Avaya Solution & Interoperability Test Lab

Application Notes for Algo 1097-70SS Push-To-Talk Handset with Avaya 1100 Series IP Deskphones – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Algo 1097-70SS Push-To-Talk Handset with Avaya 1100 Series IP Deskphones.

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 Algo 1097-70SS Push-to-Talk (PTT) handset to interoperate with Avaya 1100 Series IP Deskphones. Algo 1097-70SS Push-to-Talk handset is a fully-compatible handset replacement solution for Avaya 1100 Series Deskphones. Built from original Avaya handsets, the 1097-70SS provides a reliable and easy-to-use solution for applications where it is important to prevent background noise and conversations from being heard by the far end.

2. General Test Approach and Test Results

The feature test cases were performed manually. Calls were placed manually from the 1100 Deskphones using SIP and Unistim firmware with the 1097-70SS PTT handset to internal extension, external destination and to PSTN.

The serviceability test cases were performed manually by disconnecting and reconnecting the 1097-70SS PTT handset from the 1100 Deskphone and restarting the 1100 Deskphones.

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 interoperability compliance test included feature and serviceability testing. The feature testing included basic call, codec negotiation G.711MU and G.729, Hold and Retrieve, external caller and PSTN, interactions with voice messaging, blind transfer, supervised transfer and conference calls.

The serviceability test cases were performed manually by disconnecting and reconnecting the 1097-70SS PTT handset from the 1100 Deskphone and restarting the 1100 Deskphones.

2.2. Test Results

All test cases were executed and passed.

2.3. Support

Technical support on Algo 1097-70SS Push-to-Talk handset can be obtained through the following:

- Phone: + 1 604 454 3792
- Web: http://www.algosolutions.com/support/support.html
- Email: support@algosolutions.com

3. Reference Configuration

Figure 1 illustrates the test configuration used during the compliance testing of Algo 1097-70SS Push-to-Talk (PTT) handset with Avaya 1100 Series IP Deskphones. Incoming and outgoing calls were established between 1100 IP Deskphones with Algo 1097-70SS PTT handset,local stations, external destinations via SIP trunk, and to simulated PSTN via PRI trunk as shown in the diagram. All SIP Trunks to Session Manager from Communication Server 1000 Signaling Gateway and Aura Messaging was SIP TLS.
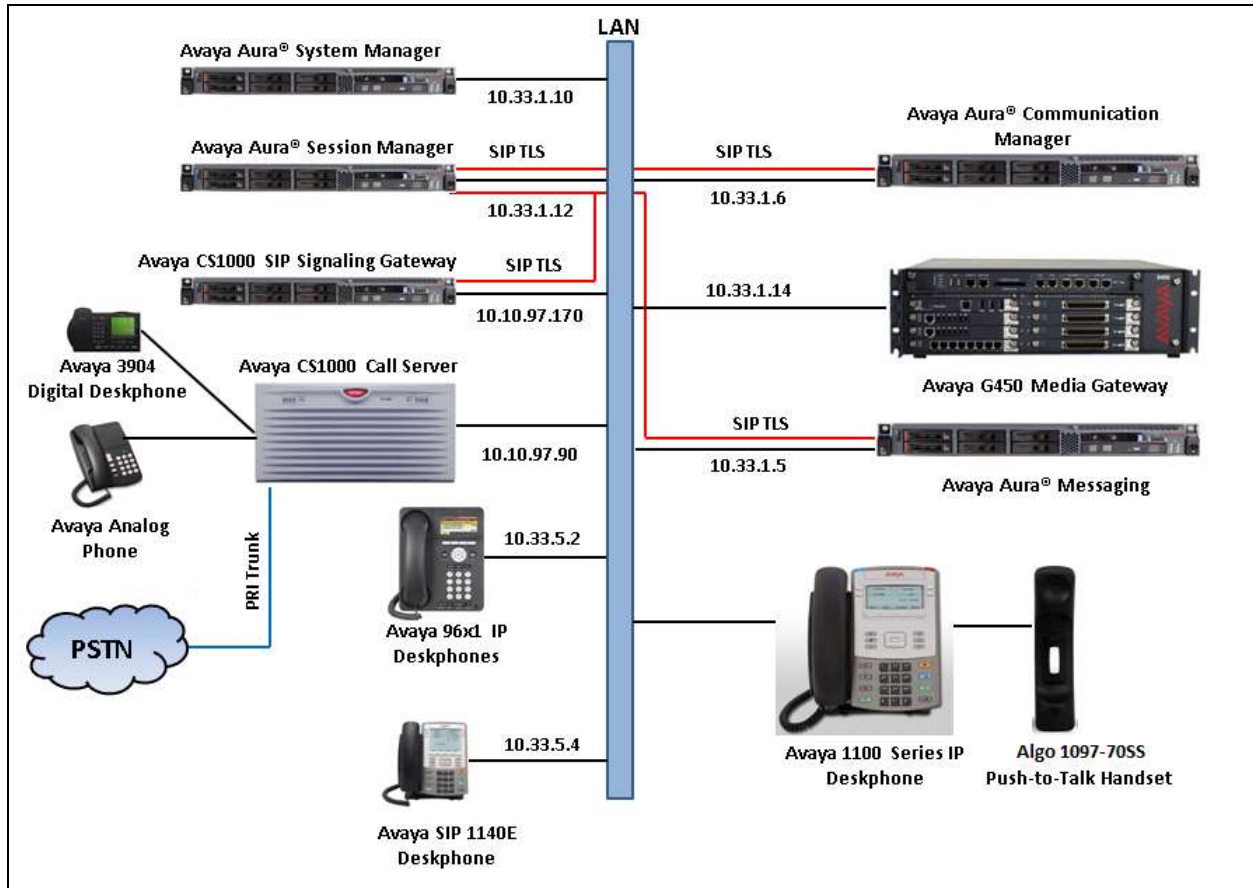
Figure 1: Compliance Testing Configuration

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® Communication Manager in Virtual Environment	7.0.0.3.0-SP3 (R017x.00.0.441.0)
Avaya G450 Media Gateway	37 .21 .0 /1
Avaya Aura® Media Server in Virtual Environment	7.7.0.292
Avaya Aura® Session Manager in Virtual Environment	7.0.0.2.700201
Avaya Aura® System Manager in Virtual Environment	7.0.0.2
Avaya Aura® Messaging in Virtual Environment	6.3
Avaya Communication Server 1000	7.6 SP7
Aavya 1100 Series IP Deskphones	Unistim 5.5.6 SIP: 4.4 SP5
Avaya IP Deskphones: • 9641 (H.323) • 9621 (SIP)	6.6115 7.0.0.39
Avaya 3904 Digital Deskphone	N/A
Avaya Analog Deskphone	N/A
Algo 1097-70SS PTT Handset	N/A

5. Configure 1100 Series IP Deskphones

The document assumes the 1100 IP Deskphones are already configured and register successfully to Avaya Communication Server 1000 as Unistim and SIP endpoints and register to Session Manager as a SIP endpoint. For details of how to configure the 1100 IP Deskphone, refer to **Section 9**.

6. Configure Algo 1097-70SS PTT Handset

There is no special configuration for the Algo 1097-70SS PTT handset. Remove the original handset of 1100 Series IP Deskphones and replace it with the Algo 1097-70SS PTT handset.

7. Verification Steps

This section provides tests that can be performed to verify proper function of Algo 1097-70SS PTT handset and Avaya 1100 Series Deskphones.

1. From the 1100 Series IP Deskphone, pick up the Algo 1097-70SS PTT handset. Dial tone should be heard through the 1097-70SS PTT handset.
2. Place an internal call to a local extension, the ring back tone is heard through the 1097-70SS handset.
3. Answer the call on the local extension, during the call press the PTT button on the 1097-70SS handset and speak as usual they audio should be transmitted and the local extension should hear the conversation clearly.
4. Release the PTT button, the local station now cannot hear the conversation it should be one way audio from the local extension to the 1100 Deskhhone.
5. Repeat the steps above for different types of call such as external call via SIP and PSTN calls and with different type of phone such as analog and digital phone.

8. Conclusion

These Application Notes describe the configuration steps required for Algo 1097-70SS Push-to-Talk button to successfully interoperate with Avaya 1100 Series IP Deskphones. All feature and serviceability test cases were completed successfully.

9. Additional References

This section references the product documentation relevant to these Application Notes.

1. *Implementing Avaya Aura® Session Manager* Document ID 03-603473.
2. *Administering Avaya Aura® Session Manager*, Doc ID 03-603324.
3. *Deploying Avaya Aura® System Manager*, Release 7.0.
4. *Administering Avaya Aura® System Manager for Release 7.0*, Release 7.0.
5. *Avaya Communication Server 1000 IP Deskphones Fundamentals Release 7.6 Issue 09.05 Standard July 2015*.
6. *Avaya 1140E IP Deskphone User Guide Document Status Standard Document Version 07.01 Issue NN43113-106 March 2013*.
7. *Administering Avaya Aura® Communication Manager*, Release 7.0, 03-300509.
8. *Avaya Aura® Communication Manager Feature Description and Implementation*, Release 7.0, 555-245-205.

To obtain information on documents related to Algo 1097-70SS PTT handset, refer to **Section 2.3**.

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