

Avaya Solution & Interoperability Test Lab

Application Notes for configuring Axis Communications AB AXIS A8004-VE Network Video Door Station with Avaya IP Office Server Edition and IP Office 500 V2 Expansion R10.0 – Issue 1.1

Abstract

These Application Notes describe the configuration steps for provisioning the AXIS A8004-VE Network Video Door Station from Axis Communications AB to interoperate with Avaya IP Office Server Edition and IP Office 500 V2 expansion R10.0.

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

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

1. Introduction

These Application Notes describe the configuration steps for provisioning the AXIS A8004-VE Network Video Door Station from Axis Communications AB to interoperate with Avaya IP Office Server Edition and IP Office 500 V2 expansion R10.0.

AXIS A8004-VE Network Video Door Station is an open, non-proprietary IP-based door station for two-way communication, identification and remote entry control. It is a robust outdoor unit with a high performing intercom function providing clear, uninterrupted an echo-free speech also in the most demanding situations.

The unit supports Session Initiation Protocol (SIP) for easy integration with Avaya IP Office to meet advanced audio and video communication needs. AXIS A8004-VE is equipped with multiple inputs and outputs for remote control of door locks as well as other equipment.

2. General Test Approach and Test Results

The interoperability compliance testing evaluates the ability of the AXIS A8004-VE Network Video Door Station (Axis Door Phone) to make and receive calls to and from Avaya Digital, H.323 and SIP desk phones as well as hunt groups, mobile/PSTN endpoints and a video enabled softphone.

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

2.1. Interoperability Compliance Testing

The compliance testing included the test scenarios shown below. Note that when applicable, all tests were performed with Avaya SIP phones, H.323 phones Digital phones, and PSTN endpoints.

- Registration of door phone.
- Invalid usernames/passwords for registration.
- Basic calls.
- Transfer/Conference/Forwarding.
- Codec support.
- DTMF support.
- Door opening.
- Video Call.
- Serviceability testing.

2.2. Test Results

The following issue was noted during testing.

Using AXIS A8004-VE Network Video Door Station to overflow calls from one IP Office phone to another in the event of a "no answer" from the initial phone, the call fails to overflow and the second phone does not ring, the call remains indefinitely on the first phone. Note this same scenario works fine for a "busy" extension. The next release of software from Axis Communications should fix this issue.

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 9** of these Application Notes. Technical support for the AXIS A8004-VE Network Video Door Station product can be obtained as follows:

Axis Communications AB

Tel: +46 46 272 18 00 Fax: +46 46 13 61 30 http://www.axis.com/global/en/learning-and-support

3. Reference Configuration

Figure 1 shows the network topology during compliance testing, an AXIS A8004-VE Network Video Door Station from Axis Communications AB with Avaya IP Office Server Edition.

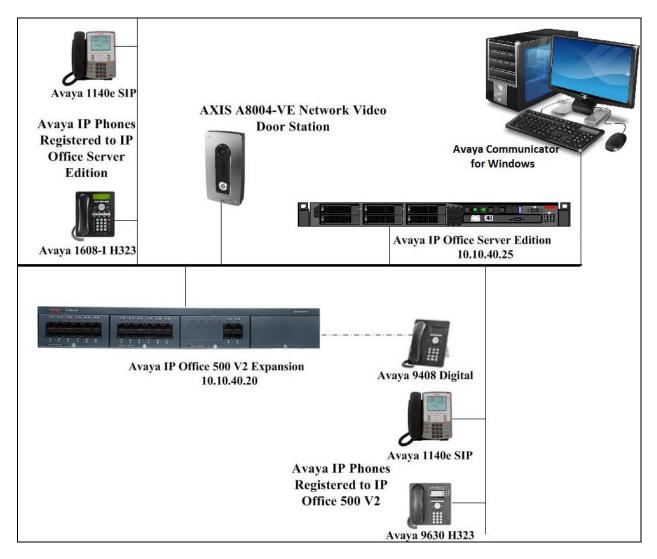


Figure 1: Connection of Axis Communications AB A8004-VE Network Video Door Station with Avaya IP Office Server Edition and IP Office 500 V2 R10.0

4. Equipment and Software Validated

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

Equipment/Software	Version/Release
Avaya IP Office Server Edition running on a virtual platform	R10.0.0.0 Build 550
Avaya IP Office 500 V2	R10.0.0.0 Build 550
Avaya IP Office Manager	R10.0.0.0 Build 550
Avaya 9630 Deskphone	H.323 Release 6.4014U
Avaya 1140e Deskphone	SIP R04.03.12.00
Avaya 1616-I Deskphone	H323 1608UA1_350B.bin
Avaya 9408 Digital Deskphone	V2.0
Avaya Communicator for Windows	V 2.1.3
Axis Communications AB AXIS A8004-VE Network Video Door Station	Firmware Version 1.58.2.1

5. Configure Avaya IP Office

Configuration and verification operations on Avaya IP Office illustrated in this section were all performed using Avaya IP Office Manager. The information provided in this section describes the configuration of Avaya IP Office for this solution. It is implied a working system is already in place. For all other provisioning information such as initial installation and configuration, please refer to the product documentation in **Section 9**. The configuration operations described in this section can be summarized as follows:

- Launch Avaya IP Office Manager.
- Display LAN Configuration.
- Configure New SIP User.
- Save Configuration.

5.1. Launch Avaya IP Office Manager

From the Avaya IP Office Manager PC, go to **Start** \rightarrow **Programs** \rightarrow **IP Office** \rightarrow **Manager** to launch the Manager application or use the shortcut on the desktop (not shown). A login window will automatically appear, using the appropriate credentials click **OK** to log in.

🖌 Avaya IP O	ffice Manager			the second s
File Edit	View Tools Help			
	1	-	- 1.2	😂 • 🗐 🖪 🔜 📐 🗸 🗳 🥔
IP	Offices			
Operat			Configuration Service Use IP Office : Service User Name Service User Password	Server (Primary System - IPO-Linux-PC) Administrator

Click on **Configuration** to open the configuration GUI for both the Server Edition system and the expansion system.

File Edit View Tools Help				
Solution -	-	- 2.0-	e 💽 💽 🛕 🗸 🦉	
E		Serve	er Edition	
Summary				Open
	Server Edit	ion Primary		Configuration
Hardware Installed				System Status
Control Unit: IPO-Linux-PC Secondary Server: NONE				Voicemail Administration
Expansion Systems: 10.10.40.20 System Identification: 270e493084d7e25	558cef0a4172efa9bd0683c	940		Resilience Administration
Serial Number: 0050569473d8				Million Market
System Settings IP Address: 10.10.40.25				P Office Web Manager
Sub-Net Mask: 255.255.255.0				Help
System Locale: Ireland (UK English)				
Device ID: NONE Number of Extensions on System: 10				Set All Nodes to Select
				<u>~</u> ~ ~
				Add
Description Name Ac	ddress Primary Link	Users Configured	Extensions Configured	
Solution		34	51	
Primary Server		9	10	
Expansion System V2Exp 1	0.10.40.20 Bothway	25	41	

5.2. Display LAN Configuration

Once logged in navigate to **System** in the left window and this will display the IP Office system properties in the main window. Select the **LAN1** tab in the main window and within that tab select the **LAN Settings** tab. This displays the **IP Address** information for the Axis door phone to register to in **Section 6.2**.

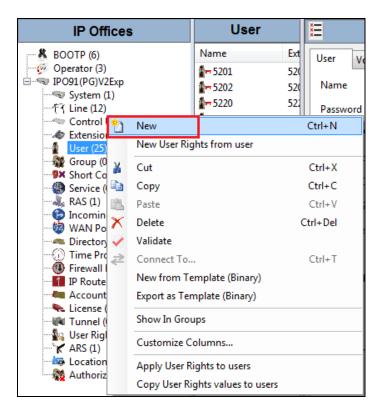
BOOTP (2)	Name	System LAN1 LAN2 DNS Voicemail Telephony Directory Services System Events
	N2Exp	LAN Settings VoIP Network Topology
User(35)		Volp Network Topology
Group(3)		IP Address 10 . 10 . 40 . 20
Short Code(15)		IP Mask 255 255 0
······································		Primary Trans, IP Address 10 · 10 · 40 · 1
Account Code(6)		Primary Trans. IP Address
User Rights(9)		RIP Mode None 🔻
(PG)Server		Enable NAT
PG)V2Exp		Number Of DHCP IP Addresses 10
一千(Line (12)		DHCP Mode
Extension (41)		Server Client Dialin Disabled
Group (2)		
Short Code (18)		
Service (0)		
Incoming Call Route (4)		
Firewall Profile (1) IP Route (2)		
Licence (33)		
📲 Tunnel (0)		
` K ARS (1) 		
Authorization Code (1)		

Selecting the **VoIP** tab displays the **Domain Name** and the **UDP**, **TCP** and **TLS Port** details used in the configuration of the Axis door phone in **Section 6.2**.

System LAN1 LAN2 DNS Vo	icemail Telephony	Directory Service	s System Events	SMTP	SMDR	Twinning	VCM	Codecs
LAN Settings VoIP Network Topo	logy							
H323 Gatekeeper Enable								
Auto-create Extn	Auto-create U	ser	H323 Rem	ote Extn	Enable			
			Remote Call	Signalling	Port 17	20	×	
SIP Trunks Enable								
SIP Registrar Enable								
Auto-create Extn/User					SIP Ren	note Extn Er	nable	
Domain Name	devconnect.local							
	UDP	UDP Port 506	0	Rem	note UDP I	Port 5060		*
Layer 4 Protocol	🔽 ТСР	TCP Port 506	0	Rem	note TCP I	Port 5060		* *
	🔽 TLS	TLS Port 506	1	Rem	note TLS P	ort 5061		*
Challenge Expiry Time (secs)	10							

5.3. Configure New SIP User

From the left window right click on **Users** and select **New** as shown below, this will allow a new user to be added to IP Office, this new user will be a SIP user.



Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. Within the **User** tab at the top of the screen, enter a suitable **Name** and **Password** for the user. Add the **Extension** number as shown below.

Ш	Do	or2 5200:	5200			Ċ	÷ ř
User Voicemail DND Sho	rtCodes Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programmir	ng
Name	Door2 5200						
Password	••••						
Confirm Password	••••						
Conference PIN							
Confirm Conference PIN							
Account Status	Enabled					•	
Full Name	Axis Door Phone 500V2						
Extension	5200						
Email Address							
Locale					,	•	
Priority	5				,	•	
System Phone Rights	None					•	
ACCS Agent Type	None						
Profile	Power User						
	Receptionist						
	Enable Softphone						
	📝 Enable one-X Portal S	ervices					
	Enable one-X TeleCor	nmuter					

Navigate to the **Supervisor Settings** tab, enter the **Login Code** for the SIP user and note that this password will be required for the Axis door phone configuration in **Section 6.3**. Click on **OK** to save the configuration.

×							Doo	r2 5200): 5200*					Ċ,	- 🖻 🗙	🖌 -	< >
U	ser	Voicer	nail DND	Short	Codes	Source Nur	nbers	Telephor	y Forwar	ding	Dial In	Voice Recording	Button Program	ming	Menu Pr	ogrammin	4 >
	Call Se	ttings	Supervisor	Settings	Multi	line Options	Call	Log TUI									
	Login	Code		••••						E F	orce Logi	n					
	Confi	rm Logi	n Code	••••													
	Login	Idle Pe	riod (secs)							E Fo	orce Acco	ount Code					
	Monit	tor Grou	р	<none></none>					•	E F	orce Auth	norization Code					
	Cover	age Gro	up	<none></none>					•	🔳 In	coming (Call Bar					
	Status	on No	Answer	Logged	On (No	change)			•	0	utgoing	Call Bar					
										🔳 Ir	hibit Off	-Switch Forward/T	ransfer				
	Rese	t Longe	st Idle Time								an Intrud						
	A	ll Calls										Intruded					
	⊚ Б	cternal I	ncoming							C	an Trace	Calls					
										D	eny Auto	Intercom Calls					
	•								11								•
													ОК		Cancel	He	elp

Navigate to **Button Programming** and the three call appearance buttons should already be programmed, click on **OK**. If not create the appearance buttons (not shown) and click on **OK**.

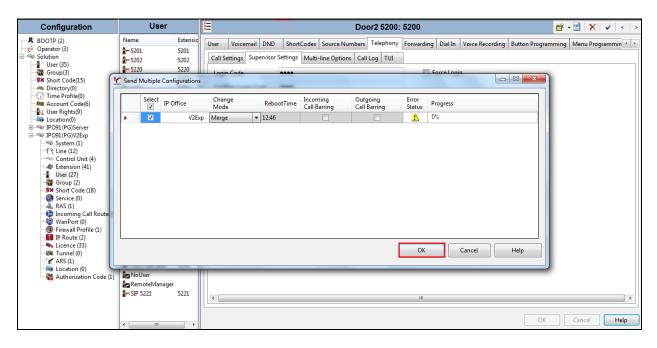
₹				5280: 5	280*				*	🖻 🗙 🗸	<
User Vo	oicemail DND	Short Codes	Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programming	Menu	Programming	N 4
Button	Label	Action	Acti	on Data					*	Remove	1
1		Appearance	a=						Ε		n i
2		Appearance	b=							Edit	
3		Appearance	c=							Сору	
4										copy	
5										Paste	
6											
7											
8											
9											
10											
11											
12											
13 14											
14											
16											
10										Display all b	outto
18											
19											
20											
21											
22											
23											
24									-		
								ОК		Cancel	Help

On the subsequent screen, ensure that **SIP Extension** is selected and click on **OK** to create the SIP extension along with the new user.

Avaya IP Office Manager
Would you like a new VoIP extension created with this number?
 None H323 Extension SIP Extension
ОК

5.4. Save Configuration

Once all the users and extensions have been created click on the **Save** icon at the top of the screen, which will bring up a new window and click on **OK** to save the new configuration.

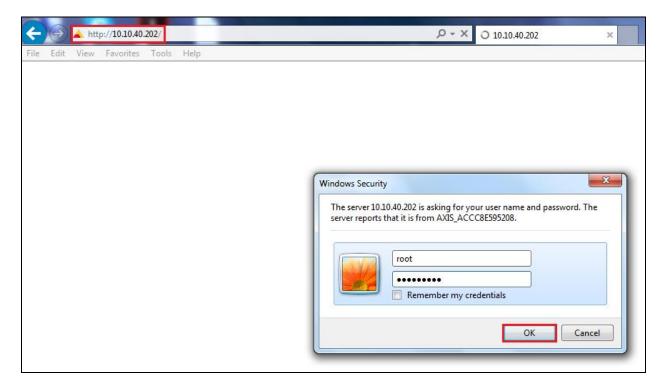


6. Configure AXIS A8004-VE Network Video Door Station

The configuration of the Axis door phone uses a web interface.

Note: The door phone obtains its IP address using DCHP and this was the way in which an IP address was given to the device during compliance testing.

Open a web session to the IP address of the Axis door phone, enter the proper credentials and click on **OK**.



Please refer to Axis Communications documentation listed in **Section 9** of these Application Notes for further information about the Axis door phone configuration. The following sections cover specific settings concerning SIP and the connection to IP Office.

6.1. Configure SIP Settings

The initial step is to enable SIP-functionality as shown below. Some AXIS products have a SIP Setup Assistant that provides an easy setup for the entire product (like button-initiated calls on Network Video Door Station). This guide only shows how to set up an account in the AXIS product not the specific product capabilities. If a Setup Assistant is available, it's recommended to be used. The same configuration specified below can be applied in the assistant separate pages. Click on VoIP \rightarrow SIP Settings in the left window, in the main window ensure that Enable SIP is ticked under SIP Settings and Allow incoming SIP calls under Incoming SIP Calls. Under the Audio Codec Settings, select the codecs that are to be used and click on Save once all is configured correctly.

AXIS AXIS A80	04-VE Network Video Door Station Live View Setup Help
→ Basic Setup	SIP Settings
	SIP Setup Assistant
Video & Audio	Start the setup assistant for easy SIP configuration. Start
- VoIP	SIP Settings
Overview SIP Settings	☑ Enable SIP
VMS Settings	Incoming SIP Calls
Account Settings	Allow incoming SIP calls
DTMF Settings	Port Settings
Live View Config	SIP port: 5060
> Detectors	SIP TLS port: 5061
Detectors	RTP start port: 4000
Applications	NAT Traversal
Events	Enable ICE
• Recordings	Enable STUN
Languages	
	Audio Codec Settings
 System Options About 	National Codects Selected codecs opus (48000 Hz) ► L16/16000 (16000 Hz) ► L16/8000 (8000 Hz) ►
	speex/16000 (16000 Hz) speex/8000 (8000 Hz) G.726-32 (8000 Hz)
	Save

6.2. Configure Account

Click on **Account Settings** under **VoIP** in the left window. Click on the **Add** button in the main window.

Basic Setup	Accoun	t Settings				(
Video & Audio	Name	SIP address	Transport	Default	Reg. status	_
VoIP Overview SIP Settings VMS Settings Account Settings DTMF Settings						
Live View Config						
Detectors						
Applications	Add Test SIP Cal	Modify Remove				
Events		If from the selected SIP account to t	he specified SIP addre	55.		
Recordings		ress: sip(s):extension@domain	Test call			
Languages						
System Options						
About						

Enter the following details under the **General** tab:

- Name: Enter a suitable name for the SIP account.
- User ID: Enter the SIP user number configured in Section 5.3.
- **Password**: Enter the password for the SIP user created in Section 5.3.
- **Caller ID**: This should be the extension number created in **Section 5.3**.
- **Domain Name**: The domain as per **Section 5.2**, the IP Office telephony domain.
- **Registrar address**: The IP address of the IP Office, as per Section 5.2.

🖇 AXIS A8004-VE Netwo	ork Video Door Station - Internet Explorer
http://10.10.40.202/ac	dmin/account_set.shtml?doAction=mod&id=sip_account_2
Modify Acco	unt 🕜
General Network	Video
Account Informati	on
Name:	500V2 Door
☑ Default account	(Note that only one account can be the default account.)
Account Credentia	ls
User ID:	5200
☑ Use User ID as Aut	hentication ID
Authentication ID:	5200
Password:	••••
Caller ID:	5200
SIP Server Setting	s
Domain name:	devconnect.local
Registrar address:	10.10.40.20

Select the **Network** tab and select the transport mode to be used, this can be UDP, **TCP** or TLS, all three protocols were tested and work correctly with IP Office. Click on **Save** to save the Account information.

2	AXIS A8004-VE N	Network Video Door Station - Internet Explorer	
	http://10.10.40.2	202/admin/account_set.shtml?doAction=mod&id=sip_ac	count_2#
I	Modify A	ccount	0
	General Net	work Video	
	Transport Set	tings	
	Enable SIPS		
	Transport mode:	TCP V	
	Allow port up	date messages through MWI	
	Proxy Setting	5	
	Address	Username	
			† ⊥
	Add		
	Account Statu	5	
		Save Cancel	

6.3. Configure DTMF Settings

Staying within the **VoIP** menu on the left window, select **DTMF Settings**. In the main window select the SIP account that was created in **Section 6.2** and click on the edit icon, as shown below.

Basic Setup	DTMF Settings	(
1	DTMF Configuration for SIP Accounts	
Video & Audio	Peer-to-peer accounts (No local accounts)	6
• VoIP	▼ 500V2 Door (5200)	J
Overview SIP Settings	DTMF using SIP INFO (RFC2976)	
VMS Settings	DTMF using RTP (RFC2833)	
Account Settings DTMF Settings	Associated DTMF Sequences	
Live View Config	Name Sequence	~
Live view coning		
Detectors		
Applications		
• Events		
• Recordings		
Languages		
System Options		
About		

Tick the required way in which DTMF will be sent. **SIP INFO** packets or as specially marked events in the RTP stream using **RFC 2833**. Click on **Add** at the bottom of the screen to add the digits required to utilise the "open door" function.

Modify DTM	IF Configuration	0
SIP Account: 500V2 D	oor <mark>(</mark> 5200)	
DTMF using SIP IN	FO (RFC2976)	
DTMF using RTP (R	(FC2833)	
DTMF Sequences		
Name	Sequence	
		\sim
		\sim
Add Moo	dify Remove	
[OK Cancel	

Enter a suitable **Name** and the number **Sequence** to open the door, click on **Apply** and **OK** to save.

Modify	DTMF Configuration	0					
SIP Account:	SIP Account: 500V2 Door (5200)						
DTMF usin	ng SIP INFO (RFC2976)						
DTMF usin	ng RTP (RFC2833)						
DTMF Sequ	ences						
Name	Sequence	^					
		\sim					
Name: Sequence:	door open 2580						
	Apply Dismiss						
	OK Cancel						

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6.4. Configure Events

In order to create an event both a recipient and an action rule must be created. A recipient is created before an action rule.

6.4.1. Add a new recipient

Click on **Events** \rightarrow **Recipients** in the left window and in the main window, click on **Add**.

h Basis Cotur	Recipie	nts				0
Basic Setup						~
Video & Audio	Recipients Li Name	st Type	Address	Upload path	User name	
▶ VoIP						^
Live View Config						
Detectors						
Applications						
 ▼ Events Action Rules Recipients Schedules Recurrences 	Add	View	Copy R	emove		\rightarrow
• Recordings						
Languages						
• System Options						
About						

Enter a suitable **Name** for the **Recipient** and ensure that **Type** is set to **SIP**. The **From** and **To** must be chosen. The **From SIP account** should be that created in **Section 6.2**. The **To SIP address** will be the IP Office extension that is to be called. A **Test** can be done to verify the call to the extension before it is saved.

Recipient Setup						
Name:	V2 to Digital					
Type:	SIP V					
From SIP account:	500V2 Door (5200)					
To SIP address:	5201@10.10.40.20					
Test						
Test the connection be address. The call will e	tween the selected SIP account and the specified SIP and automatically.					
Select SIP account: 5	00V2 Door (5200) 🗸 Test					
	OK Cancel					

Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. 20 of 29 AxisDoor_IPO10 A number of different recipients are normal for such a test, where various IP Office endpoints can be called, or perhaps a number of hunt groups.

• Basic Setup	Recipients	5				
	Recipients List					
Video & Audio	Name	Туре	Address	Upload path	User name	
	SE to Ext5101	SIP	5101@10.10.40.25	-		^
VoIP	V2 to Digital	SIP	5201@10.10.40.20	-		
	V2 to H323-5250	SIP	5250@10.10.40.20	-		
Live View Config	V2 to Hunt	SIP	5298@10.10.40.20	-		
	V2 to QSIG	SIP	97000@10.10.40.20	-		
Detectors	V2 to SIP V2 to WinComm	SIP	87101@10.10.40.20 5102@10.10.40.20	-		
Applications						
Events						
Action Rules						\sim
Recipients						
Schedules	Add	View	Copy Remo	ve		
Recurrences						
• Recordings						
Languages						
System Options						
About						

6.4.2. Modify Action Rule

An action rule can now be modified to include the participant created in **Section 6.4.1**. Under **Events** in the left window click on **Action Rules** and in the main window select the **BUTTON: VMS call** rule and click **Modify** as shown below.

Basic Setup	Action Rules					
Video & Audio	Action Rule List					
	Name	Trigger	Schedule	Action	Recipient	
VoIP	AUDIO: Calling	Call - State	-	Play Audio Clip	-	
	AUDIO: Stop on Activ	^{/e} Call - State	-	Stop Audio Clip	-	
Live View Config	AUDIO: Stop on Idle	call Call - State	-	Stop Audio Clip	-	
Detectors	BUTTON: VMS call	Input Signal - Digital Input Port	-	Make Call	-	
Applications	DOOR: REX unlocks	Input Signal - Digital Input Port	-	Output Port	-	
	FailoverTest	Call - StateChange	-	Make Call	-	
Events	LIGHT: Active call	Call - State	-	Activate Light	-	
Action Rules	LIGHT: Calling	Call - State	-	Activate Light	-	\sim
Recipients Schedules Recurrences	Add Copy	/ Modify	Remove			
Recordings						
Languages						
System Options						

The information should reflect what is displayed below, the **General** section should display what is shown by default, and if not change it to what is displayed below or to what condition is required. Under the **Actions** section the **Type** is set to **Make Call** and the **Recipient** is set to that recipient created in **Section 6.4.1**. This will ensure that when the button is pressed a call is made to the recipient. Click on **OK** to save the configuration.

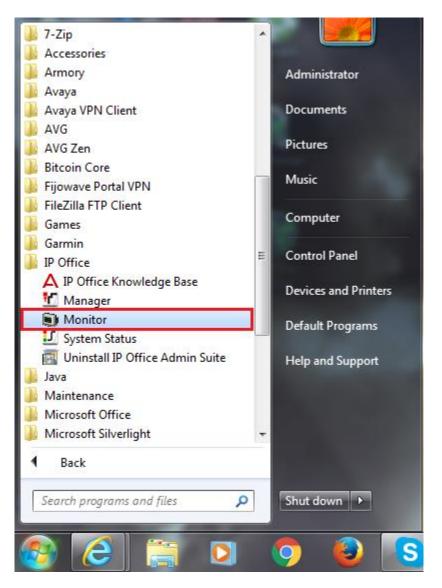
Action Rule	Setup	0
General		
✓ Enable rule		
Name:	BUTTON: VMS call	
Condition		
Trigger:	Input Signal 🗸	
	Digital Input Port	
	Call button (Port 1)	
	Active: Yes No	
Schedule:	Always (No Schedule)	
Additional condition	15	
Actions		
Type:	Make Call	
Recipient:	V2 to Digital V New Recipient	
	OK Cancel	

7. Verification Steps

Pressing the Axis door phone button and answering the call from the IP Office set and ensuring there is two-way speech and video (where possible) is the ultimate verification that the product works and is connected and configured correctly. The steps below can also be taken to ensure that the Axis door phone is registered correctly with IP Office and some monitoring tips to see that this is the case.

7.1. Verify Registration from IP Office

Open IP Office **Monitor** as shown below.



Once connected to the desired IP Office information on SIP calls and registrations will be shown (as long as the correct filter is applies for SIP messaging (not shown)). Below is an example of a message being displayed when a call is made from the door phone to extension **5201** which is a digital phone on IP Office. It clearly shows from **5200** which is the door phone extension number.

File Edit View Filters Status Help
· ► 및 ^ 3 T × III Q 😤 🖀
253143179mS SIP Rx; TCP 10.10.40.202:36245 -> 10.10.40.20:5060
INVITE sip:5201@10.10.40.20;transport=TCP SIP/2.0
Via: SIP/2.0/TCP 10.10.40.202:36245;rport;branch=z9hG4bKPjld0FZe2qFGRPbnEg7gKQISr1fe34Zvnt;alias
Max-Forwards: 70
From: "5200" <sip:5200@devconnect.local>;tag=g5ZcvBsSeZ82eRiYHw8Uhz2TKVjgg6fw</sip:5200@devconnect.local>
To: sip:5201@10.10.40.20 Contact: "5200" <sip:5200@10.10.40.202:36245;transport=tcp:ob></sip:5200@10.10.40.202:36245;transport=tcp:ob>
Call-ID: 7D9oVmXb9N024jml28ge3PZ75M6TD14X
CSeq: 7110 INVITE
Allow: PRACK, INVITE, ACK, BYE, CANCEL, UPDATE, INFO, SUBSCRIBE, NOTIFY, REFER, MESSAGE, OPTIONS
Supported: replaces, 100rel, timer, norefersub
Session-Expires: 1800
Min-SE: 90 User-Agent: AXIS A8004-VE Network Video Door Station
Content-Type: application/sdp
Content-Length: 478
v=0
o=- 3674549777 3674549777 IN IP4 10.10.40.202
s=pjmedia
b=AS:84
t=0 0
a=X-nat:0 m=audio 4012 RTP/AVP 110 0 8 96
c=IN IP4 10.10.40.202
b=TIAS:64000
a=rtcp:4013 IN IP4 10.10.40.202
a=sendrecv
a=rtpmap:110 G726-32/8000
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000 a=rtpmap:96 telephone-event/8000
a=rtpmap:96 0-16
m=video 4014 RTP/AVP 97
c=IN IP4 10.10.40.202
a=rtcp:4015 IN IP4 10.10.40.202
a=sendonly
a=rtpmap:97 H264/90000
a=fmtp:97 profile-level-id=42000d 253143183mS Sip: TCP packet known set owner
ZUSTASIONE SIP. ICE PROKED KNOWN SED OWNEL

7.2. Verify Registration from AXIS A8004-VE Network Video Door Station

Log in to the door phone as per Section 6. Navigate to VoIP \rightarrow Account Settings in the left window and the registration information should be displayed in the main window as shown below. The green lights show a successful registration of both 5200 and 5100. Test call can be made from each account to a specific phone number using the Test SIP Call at the bottom of the screen.

Basic Setup	Account Set	tings				Q
	Name	SIP address	Transport	Default	Reg. status	
Video & Audio	500V2 Door (5200)	5200 <sip:5200@devconnect.local></sip:5200@devconnect.local>	тср	 Image: A start of the start of	•	
• VoIP Overview	SE Door 5100 (5100)	5100 <sip:5100@devconnect.local></sip:5100@devconnect.local>	UDP		۲	
SIP Settings VMS Settings						
Account Settings DTMF Settings						
Live View Config						
Detectors						
Applications	Add Modif	y Remove				
Events	Test SIP Call					
Literes		selected SIP account to the specif		5.		
Recordings	Enter SIP address: sip(s):extension@domain Tes	t call			
Languages						
System Options						

If there is an issue with a call from the Axis door phone then there are logs that can be accessed that may show some further information on where the issue may lie. Navigate to **System Options** \rightarrow **Support** \rightarrow **Logs & Reports** in the left window and from the main window select **View Server Report** under the **Reports** section.

AXIS AXIS A80	04-VE Network Video Door Station Live View Setup Help
→ Basic Setup	Logs & Reports
▶ Video & Audio	The log files and reports may prove useful when troubleshooting a problem or when contacting the Axis support web. Note: Depending on your connection, these pages may take a while to load.
• VoIP	Logs
Live View Config	System Log System log information.
Detectors	Access Log Access log information.
Applications	Reports
• Events	View Server Report Important information about the server's status.
• Recordings	Download Server Report Include snapshot from Live View
Languages	Parameter List The unit's parameters and their current settings.
 System Options Security 	Connection List Connection list information.
Date & Time Network	Crash Report Detailed information about the server's internal status. This report may contain sensitive information. It may take several minutes to download this report, please wait for the download to finish.
 Storage Ports & Devices 	For more information, please read Axis Privacy statement.
Maintenance • Support	
Support Overview System Overview	
Advanced	
About	

This should open a report something like that shown below.

http://10.10.40.202/axis-cgi/admin/serverreport.cgi?id=119 - Internet H	plorer
A http://10.10.40.202/axis-cgi/admin/serverreport.cgi?id=119	A 1 A MARKET AND A
2016-06-10711:44:09.656+01:00 axis-acc28595208 2016-06-10711:44:10.415+01:00 axis-acc28595208 2016-06-10711:47:10.495+01:00 axis-acc28595208 2016-06-10711:47:29.021+01:00 axis-acc28595208 2016-06-10711:47:29.230+01:00 axis-acc28595208 2016-06-10711:47:29.221+01:00 axis-acc28595208 2016-06-10711:47:29.221+01:00 axis-acc28595208 2016-06-10711:54:59.277+01:00 axis-acc28595208 2016-06-10711:55:04.77+01:00 axis-acc28595208 2016-06-10711:55:05.216+01:00 axis-acc28595208 2016-06-10711:55:05.216+01:00 axis-acc28595208 2016-06-10711:55:05.216+01:00 axis-acc28595208 2016-06-10711:55:05.216+01:00 axis-acc28595208 2016-06-10711:55:05.216+01:00 axis-acc28595208 2016-06-10711:55:19.191+01:00 axis-acc28595208 2016-06-10711:55:19.191+01:00 axis-acc28595208 2016-06-10711:55:19.299+01:00 axis-acc28595208 2016-06-10711:56:42.479+01:00 axis-acc28595208 2016-06-10711:56:42.491+01:00 axis-acc28595208 2016-06-10711:56:42.491+00:100 axis-acc28595208 2016-06-10711:56:42.491+00:100 axis-acc28595208 2016-06-10711:56:42.491+00:100 axis-acc28595208 2016-06-10711:56:42.638+01:00 axis-acc28595208 2016-06-10711:56:42.638+01:00 axis-acc28595208 2016-06-10711:56:42.793+01:00 axis-acc28595208 2016-06-10711:56:45.793+01:00 axis-acc28595208 2016-06-10711:56:45.734+01:00 axis-acc28595208 2016-06-10711:56:45.734+01:00 axis-acc28595208 2016-06-10711:56:45.400:00 axis-acc28595208 2016-06-10711:56:45.400:00 axis-acc28595208 2016-06-10711:56:45.400:00 axis-acc28595208 2016-06-10711:56:45.400:00 axis-acc28595208	<pre>NOTICE { actionengined: Removing "TAMPERING: Shock detected" action rule NOTICE } actionengined: Creating "TAMPERING: Shock detected" action rule NOTICE] actionengined: Validating "Make Call" action NOTICE] actionengined: Removing "Make Call" action NOTICE] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] monolith[305]: monolith[305]: HTTP audio/mpeg session terminated from 10.10.40.203 INFO] sipd: Terminated incoming call: In-7-1465556108.292005-VMS INFO] sipd: Terminated incoming call IIn-7-1465556108.292005-VMS INFO] sipd: Iterminated incoming call IIn-7-1465556108.292005-VMS INFO] sipd: Iterminated incoming call: IIn-7-1465556108.292005-VMS INFO] sipd: Iterminated incoming call Okt-4-1465556202.468471-ym.qA7mHoHpZESSqHSWHCH7O-Yr.vq from sip account NOTICE] actionengined: Action rule "LIGHT: Calling" is starting action "Make Call" INFO sipd:IDHN charter LIGHT: Calling" is starting action "Make Call" NOTICE] actionengined: Action rule "LIGHT: Calling" is starting action "Sciwate Light on Calling" NOTICE] actionengined: Action rule "TAMPERI</pre>
2016-06-10T11:56:51.520+01:00 axis-accc8e595208	
<pre><6>Initializing cgroup subsys cpu <6>Initializing cgroup subsys cpuact <5>Linux version 3.18.0 (svc;@eater-x) (gcc versi <6>botconsole [early0] enabled <6>CPU0 revision is: 01019550 (MIPS 34Kc) <6>Determined physical RAM map: <6> memory: 0000000 § 00000000 (usable) <6>Initial not found or emetry - disabling initid </pre>	on 4.7.2 20120820 (prerelease) [gcc-4_7-branch revision 190527] (GCC 4.7.2 Axis release R25/1.25)) #1 SMP F

Information on the call made and the door opening is displayed in the log file.

[INFO] sipd: Terminated incoming call: In-7-1465556105.292005-VMS
[NOTICE	actionengined: Action rule "BUTTON: VMS call" is starting action "Make Call"
[INFO] sipd[1690]: Making call Out-4-1465556202.468471-ym.qA7mHoHgb7ESSqKsiWTc170-Yr.vq from sip_accoun
[NOTICE] actionengined: Action rule "AUDIO: Calling" is starting action "Play Audio Clip"
[NOTICE] actionengined: Action rule "LIGHT: Calling" is starting action "Activate Light on Calling"
[NOTICE] actionengined: Action rule "LIGHT: Idle" is stopping action "Activate Light on Idle"
[NOTICE] actionengined: Action rule "AUDIO: Stop on Active call" is starting action "Stop Audio Clip"
[NOTICE] actionengined: Action rule "LIGHT: Active call" is starting action "Activate Light on Active"
[NOTICE] actionengined: Action rule "LIGHT: Calling" is stopping action "Activate Light on Calling"
[NOTICE	1 actionengined: Action rule "TAMPERING: Shock detected" is starting action "Output Port"
[INFO	sipd: DTMF event door open in call Out-4-1465556202.468471-ym.qA7mHoHgb7ESSqKsiWTc170-Yr.vq.
[INFO	sipd: Terminated outgoing call: Out-4-1465556202.468471-ym.qA7mHoHgb7ESSqKsiWTc170-Yr.vq
[NOTICE] actionengined: Action rule "AUDIO: Stop on Idle call" is starting action "Stop Audio Clip"
[NOTICE] actionengined: Action rule "LIGHT: Active call" is stopping action "Activate Light on Active"
[NOTICE] actionengined: Action rule "LIGHT: Idle" is starting action "Activate Light on Idle"

8. Conclusion

These Application Notes describe the configuration steps for provisioning the AXIS A8004-VE Network Video Door Station from Axis Communications AB to interoperate with Avaya IP Office Server Edition and IP Office 500 V2 expansion R10.0. Please refer to **Section 2.2** for test results and observations.

9. 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.

Product documentation for Avaya products may be found at http://support.avaya.com.

- [1] Avaya IP Office R10.0 Manager, Document Number 15-601011
- [2] Avaya IP Office R10.0 Doc library

Technical information for the AXIS A8004-VE Network Video Door Station can be obtained from:

Axis Communications AB Tel: +46 46 272 18 00 Fax: +46 46 13 61 30 http://www.axis.com/global/en/learning-and-support

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