Notes but information on the configuration of the Ascom Myco smartphone can be found in **Section 10** of these Application Notes.

## 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 Myco handsets are working

Make a call to and from each Myco handset to a telephone on the CS1000, this will verify that the Myco handset is correctly registered and working as designed and outlined in these Application Notes. If the handset cannot make or receive a call the following, in **Section 8.2**, can be checked for further verification and troubleshooting.

### 8.2. Verify Ascom Myco is registered with Avaya CS1000

Screen below shows an example of a SIP phone 4011 in this case the Myco as configured in **Section 5.3** registered to the SIPL Gateway.

```
[admin@sip175 ~]$ slgSetShowByUID 4011

==== VTRK ====
UserID          AuthId      TN           Clients   Calls   SetHandle  Pos ID       SIPL Type
-----  -----  -----  -----  -----  -----  -----  -----
        4011        4011    100-00-02-11      1        0  0x8e78388
StatusFlags = Registered Controlled KeyMapDwld SSD
FeatureMask =
CallProcStatus = -1

Current Client = 0, Total Clients = 1

== Client 0 ==
IPv4:Port:Trans = 10.10.40.111:5070:tcp
Type            = Unknown
UserAgent       = (Ascom Myco/11r1 [11.0896])
x-nt-guid       = 7224ed7d7ee02a66a4ee0b8c1d601a34
RegDescrip     =
RegStatus       = 1
PbxReason      = OK
SipCode         = 200
hTransc         = (nil)
Expire          = 120
Nonce           = 5694984ac6929da8f6efb377c8fc5bd
NonceCount     = 2
hTimer          = 0x8df8ca8
TimeRemain     = 27
Stale           = 0
Outbound        = 0
ClientGUID     =
MSec CLS        = MSNV (MSEC-Never)
Contact         = sip:4011@devconnect.local:5070;transport=TCP
KeyNum          = 255
AutoAnswer      = NO

Key  Func  Lamp  Label
0    3      0      4011
1    126    0      274011
17   16     0
18   18     0
19   27     0

== Subscription Info ==
Subscription Event = None
Subscription Handle = (nil)
SubscribeFlag = 0
```

## 9. Conclusion

These Application Notes provided detail configurations of Avaya Communication Server 1000 R7.6 and the Ascom Wi-Fi Myco smartphones. All of the executed test cases have passed and met the objectives outlined in the **Section 2.1**, with observations and issues outlined in **Section 2.2**. The Ascom Wi-Fi Myco smartphones 6.4.0 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 CS1000 R7.6 NN43001-611, 05.02*
- [2] *SIP Line Fundamentals Avaya CS1000 R7.6 NN43001-508, 03.03*
- [3] *Co-resident Call Server and Signaling Server Fundamentals Avaya CS1000 R7.6 NN43001-509, 03.01*
- [4] *Administering Avaya Aura® Messaging Release 6.3.3 Issue 1*

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

# Appendix A

## Avaya CS1000 R7.6 - Linux Patches

Product Release: 7.65.16.00						
In system patches: 8						
PATCH#	NAME	IN_SERVICE	DATE	SPECINS	TYPE	RPM
42	p31484_1	Yes	07/03/16	NO	FRU	cs1000-shared-general-7.65.16-00.i386
43	p33125_1	Yes	07/03/16	NO	FRU	cs1000-OS-1.00.00.00-00.noarch
44	p33274_1	Yes	07/03/16	YES	FRU	initscripts-8.45.25-1.el5.i386
45	p33384_1	Yes	07/03/16	NO	FRU	cs1000-OS-1.00.00.00-00.noarch
46	p33456_1	Yes	07/03/16	YES	FRU	cs1000-OS-1.00.00.00-00.noarch
47	p33493_1	Yes	07/03/16	NO	FRU	cs1000-OS-1.00.00.00-00.noarch
48	p33554_1	Yes	07/03/16	YES	FRU	cs1000-OS-1.00.00.00-00.noarch
49	p33557_1	Yes	07/03/16	YES	FRU	cs1000-OS-1.00.00.00-00.noarch
In System service updates: 42						
PATCH#	IN_SERVICE	DATE	SPECINS	REMOVABLE	NAME	
0	Yes	06/03/16	YES	YES	cs1000-patchWeb-7.65.16.23-1.i386.000	
1	Yes	04/03/16	NO	YES	cs1000-Jboss-Quantum-7.65.16.23-5.i386.000	
2	Yes	07/03/16	NO	YES	cs1000-pd-7.65.16.21-00.i386.000	
3	Yes	04/03/16	YES	YES	cs1000-dmWeb-7.65.16.23-4.i386.000	
4	Yes	06/03/16	YES	YES	cs1000-linuxbase-7.65.16.23-21.i386.000	
5	Yes	07/03/16	NO	YES	cs1000-shared-carrdct-7.65.16.21-01.i386.000	
6	Yes	07/03/16	NO	YES	cs1000-shared-tpselect-7.65.16.21-01.i386.000	
7	Yes	07/03/16	NO	yes	cs1000-dbcom-7.65.16.21-00.i386.000	
8	Yes	07/03/16	NO	YES	cs1000-snmp-7.65.16.21-00.i686.000	
9	Yes	07/03/16	NO	YES	cs1000-shared-omm-7.65.16.21-2.i386.000	
10	Yes	07/03/16	YES	YES	cs1000-emWebLocal_6-0-7.65.16.22-1.i386.000	
11	Yes	07/03/16	YES	YES	cs1000-ipsec-7.65.16.22-1.i386.000	
12	Yes	07/03/16	YES	YES	cs1000-csmWeb-7.65.16.22-2.i386.000	
13	Yes	07/03/16	YES	YES	cs1000-csoneksvrmgr-7.65.16.22-5.i386.000	
14	Yes	07/03/16	YES	YES	cs1000-baseWeb-7.65.16.22-4.i386.000	
15	Yes	07/03/16	YES	YES	cs1000-oam-logging-7.65.16.22-4.i386.000	
16	Yes	07/03/16	YES	YES	cs1000-csv-7.65.16.22-2.i386.000	
17	Yes	07/03/16	YES	YES	cs1000-nrsm-7.65.16.22-3.i386.000	
18	Yes	07/03/16	YES	YES	cs1000-mscTone-7.65.16.22-2.i386.000	
19	Yes	07/03/16	YES	YES	cs1000-mscMusc-7.65.16.22-4.i386.000	
20	Yes	07/03/16	YES	YES	cs1000-mscConf-7.65.16.22-2.i386.000	
21	Yes	07/03/16	YES	YES	cs1000-mscAnnc-7.65.16.22-2.i386.000	
22	Yes	07/03/16	YES	YES	cs1000-mscAttn-7.65.16.22-2.i386.000	
23	Yes	07/03/16	NO	YES	cs1000-gk-7.65.16.22-1.i386.000	
24	Yes	07/03/16	YES	YES	cs1000-shared-xmsg-7.65.16.22-1.i386.000	
25	Yes	07/03/16	NO	YES	cs1000-sps-7.65.16.23-1.i386.000	
26	Yes	07/03/16	YES	YES	cs1000-cs-7.65.P.100-03.i386.000	
27	Yes	07/03/16	NO	YES	bash-3.2-33.el5_11.4.i386.000	
28	Yes	07/03/16	YES	YES	cs1000-shared-pbx-7.65.16.23-1.i386.000	
29	Yes	07/03/16	YES	YES	cs1000-emWeb_6-0-7.65.16.23-3.i386.000	
30	Yes	07/03/16	NO	YES	libxml2-2.6.26-2.1.25.el5_11.i386.000	
31	Yes	07/03/16	NO	YES	libxml2-python-2.6.26-2.1.25.el5_11.i386.000	
32	Yes	07/03/16	NO	YES	freetype-2.2.1-32.el5_9.1.i386.000	
33	Yes	07/03/16	NO	YES	cs1000-cs1000WebService_6-0-7.65.16.23-1.i386.000	
34	Yes	07/03/16	YES	YES	cs1000-ftrpkg-7.65.16.23-1.i386.000	
35	Yes	07/03/16	NO	YES	cs1000-cppmUtil-7.65.16.23-4.i686.000	
36	Yes	07/03/16	NO	YES	tzdata-2015a-1.el5.i386.000	
37	Yes	07/03/16	YES	YES	cs1000-tps-7.65.16.23-15.i386.000	
38	Yes	07/03/16	YES	YES	kernel-2.6.18-406.el5.i686.000	
39	Yes	07/03/16	YES	YES	jdk-1.6.0_101-fcs.i586.000	
40	Yes	07/03/16	YES	YES	cs1000-vtrk-7.65.16.23-76.i386.000	
41	Yes	07/03/16	YES	YES	cs1000-bcc-7.65.16.23-10.i386.000	

## Avaya CS1000 R7.6 - Call Server Patches

IN-SERVICE PEPS						
PAT#	CR #	PATCH REF #	NAME	DATE	FILENAME	SPECINS
0000	wi01199336	ISS1:1OF1	p33410_1	20/12/2016	p33410_1.cpl	NO
0001	wi01088055	ISS1:1OF1	p32607_1	20/12/2016	p32607_1.cpl	NO
0002	wi01098433	ISS1:1OF1	p32736_1	20/12/2016	p32736_1.cpl	NO
0003	wi01199608	ISS1:1OF1	p33414_1	20/12/2016	p33414_1.cpl	NO
0004	wi01146254	ISS1:1OF1	p33127_1	20/12/2016	p33127_1.cpl	NO
0005	wi01075149	ISS1:1OF1	p32475_1	20/12/2016	p32475_1.cpl	NO
0006	wi01070585	ISS1:1OF1	p32383_1	20/12/2016	p32383_1.cpl	NO
0007	wi01128512	ISS1:1OF1	p32997_1	20/12/2016	p32997_1.cpl	NO
0008	wi01098783	ISS1:1OF1	p32748_1	20/12/2016	p32748_1.cpl	NO
0009	wi01133960	ISS1:1OF1	p33034_1	20/12/2016	p33034_1.cpl	NO
0010	wi01137694	ISS1:1OF1	p33081_1	20/12/2016	p33081_1.cpl	NO
0011	wi01068011	ISS1:1OF1	p33182_1	20/12/2016	p33182_1.cpl	NO
0012	wi01153896	ISS1:1OF1	p33185_1	20/12/2016	p33185_1.cpl	NO
0013	wi01115369	ISS1:1OF1	p32889_1	20/12/2016	p32889_1.cpl	NO
0014	wi01171418	ISS1:1OF1	p33278_1	20/12/2016	p33278_1.cpl	NO
0015	CS1000-7113	ISS1:1OF1	p33623_1	20/12/2016	p33623_1.cpl	NO
0016	wi01201882	ISS1:1OF1	p33427_1	20/12/2016	p33427_1.cpl	NO
0017	wi01079444	ISS1:1OF1	p32564_1	20/12/2016	p32564_1.cpl	NO
0018	wi01089519	ISS1:1OF1	p32665_1	20/12/2016	p32665_1.cpl	NO
0019	wi01065248	ISS1:1OF1	p32412_1	20/12/2016	p32412_1.cpl	NO
0020	wi01052968	ISS1:1OF1	p32540_1	20/12/2016	p32540_1.cpl	NO
0021	wi01144609	ISS1:1OF1	p33119_1	20/12/2016	p33119_1.cpl	NO
0022	wi01132244	ISS1:1OF1	p33041_1	20/12/2016	p33041_1.cpl	NO
0023	wi01045058	ISS1:1OF1	p32214_1	20/12/2016	p32214_1.cpl	NO
0024	wi01053920	ISS1:1OF1	p32303_1	20/12/2016	p32303_1.cpl	NO
0025	wi01169714	ISS1:1OF1	p33335_1	20/12/2016	p33335_1.cpl	NO
0026	wi01151870	ISS1:1OF1	p33162_1	20/12/2016	p33162_1.cpl	YES
0027	wi01099300	iss1:1of1	p32704_1	20/12/2016	p32704_1.cpl	NO
0028	wi01171467	ISS1:1OF1	p33270_1	20/12/2016	p33270_1.cpl	NO
0029	wi01207693	ISS1:1OF1	p33452_1	20/12/2016	p33452_1.cpl	NO
0030	wi01120705	ISS1:1OF1	p32930_1	20/12/2016	p32930_1.cpl	NO
0031	wi00959458	ISS1:1OF1	p31551_1	20/12/2016	p31551_1.cpl	NO
0032	wi01197054	ISS1:1OF1	p33397_1	20/12/2016	p33397_1.cpl	NO
0033	wi01065118	ISS1:1OF1	p32397_1	20/12/2016	p32397_1.cpl	NO
0034	wi01181174	ISS1:1OF1	p33316_1	20/12/2016	p33316_1.cpl	NO
0035	wi01053597	ISS1:1OF1	p32304_1	20/12/2016	p32304_1.cpl	NO
0036	wi01071996	ISS1:1OF1	p32461_1	20/12/2016	p32461_1.cpl	NO
0037	wi01127527	ISS1:1OF1	p32988_1	20/12/2016	p32988_1.cpl	YES
0038	wi01008182	ISS1:1OF1	p33277_1	20/12/2016	p33277_1.cpl	NO
0039	wi01096842	ISS1:1OF1	p32731_1	20/12/2016	p32731_1.cpl	NO
0040	wi01068922	ISS1:1OF1	p32454_1	20/12/2016	p32454_1.cpl	NO
0041	wi01182880	ISS1:1OF1	p33328_1	20/12/2016	p33328_1.cpl	NO
0042	wi01138136	ISS1:1OF1	p33191_1	20/12/2016	p33191_1.cpl	NO
0043	CS1000-6738	ISS1:1OF1	p33495_1	20/12/2016	p33495_1.cpl	NO
0044	wi01156086	ISS1:1OF1	p33269_1	20/12/2016	p33269_1.cpl	NO
0045	wi01045144	ISS1:1OF1	p33202_1	20/12/2016	p33202_1.cpl	NO
0046	wi01120458	ISS1:1OF1	p32929_1	20/12/2016	p32929_1.cpl	NO
0047	wi01078721	ISS1:1OF1	p32553_1	20/12/2016	p32553_1.cpl	NO
0048	CS1000-7208	ISS1:1OF1	p33648_1	20/12/2016	p33648_1.cpl	NO
0049	wi01059388	iss1:1of1	p32628_1	20/12/2016	p32628_1.cpl	NO
0050	wi01065922	ISS1:1OF1	p32516_1	20/12/2016	p32516_1.cpl	NO
0051	wi01205975	ISS1:1OF1	p33447_1	20/12/2016	p33447_1.cpl	NO

0052	wi01142100	ISS1:1OF1	p33090_1	20/12/2016	p33090_1.cpl	NO
0053	wi01153039	ISS1:1OF1	p17588_1	20/12/2016	p17588_1.cpl	NO
0054	WI01077073	ISS1:1OF1	p32534_1	20/12/2016	p32534_1.cpl	NO
0055	wi01215810	ISS1:1OF1	p33494_1	20/12/2016	p33494_1.cpl	NO
0056	wi01066991	ISS1:1OF1	p32449_1	20/12/2016	p32449_1.cpl	NO
0057	wi01106658	ISS1:1OF1	p32812_1	20/12/2016	p32812_1.cpl	NO
0058	wi01068851	ISS1:1OF1	p32439_1	20/12/2016	p32439_1.cpl	NO
0059	wi01053314	ISS1:1OF1	p32555_1	20/12/2016	p32555_1.cpl	NO
0060	wi01123389	ISS1:1OF1	p33045_1	20/12/2016	p33045_1.cpl	NO
0061	CS1000-7174	ISS1:1OF1	p33655_1	20/12/2016	p33655_1.cpl	NO
0062	wi01165881	ISS1:1OF1	p33239_1	20/12/2016	p33239_1.cpl	NO
0063	wi01065125	ISS1:1OF1	p32416_1	20/12/2016	p32416_1.cpl	NO
0064	wi01119086	ISS1:1OF1	p32917_1	20/12/2016	p32917_1.cpl	NO
0065	wi01109251	ISS1:1OF1	p32827_1	20/12/2016	p32827_1.cpl	NO
0066	wi01173768	ISS1:1OF1	p33288_1	20/12/2016	p33288_1.cpl	NO
0067	wi01180594	ISS1:1OF1	p33312_1	20/12/2016	p33312_1.cpl	NO
0068	wi01126552	ISS1:1OF1	p32975_1	20/12/2016	p32975_1.cpl	NO
0069	CS1000-7171	ISS1:1OF1	p33626_1	20/12/2016	p33626_1.cpl	NO
0070	wi01204623	ISS1:1OF1	p33444_1	20/12/2016	p33444_1.cpl	NO
0071	wi01099724	ISS1:1OF1	p32742_1	20/12/2016	p32742_1.cpl	YES
0072	wi01118819	ISS1:1OF1	p32954_1	20/12/2016	p32954_1.cpl	NO
0073	wi01094305	ISS1:1OF1	p32640_1	20/12/2016	p32640_1.cpl	NO
0074	wi01188722	ISS1:1OF1	p33365_1	20/12/2016	p33365_1.cpl	NO
0075	wi01134602	ISS1:1OF1	p32398_1	20/12/2016	p32398_1.cpl	NO
0076	wi01101876	ISS1:1OF1	p32858_1	20/12/2016	p32858_1.cpl	NO
0077	wi01142792	ISS1:1OF1	p33099_1	20/12/2016	p33099_1.cpl	NO
0078	CS1000-7276	ISS1:1OF1	p33675_1	20/12/2016	p33675_1.cpl	YES
0079	CS1000-6789	ISS1:1OF1	p33508_1	20/12/2016	p33508_1.cpl	NO
0080	wi01164281	ISS1:1OF1	p33232_1	20/12/2016	p33232_1.cpl	NO
0081	wi01133985	ISS1:1OF1	p33049_1	20/12/2016	p33049_1.cpl	NO
0082	wi01149017	ISS1:1OF1	p33145_1	20/12/2016	p33145_1.cpl	NO
0083	wi01186846	ISS1:1OF1	p33332_1	20/12/2016	p33332_1.cpl	NO
0084	wi01188972	ISS1:1OF1	p33352_1	20/12/2016	p33352_1.cpl	NO
0085	cs1000-7217	ISS1:1OF1	p33643_1	20/12/2016	p33643_1.cpl	NO
0086	CS1000-7255	ISS1:1OF1	p33663_1	20/12/2016	p33663_1.cpl	YES
0087	wi01111194	ISS1:1OF1	p32821_1	20/12/2016	p32821_1.cpl	NO
0088	wi01189247	ISS1:1OF1	p33382_1	20/12/2016	p33382_1.cpl	YES
0089	wi01099606	iss1:1of1	p32713_1	20/12/2016	p32713_1.cpl	NO
0090	wi01088775	ISS1:1OF1	p32659_1	20/12/2016	p32659_1.cpl	NO
0091	wi01148697	ISS1:1OF1	p33187_1	20/12/2016	p33187_1.cpl	NO
0092	wi01130348	ISS1:1OF1	p33014_1	20/12/2016	p33014_1.cpl	NO
0093	CS1000-6844	ISS1:1OF1	p33507_1	20/12/2016	p33507_1.cpl	NO
0094	wi01134756	ISS1:1OF1	p33453_1	20/12/2016	p33453_1.cpl	NO
0095	wi01184588	ISS1:1OF1	p33338_1	20/12/2016	p33338_1.cpl	NO
0096	wi01147091	ISS1:1OF1	p33137_1	20/12/2016	p33137_1.cpl	NO
0097	CS1000-7286	ISS1:1OF1	p33686_1	20/12/2016	p33686_1.cpl	NO
0098	wi01087543	ISS1:1OF1	p32662_1	20/12/2016	p32662_1.cpl	NO
0099	wi01166011	ISS1:1OF1	p33235_1	20/12/2016	p33235_1.cpl	NO
0100	wi01035976	ISS1:1OF1	p32173_1	20/12/2016	p32173_1.cpl	NO
0101	wi01146804	ISS1:1OF1	p33132_1	20/12/2016	p33132_1.cpl	NO
0102	wi01153104	ISS1:1OF1	p33174_1	20/12/2016	p33174_1.cpl	NO
0103	wi01092443	ISS1:1OF1	p32676_1	20/12/2016	p32676_1.cpl	NO
0104	CS1000-6740	ISS1:1OF1	p33622_1	20/12/2016	p33622_1.cpl	NO
0105	wi01113712	ISS1:1OF1	p32877_1	20/12/2016	p32877_1.cpl	NO
0106	wi01150846	ISS1:1OF1	p33157_1	20/12/2016	p33157_1.cpl	NO
0107	CS1000-7052	ISS1:1OF1	p33573_1	20/12/2016	p33573_1.cpl	NO
0108	wi01153844	ISS1:1OF1	p33172_1	20/12/2016	p33172_1.cpl	NO
0109	wi01093071	ISS1:1OF1	p32701_1	20/12/2016	p32701_1.cpl	NO
0110	CS1000-7151	ISS1:1OF1	p33617_1	20/12/2016	p33617_1.cpl	NO
0111	wi01190506	ISS1:1OF1	p33361_1	20/12/2016	p33361_1.cpl	NO
0112	wi01118714	ISS2:1OF1	p32952_2	20/12/2016	p32952_2.cpl	NO
0113	wi01075538	ISS1:1OF1	p32469_1	20/12/2016	p32469_1.cpl	NO

0114	wi01091447	ISS1:1OF1	p32675_1	20/12/2016	p32675_1.cpl	NO
0115	wi01159931	ISS1:1OF1	p33231_1	20/12/2016	p33231_1.cpl	YES
0116	WI01108562	ISS1:1OF1	p32832_1	20/12/2016	p32832_1.cpl	NO
0117	wi01099810	ISS1:1OF1	p32796_1	20/12/2016	p32796_1.cpl	NO
0118	CS1000-7003	ISS1:1OF1	p33561_1	20/12/2016	p33561_1.cpl	NO
0119	wi01128596	ISS1:1OF1	p33000_1	20/12/2016	p33000_1.cpl	NO
0120	wi01185642	ISS1:1OF1	p33342_1	20/12/2016	p33342_1.cpl	NO
0121	wi01193201	ISS1:1OF1	p33381_1	20/12/2016	p33381_1.cpl	YES
0122	cs1000-6998	ISS1:1OF1	p33555_1	20/12/2016	p33555_1.cpl	NO
0123	CS1000-6791	ISS1:1OF1	p33501_1	20/12/2016	p33501_1.cpl	YES
0124	wi01191767	ISS1:1OF1	p33368_1	20/12/2016	p33368_1.cpl	NO
0125	wi01144354	ISS1:1OF1	p33117_1	20/12/2016	p33117_1.cpl	NO
0126	wi01121374	ISS1:1OF1	p31107_1	20/12/2016	p31107_1.cpl	NO
0127	wi01185751	ISS1:1OF1	p33409_1	20/12/2016	p33409_1.cpl	YES
0128	WI01169289	ISS1:1OF1	p33257_1	20/12/2016	p33257_1.cpl	NO
0129	wi01100508	ISS1:1OF1	p32761_1	20/12/2016	p32761_1.cpl	NO
0130	wi01189516	ISS1:1OF1	p33373_1	20/12/2016	p33373_1.cpl	NO
0131	wi01101969	ISS1:1OF1	p32726_1	20/12/2016	p32726_1.cpl	NO
0132	wi01102296	ISS1:1OF1	p32780_1	20/12/2016	p32780_1.cpl	NO
0133	cs1000-7162	ISS1:1OF1	p33625_1	20/12/2016	p33625_1.cpl	NO
0134	wi01097598	ISS1:1OF1	p32797_1	20/12/2016	p32797_1.cpl	NO
0135	wi01132215	ISS1:1OF1	p33084_1	20/12/2016	p33084_1.cpl	NO
0136	wi01094832	iss1:1of1	p32718_1	20/12/2016	p32718_1.cpl	NO
0137	wi01197246	ISS1:1OF1	p33400_1	20/12/2016	p33400_1.cpl	NO
0138	CS1000-6872	ISS1:1OF1	p33520_1	20/12/2016	p33520_1.cpl	NO
0139	wi01147983	ISS1:1OF1	p33141_1	20/12/2016	p33141_1.cpl	NO
0140	wi01060826	ISS1:1OF1	p32379_1	20/12/2016	p32379_1.cpl	NO
0141	wi01077639	ISS1:1OF1	p32883_1	20/12/2016	p32883_1.cpl	NO
0142	wi01085855	ISS1:1OF1	p32658_1	20/12/2016	p32658_1.cpl	NO
0143	wi01053195	ISS1:1OF1	p32297_1	20/12/2016	p32297_1.cpl	NO
0144	wi01174116	ISS1:1OF1	p33287_1	20/12/2016	p33287_1.cpl	NO
0145	wi01095255	ISS1:1OF1	p33027_1	20/12/2016	p33027_1.cpl	NO
0146	wi01203516	ISS1:1OF1	p33438_1	20/12/2016	p33438_1.cpl	NO
0147	wi01094727	ISS1:1OF1	p32848_1	20/12/2016	p32848_1.cpl	NO
0148	wi01151898	ISS1:1OF1	p33175_1	20/12/2016	p33175_1.cpl	NO
0149	CS1000-7103	ISS1:1OF1	p33596_1	20/12/2016	p33596_1.cpl	NO
0150	wi01080753	ISS1:1OF1	p32518_1	20/12/2016	p32518_1.cpl	NO
0151	wi01125238	ISS1:1OF1	p32971_1	20/12/2016	p32971_1.cpl	NO
0152	wi01110593	ISS1:1OF1	p32849_1	20/12/2016	p32849_1.cpl	NO
0153	wi01119100	ISS1:1OF1	p32925_1	20/12/2016	p32925_1.cpl	NO
0154	CS1000-6978	ISS1:1OF1	p33551_1	20/12/2016	p33551_1.cpl	YES
0155	wi01156999	ISS1:1OF1	p33180_1	20/12/2016	p33180_1.cpl	NO
0156	wi01141625	ISS1:1OF1	p33324_1	20/12/2016	p33324_1.cpl	NO
0157	wi01102093	ISS1:1OF1	p32760_1	20/12/2016	p32760_1.cpl	NO
0158	wi01132883	ISS1:1OF1	p33030_1	20/12/2016	p33030_1.cpl	NO
0159	wi01070279	ISS1:1OF1	p32262_1	20/12/2016	p32262_1.cpl	NO
0160	wi01102475	ISS1:1OF1	p32782_1	20/12/2016	p32782_1.cpl	YES
0161	cs1000-6924	ISS1:1OF1	p33523_1	20/12/2016	p33523_1.cpl	NO
0162	wi01181423	ISS1:1OF1	p33318_1	20/12/2016	p33318_1.cpl	NO
0163	wi01150083	ISS1:1OF1	p33152_1	20/12/2016	p33152_1.cpl	NO
0164	wi01181854	ISS1:1OF1	p33323_1	20/12/2016	p33323_1.cpl	NO
0165	wi00897254	ISS1:1OF1	p31127_1	20/12/2016	p31127_1.cpl	NO
0166	wi01083036	ISS1:1OF1	p32571_1	20/12/2016	p32571_1.cpl	NO
0167	wi01070468	iss1:1of1	p32418_1	20/12/2016	p32418_1.cpl	NO
0168	wi01181197	ISS1:1OF1	p33317_1	20/12/2016	p33317_1.cpl	NO
0169	wi01063864	ISS1:1OF1	p32410_1	20/12/2016	p32410_1.cpl	YES
0170	wi01075355	ISS1:1OF1	p32594_1	20/12/2016	p32594_1.cpl	NO
0171	wi01127447	ISS1:1OF1	p32990_1	20/12/2016	p32990_1.cpl	NO
0172	wi01133106	ISS1:1OF1	p33032_1	20/12/2016	p33032_1.cpl	NO
0173	wi01212017	ISS1:1OF1	p33482_1	20/12/2016	p33482_1.cpl	YES
0174	wi01099292	ISS1:1OF1	p32886_1	20/12/2016	p32886_1.cpl	NO
0175	wi01167427	ISS1:1OF1	p33264_1	20/12/2016	p33264_1.cpl	NO

0176	wi01075540	ISS1:1OF1	p32492_1	20/12/2016	p32492_1.cpl	NO
0177	wi01072027	ISS1:1OF1	p32689_1	20/12/2016	p32689_1.cpl	NO
0178	wi01114038	ISS1:1OF1	p32869_1	20/12/2016	p32869_1.cpl	NO
0179	CS1000-6933	ISS1:1OF1	p33529_1	20/12/2016	p33529_1.cpl	NO
0180	wi01212527	ISS1:1OF1	p33481_1	20/12/2016	p33481_1.cpl	YES
0181	wi01181578	ISS1:1OF1	p33321_1	20/12/2016	p33321_1.cpl	NO
0182	CS1000-7106	ISS1:1OF1	p33598_1	20/12/2016	p33598_1.cpl	NO
0183	wi01063263	ISS1:1OF1	p32573_1	20/12/2016	p32573_1.cpl	NO
0184	wi01102091	ISS1:1OF1	p32744_1	20/12/2016	p32744_1.cpl	YES
0185	wi01104473	ISS1:1OF1	p32818_1	20/12/2016	p32818_1.cpl	NO
0186	wi01053950	ISS1:1OF1	p32654_1	20/12/2016	p32654_1.cpl	YES
0187	wi01139981	ISS1:1OF1	p33083_1	20/12/2016	p33083_1.cpl	NO
0188	wi01058378	ISS1:1OF1	p32344_1	20/12/2016	p32344_1.cpl	NO
0189	wi01070580	ISS1:1OF1	p32380_1	20/12/2016	p32380_1.cpl	NO
0190	wi01187059	ISS1:1OF1	p33346_1	20/12/2016	p33346_1.cpl	NO
0191	wi01043367	ISS1:1OF1	p32232_1	20/12/2016	p32232_1.cpl	NO
0192	wi01145002	ISS1:1OF1	p33186_1	20/12/2016	p33186_1.cpl	NO
0193	wi01175294	ISS1:1OF1	p33290_1	20/12/2016	p33290_1.cpl	NO
0194	wi01041453	ISS1:1OF1	p32587_1	20/12/2016	p32587_1.cpl	NO
0195	wi01185441	ISS1:1OF1	p33341_1	20/12/2016	p33341_1.cpl	NO
0196	wi01130815	ISS1:1OF1	p33017_1	20/12/2016	p33017_1.cpl	NO
0197	wi01214452	ISS1:1OF1	p33488_1	20/12/2016	p33488_1.cpl	NO
0198	wi01089807	ISS1:1OF1	p32957_1	20/12/2016	p32957_1.cpl	NO
0199	CS1000-7023	ISS1:1OF1	p33526_1	20/12/2016	p33526_1.cpl	NO
0200	wi01149384	ISS1:1OF1	p33147_1	20/12/2016	p33147_1.cpl	NO
0201	WI01121737	ISS1:1OF1	p32939_1	20/12/2016	p32939_1.cpl	NO
0202	CS1000-6794	ISS1:1OF1	p33539_1	20/12/2016	p33539_1.cpl	NO
0203	wi01208580	ISS1:1OF1	p33461_1	20/12/2016	p33461_1.cpl	NO
0204	wi01083896	ISS1:1OF1	p32937_1	20/12/2016	p32937_1.cpl	NO
0205	wi01210497	ISS1:1OF1	p33468_1	20/12/2016	p33468_1.cpl	YES
0206	wi01178476	ISS1:1OF1	p33305_1	20/12/2016	p33305_1.cpl	NO
0207	wi01039280	ISS1:1OF1	p32423_1	20/12/2016	p32423_1.cpl	NO
0208	wi01081510	ISS1:1OF1	p32582_1	20/12/2016	p32582_1.cpl	NO
0209	wi01088797	ISS1:1OF1	p32844_1	20/12/2016	p32844_1.cpl	NO
0210	wi01098905	ISS1:1OF1	p32556_1	20/12/2016	p32556_1.cpl	NO
0211	wi01146766	ISS1:1OF1	p33131_1	20/12/2016	p33131_1.cpl	NO
0212	wi00937672	ISS1:1OF1	p31276_1	20/12/2016	p31276_1.cpl	NO
0213	wi01170583	ISS1:1OF1	p33261_1	20/12/2016	p33261_1.cpl	NO
0214	wi01057403	ISS1:1OF1	p32591_1	20/12/2016	p32591_1.cpl	NO
0215	wi01132204	ISS1:1OF1	p32501_1	20/12/2016	p32501_1.cpl	NO
0216	wi01112655	ISS1:1OF1	p32870_1	20/12/2016	p32870_1.cpl	NO
0217	CS1000-7137	ISS1:1OF1	p33629_1	20/12/2016	p33629_1.cpl	NO
0218	wi01201045	ISS1:1OF1	p33424_1	20/12/2016	p33424_1.cpl	YES
0219	CS1000-7248	ISS1:1OF1	p32811_1	20/12/2016	p32811_1.cpl	NO
0220	wi01185138	ISS1:1OF1	p33411_1	20/12/2016	p33411_1.cpl	NO
0221	wi01025156	ISS1:1OF1	p32136_1	20/12/2016	p32136_1.cpl	NO
0222	wi01127138	ISS1:1OF1	p33304_1	20/12/2016	p33304_1.cpl	NO
0223	wi01070756	ISS1:1OF1	p32444_1	20/12/2016	p32444_1.cpl	NO
0224	wi01132599	ISS1:1OF1	p33025_1	20/12/2016	p33025_1.cpl	NO
0225	wi01056633	ISS1:1OF1	p32322_1	20/12/2016	p32322_1.cpl	NO
0226	wi01060241	ISS1:1OF1	p32381_1	20/12/2016	p32381_1.cpl	NO
0227	wi01134952	ISS1:1OF1	p33039_1	20/12/2016	p33039_1.cpl	NO
0228	wi01132902	ISS1:1OF1	p33028_1	20/12/2016	p33028_1.cpl	NO
0229	wi01201986	ISS1:1OF1	p33433_1	20/12/2016	p33433_1.cpl	NO
0230	wi01071379	ISS1:1OF1	p32522_1	20/12/2016	p32522_1.cpl	NO
0231	cs1000-6845	ISS1:1OF1	p33509_1	20/12/2016	p33509_1.cpl	NO
0232	wi01069441	ISS1:1OF1	p32097_1	20/12/2016	p32097_1.cpl	NO
0233	WI11032038	ISS1:1OF1	p33022_1	20/12/2016	p33022_1.cpl	NO
0234	CS1000-7152	ISS1:1OF1	p33668_1	20/12/2016	p33668_1.cpl	YES
0235	wi01134354	ISS1:1OF1	p33031_1	20/12/2016	p33031_1.cpl	NO
0236	CS1000-6946	ISS1:1OF1	p33543_1	20/12/2016	p33543_1.cpl	NO
0237	wi01096910	ISS1:1OF1	p32734_1	20/12/2016	p32734_1.cpl	NO

0238	wi01076948	ISS1:1OF1	p32526_1	20/12/2016	p32526_1.cpl	YES
0239	wi01093118	ISS1:1OF1	p32496_1	20/12/2016	p32496_1.cpl	NO
0240	wi01202917	ISS1:1OF1	p33434_1	20/12/2016	p33434_1.cpl	NO
0241	wi01198794	ISS1:1OF1	p33408_1	20/12/2016	p33408_1.cpl	NO
0242	wi01160967	ISS1:1OF1	p33213_1	20/12/2016	p33213_1.cpl	NO
0243	wi01104867	ISS1:1OF1	p32828_1	20/12/2016	p32828_1.cpl	NO
0244	wi01154485	ISS1:1OF1	p33194_1	20/12/2016	p33194_1.cpl	NO
0245	wi01146705	ISS1:1OF1	p33129_1	20/12/2016	p33129_1.cpl	NO
0246	wi01096712	ISS1:1OF1	p32708_1	20/12/2016	p32708_1.cpl	NO
0247	wi01061481	ISS1:1OF1	p32382_1	20/12/2016	p32382_1.cpl	NO
0248	wi01070465	iss1:1of1	p32562_1	20/12/2016	p32562_1.cpl	NO
0249	CS1000-7301	ISS1:1OF1	p33691_1	20/12/2016	p33691_1.cpl	NO
0250	wi01187443	ISS1:1OF1	p33359_1	20/12/2016	p33359_1.cpl	NO
0251	wi01034307	ISS1:1OF1	p32615_1	20/12/2016	p32615_1.cpl	NO
0252	CS1000-6964	ISS1:1OF1	p33541_1	20/12/2016	p33541_1.cpl	NO
0253	wi01135146	ISS1:1OF1	p33033_1	20/12/2016	p33033_1.cpl	NO
0254	CS1000-6852	ISS1:1OF1	p33517_1	20/12/2016	p33517_1.cpl	NO
0255	wi01195975	ISS1:1OF1	p33394_1	20/12/2016	p33394_1.cpl	NO
0256	wi01108262	ISS1:1OF1	p32865_1	20/12/2016	p32865_1.cpl	YES
0257	wi01104627	ISS1:1OF1	p32819_1	20/12/2016	p32819_1.cpl	NO
0258	wi01204274	ISS1:1OF1	p33451_1	20/12/2016	p33451_1.cpl	NO
0259	CS1000-7022	ISS1:1OF1	p33560_1	20/12/2016	p33560_1.cpl	NO
0260	CS1000-6583	ISS1:1OF1	p33531_1	20/12/2016	p33531_1.cpl	NO
0261	wi01096967	ISS1:1OF1	p32735_1	20/12/2016	p32735_1.cpl	NO
0262	wi01177690	ISS1:1OF1	p33320_1	20/12/2016	p33320_1.cpl	YES
0263	wi01060611	ISS1:1OF1	p32809_1	20/12/2016	p32809_1.cpl	NO
0264	wi01163826	ISS1:1OF1	p33229_1	20/12/2016	p33229_1.cpl	NO
0265	wi01182523	ISS1:1OF1	p33327_1	20/12/2016	p33327_1.cpl	NO
0266	CS1000-7267	ISS1:1OF1	p33669_1	20/12/2016	p33669_1.cpl	NO
0267	wi01090535	ISS1:1OF1	p32519_1	20/12/2016	p32519_1.cpl	NO
0268	wi01124074	ISS1:1OF1	p32989_1	20/12/2016	p32989_1.cpl	NO
0269	wi01034961	ISS1:1OF1	p32144_1	20/12/2016	p32144_1.cpl	NO
0270	wi01127874	ISS1:1OF1	p25747_1	20/12/2016	p25747_1.cpl	NO
0271	wi01062607	ISS1:1OF1	p32503_1	20/12/2016	p32503_1.cpl	NO
0272	CS1000-6910	ISS1:1OF1	p33528_1	20/12/2016	p33528_1.cpl	NO
0273	wi01060382	iss1:1of1	p32623_1	20/12/2016	p32623_1.cpl	YES
0274	wi01215563	ISS1:1OF1	p33412_1	20/12/2016	p33412_1.cpl	NO
0275	CS1000-7147	ISS1:1OF1	p33616_1	20/12/2016	p33616_1.cpl	NO
0276	wi01075359	ISS1:1OF1	p32671_1	20/12/2016	p32671_1.cpl	NO
0277	wi01120406	ISS1:1OF1	p32956_1	20/12/2016	p32956_1.cpl	NO
0278	wi01095462	ISS1:1OF1	p32723_1	20/12/2016	p32723_1.cpl	NO
0279	wi01213334	ISS1:1OF1	p33485_1	20/12/2016	p33485_1.cpl	NO
0280	wi01070473	ISS1:1OF1	p32413_1	20/12/2016	p32413_1.cpl	NO
0281	wi01114695	ISS1:1OF1	p32885_1	20/12/2016	p32885_1.cpl	NO
0282	wi01129098	ISS1:1OF1	p32951_1	20/12/2016	p32951_1.cpl	NO
0283	wi01134799	ISS1:1OF1	p33069_1	20/12/2016	p33069_1.cpl	NO
0284	wi01163048	ISS1:1OF1	p33223_1	20/12/2016	p33223_1.cpl	YES
0285	wi01096718	ISS1:1OF1	p33138_1	20/12/2016	p33138_1.cpl	YES
0286	CS1000-7293	ISS1:1OF1	p33679_1	20/12/2016	p33679_1.cpl	NO
0287	wi01166065	ISS1:1OF1	p33241_1	20/12/2016	p33241_1.cpl	NO
0288	wi01130836	ISS1:1OF1	p33008_1	20/12/2016	p33008_1.cpl	YES
0289	wi01109345	ISS1:1OF1	p32830_1	20/12/2016	p32830_1.cpl	NO
0290	wi01104410	ISS1:1OF1	p32801_1	20/12/2016	p32801_1.cpl	NO
0291	wi01183783	ISS1:1OF1	p33333_1	20/12/2016	p33333_1.cpl	NO
0292	wi01064599	iss1:1of1	p32580_1	20/12/2016	p32580_1.cpl	NO
0293	wi01124477	ISS1:1OF1	p32963_1	20/12/2016	p32963_1.cpl	NO
0294	wi01072062	ISS1:1OF1	p32776_1	20/12/2016	p32776_1.cpl	NO
0295	wi01118320	ISS1:1OF1	p32753_1	20/12/2016	p32753_1.cpl	NO
0296	wi01126454	ISS1:1OF1	p32973_1	20/12/2016	p32973_1.cpl	NO
0297	wi01154253	ISS1:1OF1	p33206_1	20/12/2016	p33206_1.cpl	NO
0298	CS1000-7086	ISS1:1OF1	p33587_1	20/12/2016	p33587_1.cpl	NO
0299	wi01021522	ISS1:1OF1	p32863_1	20/12/2016	p32863_1.cpl	NO

0300	CS1000-6786	ISS1:1OF1	p33497_1	20/12/2016	p33497_1.cpl	NO
0301	wi01108828	ISS1:1OF1	p32831_1	20/12/2016	p32831_1.cpl	NO
0302	wi01150771	ISS1:1OF1	p33210_1	20/12/2016	p33210_1.cpl	NO
0303	wi01022598	ISS1:1OF1	p32066_1	20/12/2016	p32066_1.cpl	NO
0304	wi01146289	ISS1:1OF1	p33146_1	20/12/2016	p33146_1.cpl	NO
0305	wi01184272	ISS1:1OF1	p33336_1	20/12/2016	p33336_1.cpl	NO
0306	CS1000-6752	ISS1:1OF1	p33540_1	20/12/2016	p33540_1.cpl	NO
0307	wi01082456	ISS1:1OF1	p32596_1	20/12/2016	p32596_1.cpl	NO
0308	wi01177614	ISS1:1OF1	p33303_1	20/12/2016	p33303_1.cpl	NO
0309	wi01163521	ISS1:1OF1	p33226_1	20/12/2016	p33226_1.cpl	NO
0310	wi01071296	ISS1:1OF1	p32836_1	20/12/2016	p32836_1.cpl	NO
0311	wi01118928	ISS1:1OF1	p32922_1	20/12/2016	p32922_1.cpl	NO
0312	wi01068669	ISS1:1OF1	p32333_1	20/12/2016	p32333_1.cpl	NO
0313	wi01137003	ISS1:1OF1	p33053_1	20/12/2016	p33053_1.cpl	NO
0314	wi01165870	ISS1:1OF1	p33238_1	20/12/2016	p33238_1.cpl	NO
0315	wi01136194	ISS1:1OF1	p33051_1	20/12/2016	p33051_1.cpl	NO
0316	wi01068751	ISS1:1OF1	p32445_1	20/12/2016	p32445_1.cpl	NO
0317	wi01075353	ISS1:1OF1	p32613_1	20/12/2016	p32613_1.cpl	NO
0318	wi01208515	ISS1:1OF1	p33455_1	20/12/2016	p33455_1.cpl	NO
0319	wi01165461	ISS1:1OF1	p33237_1	20/12/2016	p33237_1.cpl	NO
0320	wi01132222	ISS1:1OF1	p33023_1	20/12/2016	p33023_1.cpl	NO
0321	WI0110261	ISS1:1OF1	p32758_1	20/12/2016	p32758_1.cpl	NO
0322	CS1000-7202	ISS1:1OF1	p33646_1	20/12/2016	p33646_1.cpl	NO
0323	CS1000-7326	ISS1:1OF1	p33699_1	20/12/2016	p33699_1.cpl	NO
0324	CS1000-7357	ISS1:1OF1	p33698_1	20/12/2016	p33698_1.cpl	NO
0325	CS1000-7265	ISS1:1OF1	p33666_1	20/12/2016	p33666_1.cpl	NO
0326	CS1000-7140	ISS1:1OF1	p33624_1	20/12/2016	p33624_1.cpl	NO
0327	CS1000-7062	ISS1:1OF1	p33579_1	20/12/2016	p33579_1.cpl	NO
0328	CS1000-7359	ISS1:1OF1	p33700_1	20/12/2016	p33700_1.cpl	NO
0329	CS1000-6980	ISS1:1OF1	p33586_1	20/12/2016	p33586_1.cpl	NO
0330	CS1000-7036	ISS1:1OF1	p33566_1	20/12/2016	p33566_1.cpl	NO
0331	CS1000-7101	ISS1:1OF1	p33641_1	20/12/2016	p33641_1.cpl	NO
0332	CS1000-6546	ISS1:1OF1	p33597_1	20/12/2016	p33597_1.cpl	NO
0333	CS1000-7231	ISS1:1OF1	p33652_1	20/12/2016	p33652_1.cpl	NO
0334	CS1000-7296	ISS1:1OF1	p33681_1	20/12/2016	p33681_1.cpl	NO
0335	CS1000-7323	ISS1:1OF1	p33688_1	20/12/2016	p33688_1.cpl	NO
0336	CS1000-7262	ISS1:1OF1	p33665_1	20/12/2016	p33665_1.cpl	NO
0337	CS1000-7061	ISS1:1OF1	p33575_1	20/12/2016	p33575_1.cpl	NO
0338	CS1000-7154	ISS1:1OF1	p33619_1	20/12/2016	p33619_1.cpl	NO
0339	CS1000-7081	ISS1:1OF1	p33585_1	20/12/2016	p33585_1.cpl	NO
0340	cs1000-7128	ISS1:1OF1	p33605_1	20/12/2016	p33605_1.cpl	NO
0341	CS1000-7053	ISS1:1OF1	p33574_1	20/12/2016	p33574_1.cpl	NO
0342	CS1000-7461	ISS1:1OF1	p33736_1	20/12/2016	p33736_1.cpl	NO
0343	CS1000-7015	ISS1:1OF1	p33606_1	20/12/2016	p33606_1.cpl	NO
0344	cs1000-7223	ISS1:1OF1	p33647_1	20/12/2016	p33647_1.cpl	YES
0345	CS1000-7143	ISS1:1OF1	p33614_1	20/12/2016	p33614_1.cpl	NO
0346	cs1000-7160	ISS1:1OF1	p33621_1	20/12/2016	p33621_1.cpl	NO
0347	CS1000-7253	ISS1:1OF1	p33662_1	20/12/2016	p33662_1.cpl	NO
0348	CS1000-7337	ISS1:1OF1	p33696_1	20/12/2016	p33696_1.cpl	NO
0349	CS1000-7462	ISS1:1OF1	p33737_1	20/12/2016	p33737_1.cpl	NO
0350	cs1000-7029	ISS1:1OF1	p33563_1	20/12/2016	p33563_1.cpl	NO
0351	CS1000-7366	ISS1:1OF1	p33702_1	20/12/2016	p33702_1.cpl	NO
0352	cs1000-7269	ISS1:1OF1	p33670_1	20/12/2016	p33670_1.cpl	NO
0353	CS1000-7313	ISS1:1OF1	p33692_1	20/12/2016	p33692_1.cpl	NO

MDP>LAST SUCCESSFUL MDP REFRESH : 2016-12-20 10:09:17 (Local Time)  
MDP>USING DEPLIST ZIP FILE DOWNLOADED : 2016-12-20 03:51:22 (est)

## Appendix B

### Avaya CS1000 Route for SIP Line Gateway

```
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 YES
    TRO YES
    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 10
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
```

PAGE 002

```
OGF 1920
EOD 13952
LCT 256
DSI 34944
NRD 10112
DDL 70
ODT 4096
RGV 640
GTO 896
GTI 896
SFB 3
PRPS 800
NBS 2048
NBL 4096
```

```
IENB 5
TFD 0
RTD 12
VSS 0
VGD 6
EESD 1024
```

```
SST 5 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
RACD NO
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
```

```
PAGE 003
```

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

## Avaya CS1000 D-Channel for SIP line Gateway

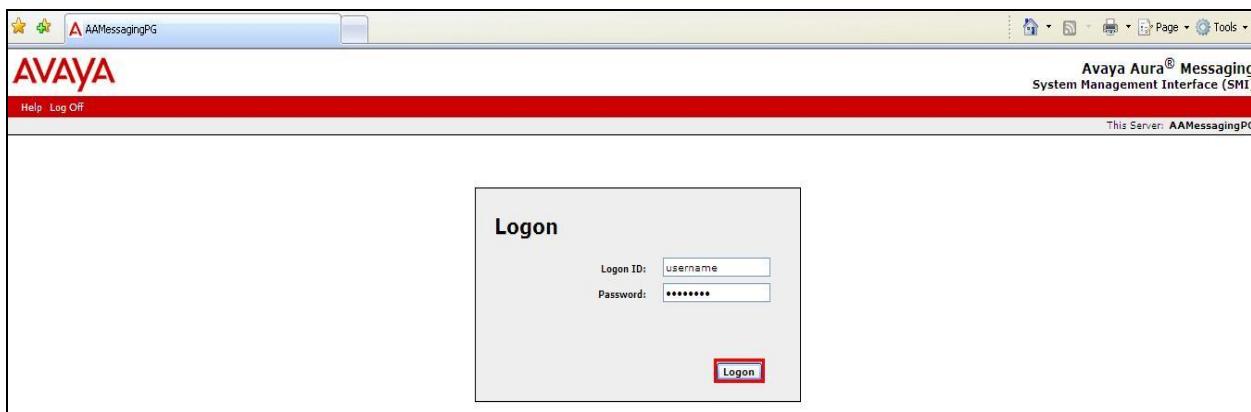
```
ADAN DCH 1
CTYP DCIP
DES SIPL
USR ISLD
ISLM 4000
SSRC 3700
OTBF 32
NASA YES
IFC SL1
CNEG 1
RLS ID 7
RCAP
MBGA NO
H323
OVLR NO
OVLS NO
```

## Appendix C

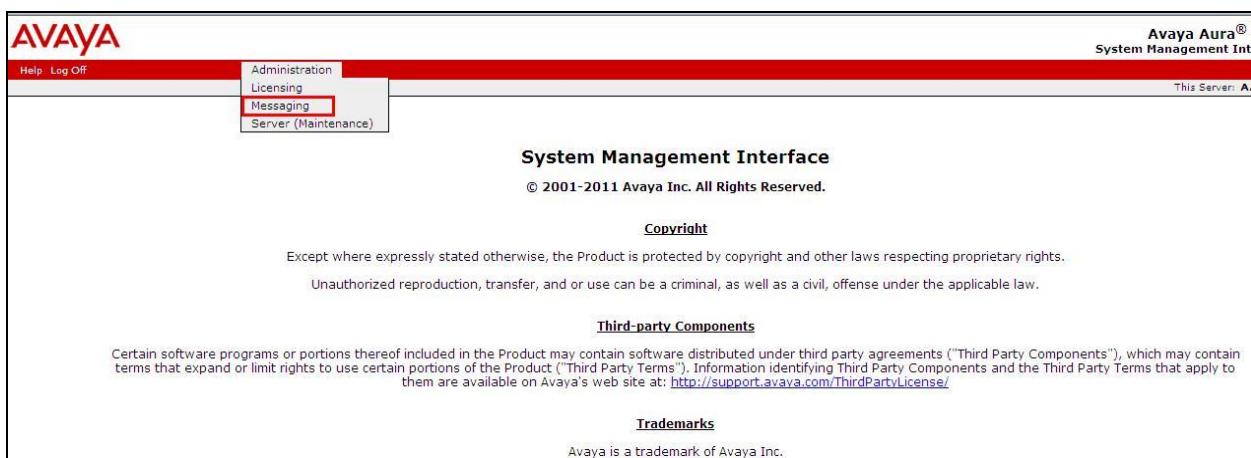
### Avaya Aura® Messaging Voicemail box for MYCO

It is assumed that a fully working messaging system is in place and the necessary configuration for Communication Manager and Session Manager has already been done. For further information on the installation and configuration of Messaging please refer to **Section 10** of these Application Notes.

Navigate to <http://<Messaging IP Address>>. Enter the appropriate credentials and click on **Logon** highlighted below.



Once logged on select **Messaging** under **Administration** as shown below.



Click on **User Management** in the left hand column and click on **Add** under **Add User/Info Mailbox** as highlighted below.

The screenshot shows the Avaya Administration interface. The left sidebar contains a navigation menu with several categories: Help, Log Off, Administration / Messaging, Messaging System (Storage), Reports (Storage), Server Information, and Server Settings. Under the 'User Management' section of the 'Administration / Messaging' category, the 'User Management' link is highlighted with a red box. The main content area is titled 'User Management'. It displays 'License Status' with 'License mode: Normal'. Below this is a section titled 'Edit User/Info Mailbox' with the sub-instruction 'Edit a user's properties. Possible identifiers: mailbox number, internal identifier, email address.' It features an 'Identifier:' input field and an 'Edit' button. Further down is a section titled 'Add User/Info Mailbox' with the sub-instruction 'Add a new user:' and an 'Add' button, which is also highlighted with a red box. Another section below it is 'Add a new Info Mailbox:' with its own 'Add' button.

Enter a suitable **First Name** and **Last Name**. Select the appropriate **Site** from the drop down box. Enter the correct **Mailbox number** and **Extension**.

**User Management > Properties for MYCO\_4011 Ascom**

<b>User Properties</b>	
First name:	MYCO_4011
Last name:	Ascom
Display name:	Myc04011
ASCII name:	Ascom, MYCO_4011
Site:	Default ▾
Mailbox number:	4011
Email address:	MYCO4011 @server1
Numeric address:	4011
Extension:	4011
<input type="checkbox"/> Include in Auto Attendant directory	
Additional extension 1:	
Additional extension 2:	
Additional extension 3:	
Additional extension 4:	
Additional extension 5:	
Additional extension 6:	
Additional extension 7:	
Class of Service:	Standard ▾

Ensure that **MWI Enabled** is set to **ByCOS**. Enter a suitable voicemail **password (PIN)** and click on **Save** once finished.

The screenshot shows the 'User' configuration page in the Avaya IP Office Manager. The left sidebar lists various system categories like Reports, Users, and Utilities. The main form is titled 'Additional extension 7:' and contains the following fields:

- Class of Service:** Standard (dropdown menu)
- Pronounceable name:** [empty input field]
- MWI enabled:** ByCOS (dropdown menu)
- Miscellaneous 1:** [empty input field]
- Miscellaneous 2:** [empty input field]
- New password:** [input field containing '\*\*\*\*\*']
- Confirm password:** [input field containing '\*\*\*\*\*']

Below these fields are three checkboxes:

- User must change voice messaging password at next login
- Voice messaging password expired
- Locked out from voice messaging

At the bottom right are two buttons: **Save** (highlighted with a red box) and **Delete**.

**Advanced Tasks**  
Reset the message waiting indicator for extension: 4011  
**Reset**

**User Preferences**  
Open User Preferences for MYCO\_4011 Ascom

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