

Avaya Solution & Interoperability Test Lab

# Application Notes for Aiphone IX Series Audio Door Stations (IX-RS) and Avaya IP Office<sup>TM</sup> – Issue 1.0

### Abstract

These Application Notes describe the procedures for configuring Aiphone IX Series Audio Door Stations (IX-RS) which were compliance tested with Avaya IP Office<sup>TM</sup>.

The overall objective of the interoperability compliance testing was to verify Aiphone IX Series Audio Door Stations (IX-RS) functionalities in an environment comprised of Avaya IP Office<sup>TM</sup> and various Avaya endpoints. Aiphone IX Series Audio Door Stations are SIP based door phones.

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 required for Aiphone IX Series Audio Door Stations (IX-RS) to interoperate with Avaya IP Office (IP Office). During the compliance testing, Aiphone IX-RS was used.

The Aiphone IX Series Audio Door Stations (IX-RS) are part of Aiphone IX Series 2 Door Stations. The Audio Door Stations act as SIP phones when connected to IP Office. Stations come in both surface mount and flush mount varieties, please see **Appendix A** regarding various versions of IX-RS devices. All door stations have dry contacts that can be used to release doors when activated by another intercom or phone. The dry contacts can also be used to trigger external signaling devices, such as strobes.

During the compliance test, Avaya IP Office Server Edition was used as a primary system and Avaya IP Office 500V2 as an expansion system. Aiphone IX-RS registered as a 3<sup>rd</sup> party SIP phone using UDP to the Avaya IP Office Server Edition.

# 2. General Test Approach and Test Results

The focus of this interoperability compliance testing was to verify that the Aiphone IX-RS can register as a SIP endpoint on IP Office, and is able to originate and receive audio calls to and from the IP Office system.

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 recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in these DevConnect Application Notes included the enablement of supported encryption capabilities in the Avaya products. Readers should consult the appropriate Avaya product documentation for further information regarding security and encryption capabilities supported by those Avaya products.

Support for these security and encryption capabilities in any non-Avaya solution component is the responsibility of each individual vendor. Readers should consult the appropriate vendor-supplied product documentation for more information regarding those products.

For the testing associated with these Application Notes, the interface between Avaya systems and Aiphone did not utilize secure capabilities.

### 2.1. Interoperability Compliance Testing

The general test approach was to place calls to and from, Aiphone IX-RS, and exercise basic telephone operations. The main objectives were to verify the following:

- Registration
- Calls to/from Avaya SIP Audio endpoints
- Calls to/from Avaya H.323 Audio endpoints
- Calls to/from Avaya Digital & Analog endpoints
- Calls to/from PSTN via SIP Trunks
- Call termination (origination/destination)
- Serviceability

### 2.2. Test Results

The test objectives were verified, and the features tested worked as expected.

### 2.3. Support

For technical support on Aiphone IX-RS, please contact Aiphone via the following: **Japan** 

- Web: <u>https://www.aiphone.co.jp/</u>
- Phone: 052-228-9961

### USA, Canada

- Web: <u>https://www.aiphone.com/home</u>
- Email: tech@aiphone.com
- Phone: 800-692-0200

#### France

- Web: <u>https://www.aiphone.fr/</u>
- Phone: 01 69 11 46 00

### Australia, New Zealand

- Web: <u>https://www.aiphone.com.au/</u>
- Phone: (02)80364507

### Singapore

- Web: <u>http://www.aiphone.com.sg/</u>
- Email: admin@aiphone.com.sg
- Phone: 6534-1135

### **United Kingdom**

- Web: <u>https://www.aiphone.co.uk/</u>
- Phone: 020-7507-6250

# 3. Reference Configuration

**Figure 1** illustrates a sample configuration consisting of Avaya IP Office components and Aiphone IX-RS.

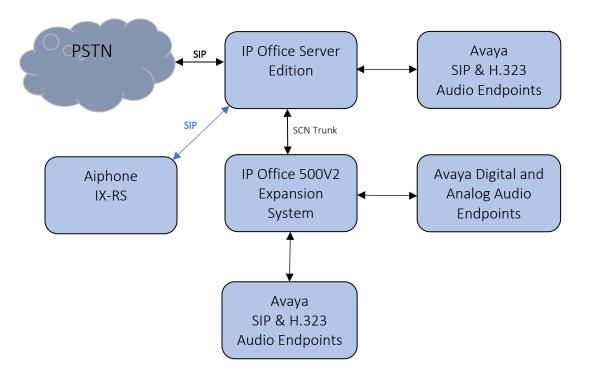


Figure 1: Test Configuration of Aiphone IX-RS with Avaya IP Office

## 4. Equipment and Software Validated

The following equipment and software were used for the test configuration.

Equipment	Software/Firmware
Avaya IP Office Server Edition	11.0.4.0.0 build 74
Avaya IP Office 500V2	11.0.4.0.0 build 74
Avaya IP Office Manager	11.0.4.0.0 build 74
Avaya 9600 Series H.323 IP Deskphones	6.8002
Avaya J129 SIP Phone	4.0.0.21
Avaya IX Workspace	3.7.0.102.3
Avaya H175 Collaboration Station	1.0.2.3
Avaya Vantage K175 Phone	3.5.0
Avaya 9504 Digital Phone	0.55
Avaya 6210 Analogue Telephone	-
Aiphone IX Series Audio Door Station IX-RS	3.00.

**Note:** Compliance Testing is applicable when the tested solution is deployed with a standalone IP Office 500 V2 and also when deployed with IP Office Server Edition in all configurations.

## 5. Configure Avaya IP Office™

This section provides the procedures for configuring IP Office. The procedures include the following areas:

- Verify IP Office license
- Obtain LAN IP address
- Administer SIP registrar
- Administer SIP extensions
- Administer SIP users

These steps are performed from the Avaya IP Office Manager.

### 5.1. Verify IP Office License

From a PC running the Avaya IP Office Manager application, select **Start**  $\rightarrow$  **All Programs**  $\rightarrow$  **IP Office**  $\rightarrow$  **Manager** to launch the Manager application. Select the proper IP Office system if there are more than one IP Office system, and log in with the appropriate credentials.

The Avaya IP Office Manager screen is displayed. From the configuration tree in the left pane, select License  $\rightarrow$  3<sup>rd</sup> Party IP Endpoints to display available licenses in the right pane. Verify that the License Status field is set to Valid for 3<sup>rd</sup> Party IP Endpoints feature.

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Configuration						- <sup>10</sup>	×   ✓   <
BOOTP (15)	License Remote Server						
Ø Operator (3) Solution	PLDS File Status Valid						
User(17)	Select Licensing Valid						
Group(2)	Select Licensing Valia						
Short Code(45)  Sirectory(0)	Feature	Instances	Status	Expiration Date	Source	^	Add
Time Profile(0)	Receptionist	10	Valid	Never	PLDS Nodal		
Account Code(0)	Additional Voicemail Pro Ports	252	Valid	Never	PLDS Nodal		Remove
	VMPro Recordings Administrators	1	Valid	Never	PLDS Nodal		
ServerEdition	Office Worker	1000	Valid	Never	PLDS Nodal		
🗄 🖘 System (1)	VMPro TTS Professional	40	Valid	Never	PLDS Nodal		
⊞ रि Line (3)	Power User	1000	Valid	Never	PLDS Nodal		
Control Unit (9)	Avaya IP endpoints	1000	Valid	Never	PLDS Nodal		
⊕ 4 Extension (13) ⊕ 1 User (14)	SIP Trunk Channels	256	Valid	Never	PLDS Nodal		
Group (2)	CTI Link Pro	1	Valid	Never	PLDS Nodal		
Short Code (3)	3rd Party IP Endpoints	1000	Valid	Never	PLDS Nodal		
	Server Edition	150	Valid	Never	PLDS Nodal		
Incoming Call Route (3)	UMS Web Services	1000	Valid	Never	PLDS Nodal		
IP Route (1)     License (23)	Avaya Mac Softphone	1000	Valid	Never	PLDS Nodal		
	Avaya Softphone Licence	1000	Valid	Never	PLDS Nodal		
Location (0)	SM Trunk Channels	128	Valid	Never	PLDS Nodal		
Authorization Code (0)	Web Collaboration	64	Valid	Never	PLDS Nodal		
IP500∨2	Avaya Contact Center Select	1	Valid	Never	PLDS Nodal		
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### 5.2. Obtain LAN IP Address

From the configuration tree in the left pane, select **System** to display the System screen in the right pane. Select the **LAN1** tab, followed by the **LAN Settings** sub-tab in the right pane. Make a note of the **IP Address**, which will be used later to configure Aiphone IX-RS.

扰 Avaya IP Office Select Manager for	Server Edition ServerEdition [11.0.4.0.0 build 74]	⇔ –
File     Edit     View     Tools     Help       ServerEdition <ul> <li>System</li> <li></li></ul>	ServerEdition	
Configuration	E ServerEdition	→ → □   ×   ✓   <   >
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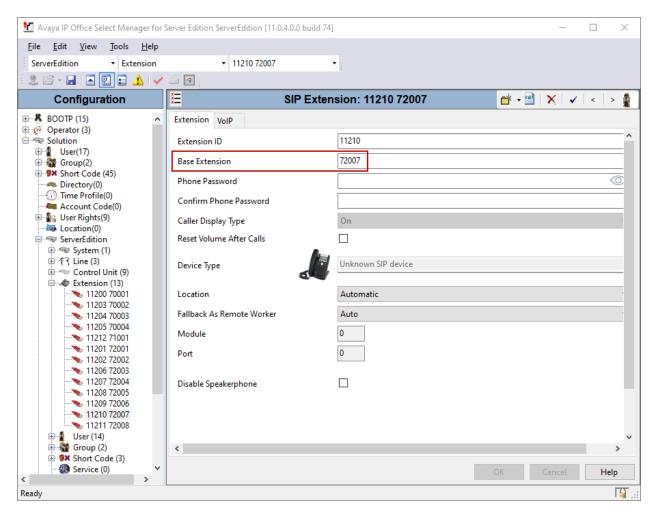
## 5.3. Administer SIP Registrar

Continuing from above, select the **VoIP** sub-tab. Ensure that **SIP Registrar Enable** is checked, as shown below.

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BOOTP (15)     Operator (3)     Solution     User(17)     Short Code(45)     Directory(0)     Time Profile(0)     Account Code(0)     ServertGittion     System (1)	System       LAN1       LAN2       DNS       Voicemail       Telephony       Directory Services       System Events       SMTP       SMDR       VolP         LAN Settings       VolP       Network Topology <t< td=""><td>Contact Center A</td><td>Naya I F</td></t<>	Contact Center A	Naya I F
	SIP Registrar Enable       SIP Registrar Enable         Auto-create Extension/User       SIP Remote Extension Enable         Allowed SIP User Agents       Block blacklist only         SIP Domain Name       avaya.com         SIP Registrar FQDN	e	

### 5.4. Administer SIP Extensions

To create a new SIP Extension, from the configuration tree in the left pane, right-click on **Extension**, and select **New**  $\rightarrow$  **SIP Extension** from the pop-up list (not shown). Enter desired digits for the **Base Extension** field. This is the Extension that will be used for Aiphone IX-RS to log in.



### 5.5. Administer SIP Users

To create a new SIP User, from the configuration tree in left pane, right-click on **User**, and select **New** from the pop-up list (not shown). Enter desired values for the **Name** field. For the **Extension** field, enter the SIP extension created in **Section 5.4**.

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E Short Code (45)	Confirm Password	
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← Account Code(0) ⊕ ∯ User Rights(9)	Conference PIN	
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User (14)	Extension 72007	
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Short Code (3)		OK Cancel Help
Ready		II.::

Select the **Supervisor Settings** tab, and enter a desired **Login Code** and **Confirm Login Code**. This code will be used as a password for Aiphone IX-RS.

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BOOTP (15) ▲	User Voicemail DND	Short Codes Source Numb	Telephony Forwarding	Dial In Voice Recording But
Solution	Call Settings Supervisor	Settings Multi-line Options C	all Log TUI	
🗄 🎆 Group(2)	Login Code	•••••	Force Login	
Short Code (45)     Directory(0)	Confirm Login Code	•••••		
Time Profile(0)	Login Idle Period (sec)		Force Account Code	
🗄 📲 User Rights(9)	Monitor Group	<none> ~</none>	Force Authorization	Code
	Coverage Group	<none> ~</none>	Incoming Call Bar	
⊕	Status on No-Answer	Logged On (No change) $\sim$	Outgoing Call Bar	
🖅 🤝 Control Unit (9)			Inhibit Off-Switch Fo	orward/Transfer
⊞	Privacy Override Group	<none> ~</none>	Can Intrude	
NoUser	- Reset Longest Idle Time	2	Cannot Be Intruded	
72002 APIXEA	All Calls		Can Trace Calls	
	External Incoming		Deny Auto Intercom	Calls
72005 APIXSPMIC				
⊞∰ Group (2) ⊞¶× Short Code (3) ✓				OK Cancel Help
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Ready				

## 6. Configure Aiphone IX Series Audio Door Station

This section provides steps to configure Aiphone IX-RS.

To configure Aiphone IX-RS, using a web browser, navigate to <u>https://<IP Address of IX-RS>/webset.cgi?login</u> and log in using appropriate credentials.

AII	PHONE IX System
ID: Password:	Enter ID and password Login
Copyright© 2	2012-2019 AIPHONE Co.,Ltd. All rights reserved.

Once logged in, for the **Number** field, type in the SIP extension that is being configured (from **Section 5.4**), and a desired **Name.** Select **Update** to save change.

AIPHONE IX Sys Category: Handset Sub Station	tem Setting Station Type: IX-RS-*		🗣 Üpdate
Station Information	^ 	Station Information	DI
Identification ID and Password			♦ Required Setting
<u>Language</u> <u>Time</u> <u>Expanded System</u>			
Network Settings	•Identification		
IP Address DNS	Number + Name	72007 IX-RS	3-5 digits 1-24 alphanumeric characters
<u>SIP</u> <u>Audio</u>	Location		1-24 alphanumeric characters

From the left, select **Network Settings**  $\rightarrow$  **SIP** and configure as follows:

- SIP Signaling Port: Set to 5060.
- User Agent: Type in a desired value.
- **ID:** SIP Extension number from **Section 5.4**.
- **Password:** SIP Extension password from **Section 5.4**.
- IPv4 Address: LAN IP Address of IP Office from Section 5.2.
- **Port:** Set to **5060**.

Once done, select **Update** to save changes.

AIPHONE IX System Category: Handset Sub Station	em Setting Station Type: IX-RS-*		> Update
Station Information		Network Settings	
ID and Password	•SIP		
Language	SIP Connections		
<u>Time</u>	SIP Signaling Port+	5060	1-65535
Expanded System	User Agent	IX-RS	1-36 alphanumeric characters
Network Settings			
IP Address DNS	SIP Server		
SIP			
Audio	Primary Server ID	72007	1-24 alphanumeric characters
Packet Priority	Password	•••••	1-24 alphanumeric characters
NTP	IPv4 Address	10.64.110.65	1.0.0.1-223.255.255.254 or hostname(1-64 alphanum
System Information	IPv6 Address		::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFF
Custom Sound Registry	Port+	5060	1-65535

From the left, select **Call Settings**  $\rightarrow$  **Station Settings** and configure as follows: The numbers configured here will be dialed when the button on the IX-RS is pressed.

- **Station Number:** Type in an extension number on IP Office that will be called for a given line.
- **IPv4:** Type in the LAN IP Address from **Section 5.2**.
- Station Type: Set to VoIP Phone.

Select **Update** to save changes.

AIPHONE IX Syst	em Setting Station Type: IX-RS-*				⇒ Update
Station Information			Call Settings		
Identification ID and Password	Station Information—				
<u>Language</u> <u>Time</u> <u>Expanded System</u>	Call Button Function "Cancel Call, End Con	Call, Answer Call, End Commu mmunication" disabled when using O		<b>v</b>	
Network Settings					
IP Address DNS	Called Stations (for Do	or)			
<u>SIP</u> <u>Audio</u> Packet Priority	Option Input #:	Group 01	~		
NTP		be 3-5 digits. (3-32 digits for VoIP Ph			
<u>System Information</u> <u>Custom Sound Registry</u>	IPv6 must be ::FF:0-F	223.255.255.254 or hostname(1-64 al EFF:FFFF:FFFF:FFFF:FFFF:FFFF: ver IP address for VoIP Phone, set on	FFF:FFFF or hostname(1-64 alphanumer	ic characters).	
Call Settings	Station Type must be " U = Unicast, M = Mul	'VoIP Phone" when calling via SIP se ticast	erver.		
Station Settings Called Stations (for Door)				<ul> <li>to use Door Release while in communic IX-BA, IX-SS(-*) is under Called Station</li> </ul>	
Call Origination			TD ( ) 11	The state	
Incoming Call	#	Station Number	IPv4 Address 10.64.110.65	IPv6 Address	Station Type
Option Input / Relay Output Settings	2				
Output Settings Option Input	3				~

# 7. Verification Steps

The following steps may be used to verify the configuration:

• From a PC running the Avaya IP Office Monitor application. The Avaya IP Office SysMonitor screen is displayed (not shown). Select Status → SIP Phone Status from the top menu. Verify the SIP extension added from Section 5.4 is displayed and the Status is SIP: Registered.

T D						) 3 secs for update			
Total Registe	red: 12		H	egistered Status					
Extn Num	User Num	Phone Type	Security	IP Address	Transport	User Agent	Licensed	SIP Options	Status
70001	70001	J129 SIP	disable	10.64.10.224	TCP	Avaya J129 IP Phone 4.0.0.0.21 (21)	Avaya IP	RU	SIP: Registered
72001	72001	SIP	disable	10.64.10.40	UDP	IX-MV7	3rd Party IP	RU	SIP: Registered
72002	72002	SIP	disable	10.64.10.41	UDP	IX-DV	3rd Party IP	RU	SIP: Registered
70002	70002	VANTAG	disable	10.64.10.223	TCP	Avaya Communicator Android/3.5.0	Avaya IP	RU	SIP: Registered
70003	70003	H175 SIP	disable	10.64.10.222	TCP	Avaya H175 Collaboration Station	Avaya IP	RU	SIP: Registered
72003	72003	SIP	disable	10.64.10.43	UDP	IX-EA	3rd Party IP	RU	SIP: Registered
72004	72004	SIP	disable	10.64.10.44	UDP	IX-FA	3rd Party IP	RU	SIP: Registered
72005	72005	SIP	disable	10.64.10.45	UDP	IX-SPMIC	3rd Party IP	RU	SIP: Registered
72006	72006	SIP	disable	10.64.10.46	UDP	IX-SSA	3rd Party IP	RU	SIP: Registered
72007	72007	SIP	disable	10.64.10.49	UDP	IX-RS	3rd Party IP	RU	SIP: Registered
72008	72008	SIP	disable	10.64.10.42	UDP	IX-SS-2G	3rd Party IP	RU	SIP: Registered
\$1.70001	70001	EQNX D	disable	10.64.10.48	TCP	Avaya Communicator/3.0 (3.6.4.31	Avaya Softph	RU	SIP: Registered
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c i i i i i i i i i i i i i i i i i i i									

• Place a call from Aiphone IX-RS to an Avaya endpoint. The state of the call be viewed on a PC running the Avaya IP Office System Status application. Select Extensions → Aiphone IX-RS extension.

etp Snapshot LogOff Exit About         I Hard Disks         I Hard Disks         I VolP Trunks (2)         I SV Extensions         I SV Extensions (1)         Column (1)         I Atams (7)         I Atams (7) </th <th>AVAYA</th> <th></th> <th>TD 0//</th> <th></th> <th>o</th> <th></th>	AVAYA		TD 0//		o	
Extension Status         Extension Status         Extension Status         Extension Status         Extension Number:       72007         Padress:       10.64.10.49         Standard Location:       None         Registra:       Primary         Gadress:       D.64.10.49         Standard Location:       None         Registra:       D.64.10.49         Standard Location:       None         Registra:       D.64.10.49         Standard Location:       None         Colspan="2">Colspan="2"         Standard Location:       Colspan="2"         Colspan="2"       Colspan="2"         Colspan= 2       Colspan= 2       Colspan= 2         Colspan= 2       Colspan= 2       Colspan= 2       Colspan= 2	-		IP Of	fice System s	Status	
If work frame       Extension Status         If vork frame       Extension Number:       7207         If work frame       Paddress:       10.64.10.49         Standard Location:       None         Registrat:       Primary         Guarantined Phy       Dephone Type:         Unrent User Agent SIP header:       DX-RS         Registrat:       RTP         User Agent SIP header:       DX-RS         Media Stream:       RTP         User Angent SIP       Off         Travel Agent SiP       Off         Travel Agent SiP       Off         Travel Agent SiP       None         SIP Device Features:       REFR_UPDATE         Locations       SiP Device Features:       REFR_UPDATE         Locations       Jitter:       Connection Type:       RTP Relay         Jovicersa       No       No </th <th>lelp Snapshot LogOff Exit</th> <th>About</th> <th></th> <th></th> <th></th> <th></th>	lelp Snapshot LogOff Exit	About				
II 3/32 Extensions         II SIP Extensions         VolP Security         Quarantined Pho Biscklisted Addr         Biscklisted Addr         Biscklisted Addr         Biscklisted Addr         Cohen Signed Signe	🖬 Hard Disks	Extension Number	72007	Extension Status		
Outsrantined Pho Blacklisted Exter     Registrar:     Primary       Blacklisted Exter     Telephone Type:     Unknown SIP Device       Blacklisted Exter     User-Agent SIP header:     IX-RS       Media Stream:     RTP       Layer 4 Protocol:     UDP       Current User Namer:     APDRS       Forwarding:     Off       Tool     Current User Namer:       Privacing:     Off       Tool     Twining:       Do Not Disturb:     Off       Phone Manager Type:     None       SipD Evice Features:     REFR, UPDATE       Users Agent Sint     No       Last Date and Time License Allocated:     11/14/2019 4:44:26 AM       DTWF Required:     No       Volicemail     No       Volicemail     Connection Type:     RTP Relay       Jitter:     Connection Type:     G11.0.020	SIP Extensions	IP address:	10.64.10.49			
A Atarms (7)       Dele registric in reader:       DATAGE         F & Atarms (7)       Extension (13)       RP         Layer 4 Protocol:       UDP         Current User Extension Number:       72007         70001       Current User Name:       APD/RS         70003       Forwarding:       Off         70004       Twinning:       Off         72005       Do Not Disturb:       Off         72006       Phone Manager Type:       None         72006       SIP Device Features:       REFER,UPDATE         Ucense Reserved:       No         Last Date and Time License Allocated:       11/14/2019 4:44:26 AM         DTMF Required:       No         Locations       Connection Type:       RTP Relay         Jitter:       Codec:       G711 Mu         Resources       Uternet State       Time in State       Caling Number or Caled         Voicemail       Connected       00:00:15       78001       Outgoing         Locations       Connected       00:00:15       78001       Outgoing	Quarantined Pho Blacklisted Exter					
70001     Layer 4 Protocol:     LDP       70001     Current User Extension Number:     72007       70002     Current User Name:     APIXRS       70003     Forwarding:     Off       70001     Twinning:     Off       72002     Do Not Disturb:     Off       72003     Phone Manager Type:     None       72004     Phone Manager Type:     None       72005     SIP Device Features:     REFER, UPDATE       Licase Reserved:     No       1/2007     Zo08       72008     DTMF Required:     No       1/2007     Zo08       7/1014     Time in State     Colling Number or Called       1/14/2019     491     Connected     00:00:15       7/2005     Call Ref     Current State     Time in State       Calling Number     Colling Number or Called     Direction     Other Party on Call	🍓 Alarms (7)	Media Stream:	RTP			
70003 74001       Forwarding:       Off         72001 72002       Oht Disturb:       Off         72003       Phone Manager Type:       None         72006       SIP Device Features:       REFER, UPDATE         License Reserved:       No         122007       License Reserved:       No         72008       DTWF Required:       No         72008       DTWF Required:       No         72008       License Reserved:       No         72008       License Reserved:       No         72008       License Reserved:       No         72008       License Reserved:       No         1372004       Packet Loss Fraction:       Connection Type:       RTP Relay         Jitter:       Codec:       G711 Mu         Voicemail       IP Metworking       Round Trip Delay:       Remote Media Address:       10.64.10.202         Call Ref       Current State       Time in State       Calling Number or Called       Direction       Other Party on Call         491       Connected       00:00:15       78001       Outgoing       Line: 3 SIP avaya.com Group: 1	70001 70001	Current User Extension Number:	72007			
72001     Do Not Disturb:     Off       72002     Do Not Disturb:     Off       72003     Phone Manager Type:     None       72004     SIP Device Features:     REFER, UPDATE       72006     SIP Device Features:     No       72007     T2008     DTMF Required:     No       72008     DTMF Required:     No       Packet Loss Fraction:     Connection Type:     RTP Relay       Jitter:     Codec:     G711 Mu       Voicemail     IP Networking     Direction     Other Party on Call       Locations     Call Ref     Current State     Time in State     Calling Number or Called     Direction       491     Connected     00:00:15     78001     Outgoing     Line: 3 SIP avaya.com Group: 1	70003	Forwarding:	Off			
72004       72006         72006       SIP Device Features:       REFER,UPDATE         72007       11/14/2019 4:44:26 AM         72008       DTMF Required:       No         Trunks (3)       Active Calls         Resources       Voicemail         Voicemail       IP Networking         Locations       Call Ref       Current State         Time in State       Calling Number or Called       Direction         Value       00:00:15       78001       Outgoing         491       Connected       00:00:15       78001       Outgoing         Une: 3 SIP avaya.com Group: 1       1	72002	Do Not Disturb:	Off			
Fi2007 72008       IUCe for Reserveu:       IUCe         Trunks (3) Active Calls Resources Voicemail IP Networking Locations       DTMF Required:       No         Call Ref       Current State       Time in State       Calling Number or Called         Direction       Other Party on Call         Number       491       Connected       00:00:15	72004 72005					
Trunks (3) Active Calls Resources     DTMF Required: No       Packet Loss Fraction:     Connection Type: RTP Relay       Jitter:     Codec: G711 Mu       Voicemail IP Networking Locations     Remote Media Address: 10.64.10.202       Call Ref     Current State     Time in State     Calling Number or Called     Direction     Other Party on Call       491     Connected     00:00:15     78001     Outgoing     Line: 3 SIP avaya.com Group: 1	▶ 72007			I		
Voicemail IP Networking Locations       Round Trip Delay:       Remote Media Address:       10.64.10.202         Call Ref       Current State       Time in State       Calling Number or Called       Direction       Other Party on Call         491       Connected       00:00:15       78001       Outgoing       Line: 3 SIP avaya.com Group: 1	Trunks (3) Active Calls	Packet Loss Fraction:	No			
Connected     Intervisite     State     Direction     Outgoing       491     Connected     00:00:15     78001     Outgoing     Line: 3 SIP avaya.com Group: 1	Voicemail					
	Locations			Number		
		491 Connected	00:00:15	78001	Outgoing	Line: 3 SIP avaya.com Group: 1 C
> Trace All Pause Pring Call Details Print Save As		Irace Trace All Pause	Ping <u>C</u> all Details	Print Save A	s	

## 8. Conclusion

Aiphone IX-RS was compliance tested with Avaya IP Office. Aiphone IX-RS functioned properly for feature and serviceability.

# 9. Additional References

Avaya IP Office product documentation can be found at: https://ipofficekb.avaya.com/

Documentation related to Aiphone IX-RS can be found at: Japan: <u>https://www.aiphone.co.jp/products/business/ix/</u> USA, Canada: <u>https://www.aiphone.com/home/products/ix-series</u> France: <u>https://www.aiphone.fr/catalogue/interphonie-ip-protocole-sip-ix/</u> Australia, New Zealand: <u>https://www.aiphone.com.au/product/ix/</u> Singapore: <u>http://www.aiphone.com.sg/</u> United Kingdom: <u>https://www.aiphone.co.uk/featured\_item/ix2/</u>

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# Appendix A

Following devices are based on the same firmware as IX-RS:

- IX-RS-B
- IX-RS-W

The difference in each IX-RS devices is their color:

- IX-RS-B
  - o Black
- IX-RS-W
  - White

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