

Avaya Solution & Interoperability Test Lab

### Application Notes for configuring Ascom Myco with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0 – Issue 1.0

#### Abstract

These Application Notes describe the configuration steps for provisioning Ascom's Myco smart device to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Session Manager.

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 describe the configuration steps for provisioning Ascom's Myco Smart device (Myco) to interoperate with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0. Ascom Myco is a smart device built for the on-the-job reality and the methods of working of nurses and clinicians, as well as the demanding environment of healthcare. It provides reliable communication, access to information at the point of care, and is robust and durable.

**Note:** Ascom Myco may be referred to as Myco, Myco handset or Myco smart device throughout this document however this is the same product which is essentially a smart phone that is connected to Avaya Aura® Communication Manager R7.0 by registering with Avaya Aura® Session Manager as a third-party SIP extension.

Ascom Myco is configured to register with Avaya Aura® Session Manager and is also configured on Avaya Aura® Communication Manager as a 9620 SIP endpoint. Myco then behaves as a third-party SIP extension on Avaya Aura® Communication Manager able to make/receive internal and PSTN/external calls and utilise telephony facilities available on Avaya Aura® Communication Manager.

### 2. General Test Approach and Test Results

The interoperability compliance testing evaluates the ability of Myco smart device to make and receive calls to and from Avaya H.323, SIP deskphones and PSTN endpoints. Avaya Aura® Messaging was used to demonstrate DTMF on the Ascom Smartphones. The Myco smart device can be set up to use Wi-Fi, GSM or both. For compliance testing only Wi-Fi was used and a Cisco wireless router was used to provide a network connection. This Cisco wireless router was considered a part of the member's overall solution.

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/Smartphones 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/Smartphones 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 compliance testing included the test scenarios shown below. Note that when applicable, all tests were performed with Avaya SIP deskphones, Avaya H.323 deskphones, Ascom Myco handsets and PSTN endpoints.

- Basic Calls
- Hold and Retrieve
- Attended and Blind Transfer
- Call Forwarding Unconditional, No Reply and Busy
- Call Waiting
- Call Park/Pickup
- EC500
- Conference
- Do Not Disturb
- Calling Line Name/Identification
- Codec Support
- DTMF Support
- Message Waiting Indication

#### 2.2. Test Results

The following observations were noted during testing.

- PSTN with anonymous caller ID calls will fail to ring on the Myco handset. This is a known issue with Ascom (MYCO-4262).
- **Direct Signaling** must be set to **Yes** on the Myco handsets when "Shuffling" is used on Communication Manager. Otherwise there may be issues with transfer. This setting can be found under Telephony → Ascom VoIP on the Device Manager.

The following are not supported by Myco by design,

- Myco does not support local call diversion like Call Forward All, Call Forward Busy and Call Forward No Answer from the smartphones itself.
- Myco does not support initiating conference calls; however, the handsets can be included in a conference call.
- Myco does not support the Message Waiting Indication (MWI) feature.

#### 2.3. Support

Support from Avaya is available by visiting the website <u>http://support.avaya.com</u> and a list of product documentation can be found in **Section 11** of these Application Notes. Technical support for the Ascom Myco handsets can be obtained through a local Ascom supplier. Ascom global technical support:

- Email: <u>support@ascom.se</u>
- Help desk: +46 31 559450

# 3. Reference Configuration

**Figure 1** shows the network topology during compliance testing. The Myco handsets connect to the Wireless router which is placed on the LAN. Myco registers with Session Manager in order to be able to make/receive calls to and from the Avaya H.323 and SIP deskphones on Communication Manager.



Figure 1: Network Solution of Ascom Myco Smart Device with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0

## 4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® System Manager running on Virtual Server	R7.0.0.0.0 Build 7.0.0.0.16266-7.0.9.9.902 SW Update Revision No. 7.0.0.0.3873
Avaya Aura® Session Manager running on Virtual Server	R7.0.0.700007
Avaya Aura® Communication Manager running on Virtual Server	R7.0 Build 017x.00.0.441.0
Avaya G450 Gateway	37.19.0 /1
96x1 H323 Deskphone	96x1 H323 Release 6.6.028
Avaya 9641 SIP Deskphone Avaya 9608 SIP Deskphone	96x1 SIP Release 6.5.0.17
Ascom Device Manager running on Unite Connectivity Manager	5.4.2
Ascom Myco Smart Device	3.3.0

### 5. Configure Avaya Aura® Communication Manager

It is assumed that a fully functioning Communication Manager is in place with the necessary licensing with a SIP Trunk in place to Session Manager. For further information on the configuration of Communication Manager, please see **Section 10** of these Application Notes. The following sections go through the following.

- Dial Plan Analysis
- Feature Access Codes
- Network Region
- IP Codec

#### 5.1. Configure Dial Plan Analysis

Use the **change dialplan analysis** command to configure the dial plan using the parameters shown below. Extension numbers (**ext**) are those beginning with **6** and **7**. Feature Access Codes (**fac**) use digits **8** and **9** or **#**.

change dial	olan analysis	Page 1 of 12	
		DIAL PLAN ANALYSIS TABLE	
		Location: all Percent Full: 1	
Dialed String	Total Call Length Type	Dialed Total Call Dialed Total Call String Length Type String Length Type	
2 3	4 udp 4 udp		
4 5	4 udp 4 udp		
5999	4 ext		
6	4 ext		
8	<b>4 ext</b> 1 <b>fac</b>		
9	1 <b>fac</b>		
*	3 dac		
#	3 <b>fac</b>		

#### 5.2. Configure Feature Access Codes

Use the **change feature-access-codes** command to configure access codes which can be entered from Ascom handsets to initiate Communication Manager call features. These access codes must be compatible with the dial plan described in **Section 5.1**. The following access codes need to be setup.

•	Answer Back Access Code	:	#21
•	Auto Alternate Routing (AAR) Access Code	:	8
•	Auto Route Selection (ARS) - Access Code 1	:	9
•	Call Park Access Code	:	#20

change feature-access-codes	Page 1 of 10
FEATURE ACCESS CODE (1	FAC)
Abbreviated Dialing List1 Access Code:	
Abbreviated Dialing List2 Access Code:	
Abbreviated Dialing List3 Access Code:	
Abbreviated Dial - Prgm Group List Access Code:	
Announcement Access Code:	
Answer Back Access Code: #21	
Attendant Access Code:	
Auto Alternate Routing (AAR) Access Code: 8	
Auto Route Selection (ARS) - Access Code 1: 9	Access Code 2:
Automatic Callback Activation:	Deactivation:
Call Forwarding Activation Busy/DA:#31 All:#30	Deactivation:#32
Call Forwarding Enhanced Status: Act:	Deactivation:
Call Park Access Code: #20	
Call Pickup Access Code: #22	
CAS Remote Hold/Answer Hold-Unhold Access Code:	
CDR Account Code Access Code:	
Change COR Access Code:	
Change Coverage Access Code:	
Conditional Call Extend Activation:	Deactivation:
Contact Closure Open Code:	Close Code: CDR
Account Code Access Code:	
Change COR Access Code:	
Change Coverage Access Code:	
Conditional Call Extend Activation:	Deactivation:
Contact Closure Open Code:	Close Code:

#### 5.3. Configure Network Region

Use the **change ip-network-region x** (where x is the network region to be configured) command to assign an appropriate domain name to be used by Communication Manager, in the example below **devconnect.local** is used. Note this domain is also configured in **Section 6.1** of these Application Notes.

```
change ip-network-region 1
                                                           Page
                                                                  1 of 20
                              IP NETWORK REGION
  Region: 1
Location: 1
                 Authoritative Domain: devconnect.local
   Name: default NR
MEDIA PARAMETERS
                               Intra-region IP-IP Direct Audio: yes
     Codec Set: 1
                              Inter-region IP-IP Direct Audio: yes
  UDP Port Min: 2048
                                         IP Audio Hairpinning? y
  UDP Port Max: 3329
DIFFSERV/TOS PARAMETERS
Call Control PHB Value: 46
       Audio PHB Value: 46
       Video PHB Value: 26
802.1P/Q PARAMETERS
Call Control 802.1p Priority: 6
       Audio 802.1p Priority: 6
       Video 802.1p Priority: 5
                                  AUDIO RESOURCE RESERVATION PARAMETERS
H.323 IP ENDPOINTS
                                                        RSVP Enabled? n
 H.323 Link Bounce Recovery? y
 Idle Traffic Interval (sec): 20
  Keep-Alive Interval (sec): 5
           Keep-Alive Count: 5
```

#### 5.4. Configure IP-Codec

Use the **change ip-codec-set x** (where x is the ip-codec set used) command to designate a codec set compatible with the Ascom Myco handsets, which support both **G.711A** and **G.729A**.

```
change change ip-codec-set 1
                                                          Page
                                                                 1 of
                                                                        2
                         IP Codec Set
   Codec Set: 1
   Audio
                Silence
                            Frames
                                     Packet
   Codec
                Suppression Per Pkt Size(ms)
1: G.711A
                                       20
                             2
                    n
                               2
2: G.729A
                                       20
                     n
```

### 6. Configure Avaya Aura® Session Manager

The Ascom Myco handsets are added to Session Manager as SIP Users. In order make changes in Session Manager a web session to System Manager is opened. Navigate to http://<System Manager IP Address>/SMGR, enter the appropriate credentials and click on **Log On** as shown below.

talt view ravontes tools rhep				
🗄 smgr70vmpg 🛕 AACC R6.4 - Login 📄 AAOA 🛕 AES63vmpg 📄 Avaya	-Nortel PEP Library 2 SMGR63	VMPG		
/AVA				
System Manager 7.0				
Recommended access to System Manager is via FQDN.				
Go to central login for Single Sign-On		User 1	D: admin	
If IP address access is your only option, then note that authentication will fail in the following cases:		Passwor	ut: [••••••••	•
First time login with "edmin" account     Expired/Reset passwords			Log On Cancel	
Use the "Change Password" hyperlink on this page to change the password manually, and then login.				Charles Tel
Also note that single sign-on between servers in the same security domain		-		
is not supported when accessing via IP address.		Supported Browsers: 1 37.0 and 38.0.	sternet Explorer 9.x, 10.3	or 11.x or Firefox 36.0
This system is restricted solely to authorized users for legitimate business purposes only. The actual or attempted unauthorized access, use, or modification of this system is strictly prohibited.				
Unauthorized users are subject to company disciplinary procedures and or criminal and civil penalties under state, federal, or other applicable domestic and foreign laws.				
The use of this system may be monitored and recorded for administrative and security reasons. Anyone accessing this system expressly consents to such monitoring and recording, and is advised that if it reveals possible evidence of criminal activity, the evidence of such activity may be provided to law enforcement officials.				
All users must comply with all corporate instructions regarding the				

### 6.1. Configuration of a Domain

Click on **Routing** highlighted below.

(e)		
Advisord	Communication Narrows Communication Server (1993) Carlonamerication Server (1993) Carlonamerication Server Programmerication Server Programmerication Media Server Media Server	Rayling and Rations Barbag and Expert Configurations Fronts Configurations Fronts Computer Notices Reports Reports Scholable Scholable Scholable Scholable Scholable Scholable Scholable Scholable Scholable Scholable Scholable

Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. Click on **Domains** in the left window. If there is not a domain already configured click on **New**. In the example below there exists a domain called devconnect.local which has been already configured.

AVAVA			
Aura <sup>®</sup> System Manager 7.0			
Home Routing X			
• Routing	Home / Elements / Routing / Domains		
Domains	Domain Management		
Locations			
Adaptations	New Edit Delete Duplicate More Actions •		
SIP Entities	1 Itam 3		
Entity Links		Type	Notor
Time Ranges	devconnect.local	sip	Default domain for Paul
Routing Policies	Select : All, None		
Dial Patterns	<u></u>		
Regular			
Expressions			
Defaults			

Clicking on the domain name above will open the following window; this is simply to show an example of such a domain. When entering a new domain the following should be entered, once the domain name is entered click on **Commit** to save this.

AVAVA Aura System Manager 7.0			
Home Routing N			
- Routing	Hume / Elements / Routing / Domains		
Domains			
Locations	Domain Management Commit Canoel		
Adaptations			
SIP Entities	t them		
Entity Links	Name	Type	Roten
Time Ranges	* devconnect.local	100	Default domain for Paul
Routing Policies			
Dial Patterns			
Regular		-	
Expressions		Co	mmit Cancel
Defaults			

#### 6.2. Configuration of a Location

Click on **Locations** in the left window and if there is no Location already configured then click on New; however, in the screen below a location called **PGLAB** is already setup and configured and clicking into this will show its contents.

Avra <sup>®</sup> System Manager 7.0			
Home Bouling R			
- Routing	Home / Elements / Routing / Locations		
Domains			
Locations	Location		
Adaptations	New hill Delete Deploate M	lore Actions *	
SIP Entities	1 Ban S		
Entity Links	C Name	Correlation	Notes
Time Ranges	D PGLAB	п	Pauls Lab
Routing Policies	Select : All, None		
Dial Patterns	BHD BD PLET LINE CONTRACT		
Regular			
Expressions			
Defaults			

The Location below shows a suitable **Name** with a **Location Pattern** of **10.10.40.\***. Once this is configured click on **Commit**.

ling	Hume / Dements / Reuting / Locations	
omains	Location Details	Commit Cancel
deptations		
TEL E addition	General	line of the second s
utilie Links	* Rame	PGLAB
intery Links	Notes	Pauls Lab
nution Colicies	the statement of the statement of the statement of the statement of the	
al Rollows	Dial Plan Transparency in Survivable Mode	
caudae	Enabledi	
enerocinos	Listed Directory Number:	
efaults	Associated CM SIP Entity:	
Comments.		
	Overall Managed Bandwidth	
	Managed Bandwidth Units:	abit/sac 🐨
	Total Bandwidth:	
	Multimedia Bandwidth	
	Audio Calls Can Take Multimedia Bandwidth:	
	Per-Call Bandwidth Parameters	
	Maximum Multimedia Bandwidth (Entra-Location):	2000 Kbit/Sec
	Haximum Hultimedia Bandwidth (Enter-Location):	2000 Kivt/Sec
	* Minimum Hultimedia Bandwidth	64 Kbit/Sec
	* Default Audio Bendwidth	80 Kbt/sec V
	Alarm threshold	
	Overall Alarm Threshold	an TU N
	Nultimedia Alarm Threshold	
	I staary balter Owerall Alarm Trisser	S Blocker
	· Latency delore Multimetia Alarm trigger	3 Hindles
	Location Pathers	
	Add	
	1 Harris	
	12 Address Pullarm	Notes
	* 10.10.40.*	Paula subret
	Select : All, trone	. For the second se
		Contract Cancel

#### 6.3. Adding Ascom SIP Users

From the home page click on **User Management** highlighted below.

AVAYA Non" Eystem Manager 7.0		to a state of the second secon
Listers Adversativations Developing StyleAccentrations Concerns & Rinds User Herscherter Hans Reconstructions Rade	Elements Consensition Manager Consensation Senses 1920 Conferencing Regressed Participant Regressed Printing Resting Technolys Manager Resting Technolys Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting Resting	Services Backup and Restare Halk Insport and Export Configurations Events Congraphs Holesdonery Desintary Listens Exports Exports Extension Section Section Section Section Section Format Percentament

Click on **New** highlighted to add a new SIP user.

AVAYA						Land langest in at langest in the lange of a state of the
Name - Sam Management	•					
· User Hanagement	Norm 2 Marrie / Marriel	ageneed / Havage lim				0
Manage Users Public Contacts	Base-th.		e,			And a
Siliareal Addresses	User Manage	ment				
System Presence ACLs	Users					
Commission ation Profile	(glas)/2m	Otes	Hare Act	tions *		Advanced Search •
Password Policy	15 Iherta 📚 Show	12 2				Fiber: Erubia
	🔲 Jast Name	First Name	Display Raise	Lagin Name	AllP Haville	Last Lugin
	7100	SIPErt	7100. SIPE:et	T100@devcorrenct.bcal	7100	
	7101	SIPErt	7101, SIPE:et	7101@devcorrect.local	7101	
	admin []	admin	Default Administrator	adreht		November 3, 2015 11:41:21 AM +90:00
	Select / All, None	9		22		

Under the **Identity** tab fill in the user's **Last Name** and **First Name** as shown below. Enter the **Login Name**. The remaining fields can be left as default.

AVAVA Aura System Manager 7.0					and length to deference 4, and De-
Hinto Van Hangamaid R					
* User Management	Norm / Users / User Managgreent / Ma	inage There			
Hanage Users					1449 B
Public Contacts	User Profile Edit: 722	0@devconnect.local			Cannot & Continue Connie Cancel
shered					
Addresses	Islanding · Commandication P	toble Mandacohip Contacto			
System	User Provisioning R	ule =			
Presence ACLs	osci monsioning re	ilear Secondaria Colar	1	101	
Communication		user movementy wates	-	190	
Profile	Identity +				
Pastering Policy		* Last Namei	7220		
		Last Name (Latin Translation):	7220		
		+ First Namei	Aecon Myco		
		First Name (Latin Translation):	Hacare Myse		
		Hiddle Name:			
		Description	0		
		Update Time (	Doubler 13, 2013 13(b)		
		* Login Neme:	7220@devconnect.loca		
		Authentication Type:	lite;	191	
		Change Property	d		
		Source:	heat		
		Localized Display Name:	7220. Apcork Wyco		
		Endpoint Display Name:	7220, Aucsim Myto		
		Title:			
		Language Preference:	English (United Kingdom)	~	

Under the **Communication Profile** tab enter a suitable **Communication Profile Password** and click on **Done** when added, note that this password is required when configuring the Ascom Myco in **Section 7.0**. Click on **New** to add a new **Communication Address**.

AVAYA Auto" System Manager 70				in the second	Fing all a
Nume Hareportert	•				
- User Hamagement	Reason / Dona / Data Reason / Barrier Data				
Panage Decre Public Contacts	User Profile 7220@devconnect.loc	al		Carrie 8.0	
Situred Addresses	Libertly Commandation Follow Reads	rahige Caustacia			
Presence ACL+	Communication Profile *				
Communication Profile Password Policy	Communicatio	n Profile Password: ++++ Confirm Password: ++++	- Cancel		
	Office Office Con	e l			
	<ul> <li>Primary</li> </ul>				
	Select : Rome				
		* Name: Primary			
		Default : 😕			
	Communication Add	iress			
	Offer States	out -	10 mm		
	Select (All, Mone.		, and a second sec	2	

Enter the extension number and the domain for the **Fully Qualified Address** and click on **Add** once finished. Ensure **Session Manager Profile** is checked and enter the **Primary Session Manager** details, enter the **Origination Sequence** and the **Termination Sequence** and the **Home Location** as highlighted below.

	•							
New Edit Olelete		Handle		Doma	in			
🗸 Avaya SIP		7220		devco	onnect.local			
<								
lect : All, None								
		Type: Avaya SIP		$\checkmark$				
*	Fully Qualified Ar	idress: 7220	@	devconne	ct.local		<b>v</b>	
L								A d d
								Add
Session Manager Profi	le 🔹							
SID Ponistration								
* Primary Sessio	n Manager				-			
rinnary occord	Qs	m70vmpg		Primary	Secondary	Maximum		
				14	0	14		
Secondary Sessio	n Manager 🔍							
Survivab	ility Server							
May Simultanee	us Devices 1							
Max. Simulated		<u> </u>						
Block New Registr Maximum Registratio	ation When	I						
Application Sequence	es							
Origination	Sequence CM7	OAPPSEQ	~					
Termination	Sequence CM7	OAPPSEQ	~					
Call Pouting Setting	_							
Call Routing Settings	•							
* Hor	e Location DCL	10	<b>V</b>					
* Hon	e Location PGL	AB	~					

Ensure that **CM Endpoint Profile** is selected for the **System** and choose the **9620SIP\_DEFAULT\_CM\_7\_0** as the **Template**. Click on **Endpoint Editor** to configure the buttons and features for that handset on Communication Manager.

☑ CM Endpoint Profile 💌	
* System	cm70vmpg
* Profile Type	Endpoint
Use Existing Endpoints	
* Extension	Q 7220 Endpoint Editor
Template	9620SIP DEFAULT CM 7 0
Set Type	9620SIP
Security Code	
Port	IP
Voice Mail Number	
Preferred Handle	(None)
Calculate Route Pattern	
Sip Trunk	aar
Enhanced Callr-Info display for 1-line phones	
Delete Endpoint on Unassign of Endpoint from User or on Delete User	$\checkmark$
Override Endpoint Name and Localized Name	$\checkmark$
Allow H.323 and SIP Endpoint Dual Registration	

Under the **General Options** tab ensure that **SIP Trunk** is set to **tg1**. Also ensure that **Message Lamp Ext.** is showing the correct extension number.

dit Endpoint				Dane Gano
System	cm70vmpg	Extension	7220 962051P	5
Port	500012	Security Code		
Name	7220, Ascom Myco			
General Options (0) * Feature Options (F)	Site Data [1] Althreviated Call Dialing	(A) Enhanced Call Ford (T) Rotton Assignment (D) Co	isag Mandoership (90	
Central Optime (0) Feature Optime (7) Class of Restriction (COR) Emergency Location Ext	Sile Data (2) Akknestated Call Dialing 1 7220	(A) Endamond Call Food (2) Rotter Ansignment (0) Co Class Of Service (COS) Message Lamp Ext.	nag Manharship (M) 1 7220	1
Semeral Optime (0) Class of Restriction (COR) Emergency Location Ext Tenant Number SIP Trunk	Siles Data [2] Alderestated Call Dialing 1 7220 1 Q.tg1	(A) Enhanced Call Food (2) Retter Accignment (0) Ge * Class Of Service (COS) * Message Lamp Ext. Type of 3PCC Enabled	nag Hembership (H) 1 7220 Rone 🐨	
General Dytime (0) Feature Options (7) Class of Restriction (COR) Emergency Location Ext Tenant Number SIP Trunk Coverage Path 1 Lock Message	Sike Data [1] Akknewsteed Call Dasling 1 7220 1 Q tg1	Al Enhanced Call Food (2) Rotter Antigement (3) Co Class Of Service (COS) Message Lamp Ext. Type of 3PCC Enabled Coverage Path 2 Localized Display Name	Nere V 7220, Ascorn Myco	

There must be 3 call appearances setup for the Myco sets for Call Waiting to work. However the number of call appearances must be changed from 3 to 2 in order to allow the call forward when busy to work properly. Once the **Button Assignment** is completed click on **Done** to finish.

****	Sectooment (0)	Crown Mambarshin /	Mi .		
	Assignment (c)	Group Membership (	mg -		
_					
Mai	n Buttons Fea	iture Buttons			
1	call-appr 🗳		Ţ		
2	call-appr 💌				
з	call-appr 💌				
4	None 💌		11.		
5	None 👻	1		1 I.	
6	None 💌				
	•				

🗹 CM Endpoint Profile 💌	
* System	cm70vmpg
* Profile Type	Endpoint
Use Existing Endpoints	
* Extension	Q 7220 Endpoint Editor
Template	9620SIP DEFAULT CM 7 0
Set Type	9620SIP
Security Code	
Port	IP
Voice Mail Number	
Preferred Handle	(None)
Coloridate Doute Dottoon	
Calculate Route Pattern	
Sip Trunk	aar
Enhanced Callr-Info display for 1-line phones	
Delete Endpoint on Unassign of Endpoint from User or or Delete User	
Override Endpoint Name and Localized Name	
Allow H.323 and SIP Endpoint Dual Registration	
	Commit & Continue Commit Cancel

Once the **CM Endpoint Profile** is completed correctly, click on **Commit** to save the new user.

# 7. Configure Ascom 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 UniteCM box has an IP address assigned.

**Note:** The Wireless router and Ascom UniteCM configuration are outside the scope of these Application Notes.

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

	HON MANYA HAL								
UNITE CONNECTIVITY MANAGER									
User name									
Password									
	Log in								

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

Unite	Connectivity Ma	nager
Send Message	Phonebook	Device Manager
Users & Groups	Activity Log Viewer	Configuration
Action Assignment	Setup Wizard	

The **Ascom Device Manager** screen is seen as shown below. In the example below, a device with number **7220** is discovered. Double click on this number.

Ascom Devic	e Manager	-	- <b>M</b>	_	Sec. Sec.		_	_	100			-	3-
File Denice No	enber App Teing	late License C	Options Help										
	() NUMBERS	APPS	TINELATIS	P LICENSE	6								
Device types:	Search for:		re Desci	piluri +	Show all								
AACOIN Myso	Description	Humbo 7721 7223 7223 7223 7223 7223 7220	Device type Aacous Myrca Aacous Myrca Aacous Myrca Aacous Myrca	Parameter def. dik dik dik dik	Device ID 000138 1885A4 000138 1885A7 000138 1885A7 000138 1885A7 000138 1866A7	DECT Masher	Device Interface	Online V	Status Synchronized Synchronized Synchronized	Saved V V V	Lest high 2008-01-03 12:03 2008-01-03 12:03 2008-01-03 12:03 2008-01-03 11:13	Last nun tenpi gen gen gen	

The Edit parameters for 7220 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
- Primary SIP Proxy
- Listening Port
- SIP Register Expiration
- Endpoint ID
- Password
- Codec configuration
- DTMF Type
- Direct Signaling

Set to either **TCP** or **UDP** 

IP address of Session Manager

5060

**3600** (default value)

This is the extension number

- Password assigned to the endpoint in Section 6.3
- This will depend on the country
- RFC 2833 is chosen
  - This will be set to Yes if Shuffling is used on CM

Retain default values for all other fields.



The following step is optional. From the same screen as above, click on **Display** and configure the **Owner ID/name** field with the directory number configured, in this case **7220** as shown below. Retain default values for all other fields and click on **OK** to complete the configuration.



### 8. Verification Steps

The following steps can be taken to ensure that connections between Myco and Session Manager and Communication Manager are up.

Log into System Manager as done previously in **Section 6.0**, select **Session Manager** as highlighted below.

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🖁 Users	Chements	Q. services
Advances/or psychosomaatan Divectory Synchosomaatan Groupp A Palais User Planagement Itter Planajement Itter Planajement	Communications Manager Consumations Second BBDD Conformation Regargement Demolypoint Platform Platfor Server Heading Cathonge Presson Platform Based Based Based Based	Kachap and Review Nak Impert and Equations Deverts Goographic Radiantiery Deverts Lineme Registration Registration Registration Registration Recently Blackson Blackson Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Blackson Recently Recent

Under **System Status** in the left window, select **User Registrations** to display all the SIP users that are currently registered with Session Manager.

Dashbuard Session Henager Administration Communication	Session Manager Da Thi page storedu the overal di Session Manager Ins	ishboard inia and health stances	summer	y of each ad	ministered							
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Application     Configuration												
* System Status												
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SIP Firewall												
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Hereite - Alereite - A												
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The Ascom Myco user **7220** should show as being registered as highlighted.

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4 Items 📚 Show Al 💙													
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	- Show		Ascom Dect	7213	·				0/1				
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Ш	⊳ Show	7100gdevconnect.local	SIPExt	7100	POLAB	10.10.40.159		. 🗆	1/1	2	M (AC)		
	- Show		Ascem (62	7203					0/1				
	Show	***	Ascom Dect	7211					0/1				
	► Show		Ascem Dect.	7213					0/1				
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### 9. Conclusion

These Application Notes describe the configuration steps required for Ascom's Myco Smart device to successfully interoperate with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0 by registering Myco with Avaya Aura® Session Manager as third-party SIP phones. Please refer to **Section 2.2** for test results and observations.

### 10. Additional References

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

- [1] Administering Avaya Aura® Communication Manager, Document ID 03-300509
- [2] Avaya Aura® Communication Manager Feature Description and Implementation, Document ID 555-245-205
- [3] Implementing Avaya Aura® Session Manager Document ID 03-603473
- [4] Administering Avaya Aura® Session Manager, Doc ID 03-603324

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

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