



## Avaya Solution & Interoperability Test Lab

---

# Application Notes for Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System with Avaya one-X® Agent - Issue 1.0

### Abstract

These Application Notes describe the configuration steps required to integrate the Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System with Avaya one-X® Agent. Plantronics Hub Software enables the integrated call control features for Plantronics Voyager 6200 UC Bluetooth Neckband Headset, including call answer/end and synchronized mute, with Avaya one-X® Agent. The Plantronics Hub Software was installed on the desktop PC running one-X® Agent. Plantronics Voyager 6200 UC Neckband Headset connected via Bluetooth to a Plantronics BT600 Bluetooth USB Adapter connected to the desktop PC running one-X® Agent.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as the 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 to integrate the Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System with Avaya one-X® Agent. Plantronics Hub Software enables the integrated call control features for Voyager 6200 UC, including call answer/end and synchronized mute, with Avaya one-X® Agent. The Plantronics Hub Software was installed on the desktop PC running one-X® Agent. Voyager 6200 UC connected via Bluetooth to a Plantronics BT600 Bluetooth USB Adapter connected to the desktop PC running one-X® Agent.

Refer to the appropriate Plantronics documentation listed in **Section 0** for additional product information.

## 2. General Test Approach and Test Results

The interoperability compliance test included feature and serviceability testing. The feature testing focused on placing calls to and from one-X Agent using the Plantronics Hub Software and Voyager 6200 UC and verifying 2-way audio. The type of calls made included calls to voicemail, to local stations, and to the PSTN.

The serviceability testing focused on verifying the usability of Voyager 6200 UC after restarting the Avaya one-X Agent, disconnecting and reconnecting the headset, and rebooting the PC.

Avaya's formal testing and Declaration of Conformity is provided only on the headsets/handsets that carry the Avaya brand or logo. Avaya may conduct testing of non-Avaya headset/handset to determine interoperability with Avaya phones. However, Avaya does not conduct the testing of non-Avaya headsets/handsets for: Acoustic Pressure, Safety, Hearing Aid Compliance, EMC regulations, or any other tests to ensure conformity with safety, audio quality, long-term reliability or any regulation requirements. As a result, Avaya makes no representations whether a particular non-Avaya headset will work with Avaya's telephones or with a different generation of the same Avaya telephone.

Since there is no industry standard for handset interfaces, different manufacturers utilize different handset/headset interfaces with their telephones. Therefore, any claim made by a headset vendor that its product is compatible with Avaya telephones does not equate to a guarantee that the headset will provide adequate safety protection or audio quality.

Avaya recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in this DevConnect Application Note 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.

## 2.1. Interoperability Compliance Testing

All test cases were performed manually. The following features were verified:

- Placing calls to the voicemail system. Voice messages were recorded and played back to verify that the playback volume and recording level were good.
- Placing calls to local stations to verify two-way audio.
- Placing calls to the PSTN to verify two-way audio.
- Answering and terminating calls using the call control button on the headset.
- Using the volume control buttons on the headset to adjust the playback volume.
- Using the mute button on the headset and one-X Agent to mute and un-mute the audio, including verifying that the mute status was accurately reflected on the headset and one-X Agent.
- Checking that the call control button on the headset would light when there was an incoming/outgoing ringing call or an active call.

For the serviceability testing, the headset was disconnected and reconnected to verify proper operation. one-X Agent was also restarted for the same purpose. The desktop PC was also rebooted to verify that one-X Agent and headset were operational when the PC came back into service.

## 2.2. Test Results

All test cases passed.

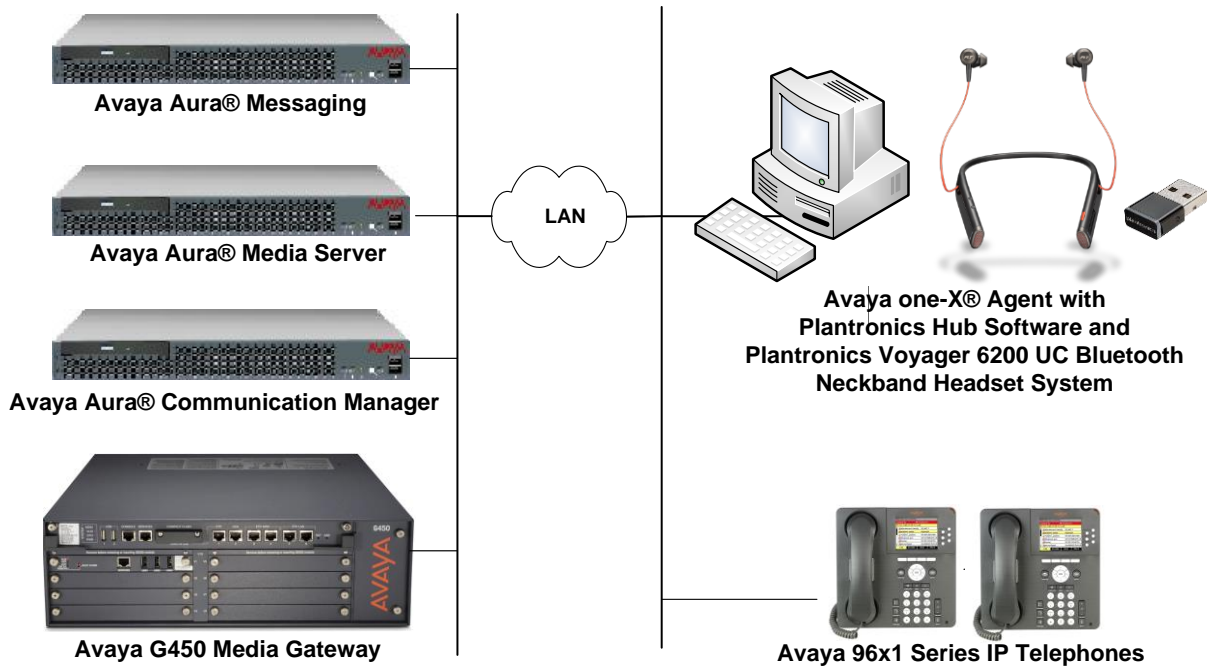
## 2.3. Support

For technical support and information on Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Headset System, contact Plantronics support at:

- Phone: 1-855-765-7878 (toll free)
- Website: <http://www.plantronics.com/us/support/>

### 3. Reference Configuration

**Figure 1** illustrates the test configuration used to verify the Plantronics solution. The configuration consists of Avaya Aura® Communication Manager running in a virtual environment with an Avaya G450 Media Gateway providing connectivity to the PSTN via an ISDN-PRI trunk (not shown). Avaya Aura® Messaging was used as the voicemail system and Avaya Aura® Media Server was used for media processing. Avaya one-X® Agent was installed on a desktop PC running Windows 10. Plantronics Voyager 6200 UC Neckband Headset connected via Bluetooth to a Plantronics BT600 Bluetooth USB Adapter connected to the desktop PC running one-X Agent.



**Figure 1: Avaya one-X® Agent with Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System**

## 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 a Virtual Environment	7.1.1 FP1 (R017x.01.0.532.0 with Patch 23985)
Avaya G450 Media Gateway	FW 38.21.0
Avaya Aura® Media Server	7.8.0.333
Avaya Aura® Messaging	7.0.1.2.0 FP1 SP 2
Avaya one-X® Agent on Microsoft Windows 10	2.5.60129.0
Avaya 9600 Series IP Telephone	6.6506 (H.323) 7.1.1.0.9 (SIP)
Plantronics Hub Software	3.10.2 Build 12688
Plantronics Voyager 6200 UC Bluetooth Neckband Headset System	v.75 (Headset) v.1307 (BT600)

## 5. Configure Avaya Aura® Communication Manager

This section covers the station configuration for Avaya one-X Agent. The configuration is performed via the System Access Terminal (SAT) on Communication Manager.

Use the **add station** command to create a station for Avaya one-X Agent. Set the **Type** field to the station type to be emulated. In this example, *9630* was used. Set the **Port** field to *IP* and configure a **Security Code** as that password to be used by one-X Agent to log in. Set the **IP Softphone** field to *y*.

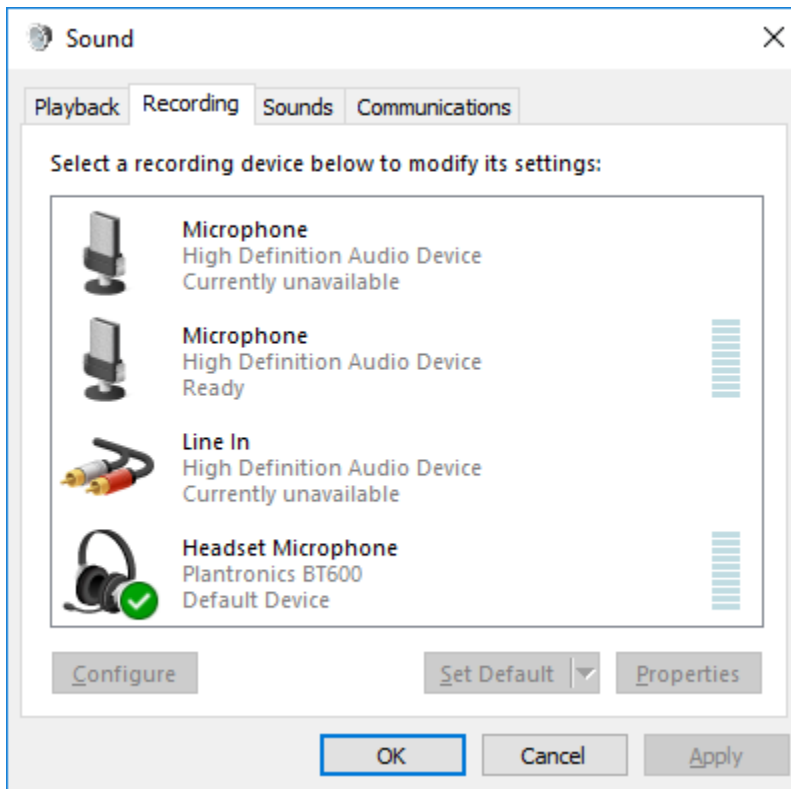
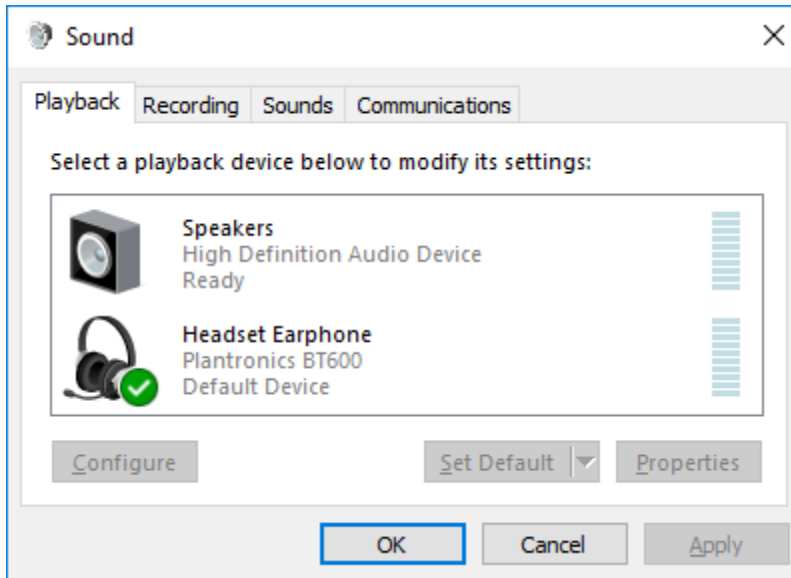
```
add station 77400                                     Page 1 of 5
                                                    STATION
Extension: 77400                                     Lock Messages? n                               BCC: 0
  Type: 9630                                       Security Code: 1234                          TN: 1
  Port: IP                                           Coverage Path 1:                               COR: 1
  Name: Plantronics                                 Coverage Path 2:                               COS: 1
                                                    Hunt-to Station:                               Tests? y
STATION OPTIONS
  Loss Group: 19                                   Time of Day Lock Table:
  Speakerphone: 2-way                               Personalized Ringing Pattern: 1
  Display Language: english                         Message Lamp Ext: 77400
  Survivable GK Node Name:                          Mute Button Enabled? y
  Survivable COR: internal                           Button Modules: 0
  Survivable Trunk Dest? y                           Media Complex Ext:
                                                    IP SoftPhone? y
                                                    IP Video Softphone? n
                                                    Short/Prefixed Registration Allowed: default
                                                    Customizable Labels? y
```


On **Page 4** of the Station form, configure the additional feature buttons in bold, which are used by one-X Agent to log in as an Automatic Call Distribution (ACD) agent.

```
add station 77400                                     Page 4 of 5
                                                    STATION
SITE DATA
  Room:                                             Headset? n
  Jack:                                             Speaker? n
  Cable:                                           Mounting: d
  Floor:                                           Cord Length: 0
  Building:                                        Set Color:
ABBREVIATED DIALING
  List1:                                           List2:                                           List3:
BUTTON ASSIGNMENTS
  1: call-appr                                     5: manual-in                               Grp:
  2: call-appr                                     6: after-call                              Grp:
  3: call-appr                                     7: aux-work                               RC:   Grp:
  4: auto-in                                       Grp:
  voice-mail                                       8: release
```

## 6. Configure Avaya one-X® Agent

Prior to configuring one-X Agent, connect the Plantronics headset to a USB port on the desktop PC running one-X Agent; otherwise, one-X Agent will not detect the headset. Verify that the Plantronics headset has been detected by Windows 10 and that it has been set as the default device under the **Sound** settings in the **Playback** and **Recording** tabs as shown below.



After logging into one-X Agent, click on  and then select **Agent Preferences** as shown below.

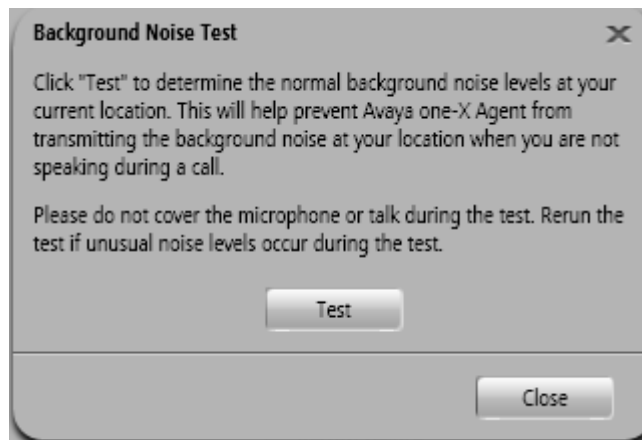


The headset is automatically detected by one-X Agent. In the **Agent Preferences** window, click on **Audio** and then select the **Advanced** tab. Set the **Playback Device** and **Record Device** fields to *Headset Earphone (Plantronics BT600)* and *Headset Microphone (Plantronics BT600)*, respectively, as shown below. Click the **Background Noise Test** button to determine the normal background noise levels at the location.





After clicking the **Background Noise Test** button, the following window is displayed. Click **Test**. Once the test is completed, click **Close**. Click **OK** in the **Audio** → **Advanced** tab.

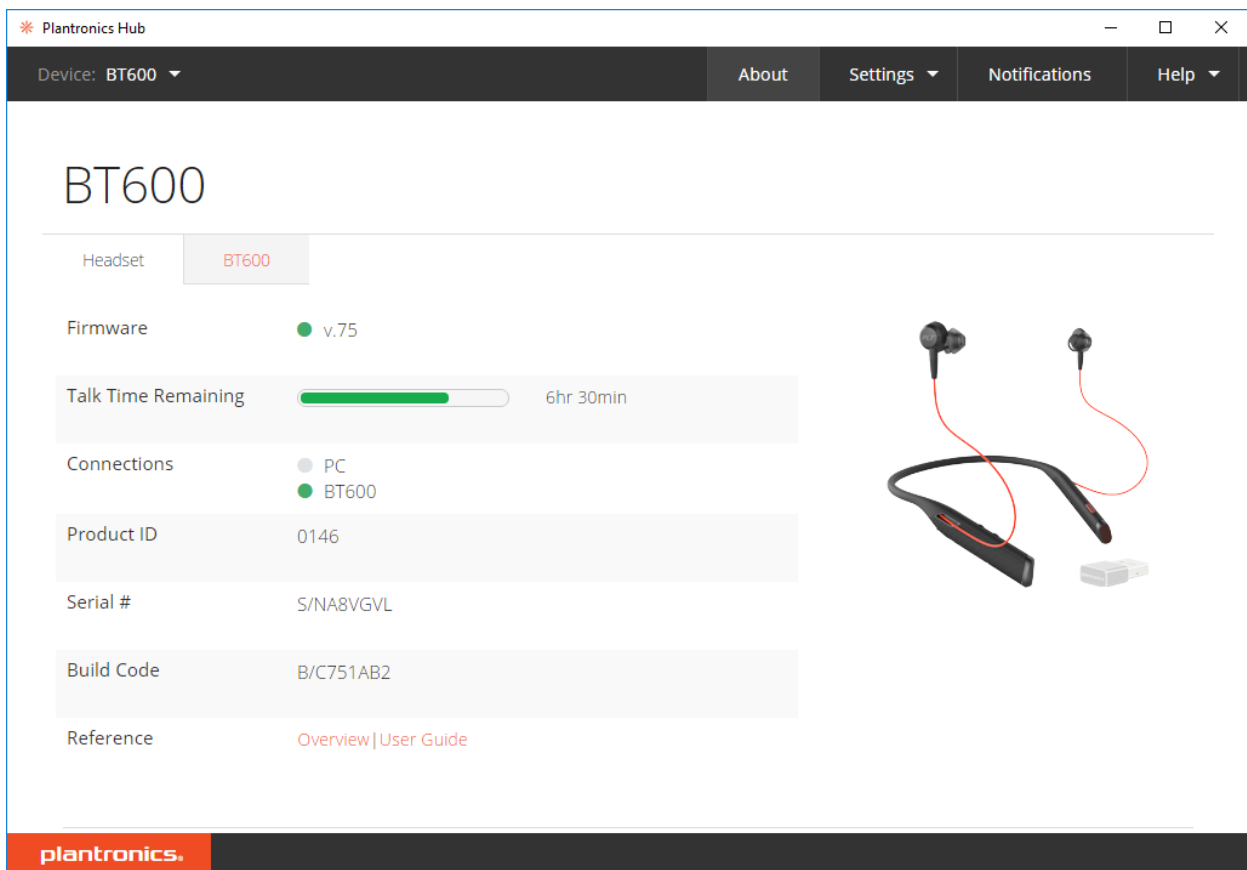


## 7. Install Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System

The Plantronics Hub software enables the Voyager 6200 UC headset to answer, end, and mute calls and adjust the volume using buttons on the headset. Install the software on the PC running the one-X Communicator. Refer to [4] and [5] for additional information.

After the Hub software is installed, turn on the Voyager 6200 UC headset and then connect the Plantronics BT600 Bluetooth USB adapter to the desktop PC running one-X Agent. When the headset is paired via Bluetooth, a chime and “PC Connected” announcement should be heard on the headset. If the headset needs to be paired again, follow the instructions in [5].

Prior to using the headset, the Plantronics Hub software should be running and should have detected the headset and BT600 Bluetooth adapter as shown below. All default settings for the Hub software were used for compliance testing.



Plantronics Hub

Device: BT600

About Settings Notifications Help

# BT600

Headset **BT600**

Firmware ● v.75

Talk Time Remaining  6hr 30min


Connections ● PC ● BT600

Product ID 0146

Serial # S/NA8VGVL

Build Code B/C751AB2

Reference [Overview](#) | [User Guide](#)



The image shows a Plantronics BT600 headset, which is a neckband-style headset with two earbuds. It is shown next to its charging dock, which is a small, white, rectangular device. The headset has a black neckband and red accents on the earbuds and the charging dock.

From the **Plantronics Hub** window above, navigate to **Settings** → **Softphones** to display the Softphones & Media Players window. Verify that Plantronics Hub is connected to one-X Agent as indicated by the green checkmark ✓ in the **Connected** column shown below.

BT600 Cancel Apply

**Dial Tone**  
Hear a dial tone for a VoIP call when you press your headset's call button. Your target softphone must support dial tone. On •

**Software Settings** ⓘ

**Target Softphone**  
Indicates the softphone that will be used for outgoing calls and dial tone (for supported devices and softphones). Avaya one-X Agent

**Media Player Action on Incoming Call**  
Controls the behavior of media player applications such as iTunes and Windows Media Player when a softphone call comes in. Pause & Resume •

**Softphones & Media Players** [View All Supported Softphones](#)

Module Name	Module Version	Enable	Connected
Avaya Aura Agent Desktop	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya Communicator	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya Communicator for Microsoft Lync	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya Equinox	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya IP Agent	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya IP Softphone	3.10.51977.12688	<input checked="" type="checkbox"/>	
Avaya one-X Agent	3.10.51977.12688	<input checked="" type="checkbox"/>	✓
Avaya one-X Communicator	3.10.51977.12688	<input checked="" type="checkbox"/>	

**plantronics.**

## 8. Verification Steps

This section provides the tests that can be performed to verify proper installation and configuration of the Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset with Avaya one-X® Agent.

1. Start the one-X Agent application.
2. Place an incoming call to one-X Agent from any local phone.
3. Answer the call using the call control button on the headset.
4. Verify two-way talk path between the headset and phone.
5. Disconnect the call from the headset using the call control button.
6. Verify that the call is properly disconnected.

## 9. Conclusion

These Application Notes describe the configuration steps required to integrate the Plantronics Hub Software and Plantronics Voyager 6200 UC Bluetooth Neckband Headset System with Avaya one-X® Agent. All test cases were completed successfully.

## 10. Additional References

This section references the Avaya and Plantronics documentation that are relevant to these Application Notes.

The following Avaya product documentation can be found at <http://support.avaya.com>.

- [1] *Administering Avaya Aura® Communication Manager, Release 7.1.1, Issue 2, August 2017.*
- [2] *Installing Avaya one-X® Agent, Release 2.5.4 (H.323), Issue 1, December 2013.*
- [3] *Administering Avaya one-X® Agent, Release 2.5.4 (H.323), Issue 1, December 2013.*

The following Plantronics product documentation can be found at <http://www.plantronics.com>.

- [4] *Plantronics Hub for Windows/MAC User Guide, v3.10.x.*
- [5] *Plantronics Voyager 6200 UC User Guide.*

---

**©2018 Avaya Inc. All Rights Reserved.**

Avaya and the Avaya Logo are trademarks of Avaya Inc. All trademarks identified by ® and ™ are registered trademarks or trademarks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners. The information provided in these Application Notes is subject to change without notice. The configurations, technical data, and recommendations provided in these Application Notes are believed to be accurate and dependable, but are presented without express or implied warranty. Users are responsible for their application of any products specified in these Application Notes.

Please e-mail any questions or comments pertaining to these Application Notes along with the full title name and filename, located in the lower right corner, directly to the Avaya DevConnect Program at [devconnect@avaya.com](mailto:devconnect@avaya.com).