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Avaya Solution & Interoperability Test Lab

Application Notes for British Telecom (Unified Trading) IP Trade Platform with Avaya Aura® Session Manager and Avaya Aura® Communication Manager - Issue 1.0

Abstract

These Application Notes describe the configuration steps required to integrate British Telecom (Unified Trading) IP Trade Platform with Avaya Aura® Session Manager and Avaya Aura® Communication Manager. British Telecom IP Trade Platform is a SIP Endpoint management solution that interoperates with Avaya Aura® Session Manager via a SIP Trunk. It is used to route calls to the British Telecom Trade turrets.

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.

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1 of 44
BT_IPT_ASM71

1. Introduction

These Application Notes describe the configuration steps required to successfully integrate British Telecom(BT) IP Trade Platform with Avaya Aura® Session Manager (Session Manager) and Avaya Aura® Communication Manager (Communication Manager). The BT IP Trade Platform is a SIP Endpoint Management solution that uses Avaya Aura® Session Manager to route calls between Avaya Aura® Communication manager and BT Trade turrets via a SIP Trunk.

2. General Test Approach and Test Results

The general test approach was to configure the BT IP Trade Turrets to communicate with the Session Manager as third party SIP endpoints.

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 the BT IP Trade Platform did not include use of any specific encryption features as requested by British Telecom.

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SPOC 3/6/2018
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2 of 44
BT_IPT_ASM71

2.1. Interoperability Compliance Testing

The interoperability compliance test included both feature functionality and serviceability testing. The feature functionality testing focused on carrying out different call scenarios with good quality audio. The tests included:

- SIP Endpoints are connected and in Service.
- BT Turret can make and receive calls.
- BT Turret can transfer and conference.
- BT Turret can recover from loss of service.

2.2. Test Results

All test cases passed successfully.

2.3. Support

BT Unified Trade Interoperability Team
Email: Unified.Trade.interop.team@bt.com

3. Reference Configuration

The configuration shown in Figure 1 was used during the compliance test of BT IP Trade Platform with Session Manager and Communication Manager. BT IP Trade Platform manages Trade Turrets by registering with Session Manager and allowing communication with Avaya handsets

Figure 1: Connection of BT IP Trade Platform with Avaya Aura® Session Manager and Avaya Aura® Communication Manager

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	R7.1.2 FP2 R017x.01.0.532.0 CM 7.1.2.0.0.532.24184 KERNEL-3.10..0-693.e17.AVI PLAT-rhel17.2-0010
Avaya G450 Media Gateway	38.20.1/1
Avaya Aura® Session Manager	R7.1.2.0.712004
Avaya Aura® System Manager	R7.1.2 Build 7.1.0.0.1125193 Update 7.1.2.0.057353 Feature Pack 2
Avaya Aura® Media Server	v.7.8.0.309
Avaya 96x1 Series IP Deskphones H.323	6.6229
Avaya 96x1 Series IP Deskphones SIP	7.1.0.1.1
Avaya 94xx Series Digital Deskphones	R17.0
Turret Support Server(TSS)	9.1.0.41571
TPO	R9.1_0.41588
Turrets, T4 with XMA2	R9.1_0.41580

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SPOC 3/6/2018

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5 of 44
BT_IPT_ASM71

5. Configure Avaya Aura® Communication Manager

This section describes the steps required to allow Communication Manager to communicate with the IP Trade Platform. Is it assumed that Communication Manager is installed and configured before implementing the configuration steps. For all other provisioning information such as initial installation and configuration, please refer to the product documentation in **Section 10**. The configuration illustrated in this section was performed using Communication Manager System Administration Terminal (SAT).

Configuration steps include:
- Check Off PBX Station Licensing.
- SIP Trunk Administration (to Session Manager).
- Adding Route Pattern.

5.1. Checking Licensing

Using the *display system-parameters customer-options* command go to **page 1** and check that the system is sufficiently licensed for **Off-PBX Telephones -   OPS**:.

```
                              OPTIONAL FEATURES

   G3 Version: V17                          Software Package: Enterprise
     Location: 2                               System ID (SID): 1
     Platform: 28                              Module ID (MID): 1

                                                         USED
                          Platform Maximum Ports: 6400   329
                                Maximum Stations: 2400   24
                         Maximum XMOBILE Stations: 2400   0
               Maximum Off-PBX Telephones - EC500: 9600   0
               Maximum Off-PBX Telephones -   OPS: 9600   16
               Maximum Off-PBX Telephones - PBFMC: 9600   0
               Maximum Off-PBX Telephones - PVFMC: 9600   0
               Maximum Off-PBX Telephones - SCCAN: 0      0
                    Maximum Survivable Processors: 313    0




         (NOTE: You must logoff & login to effect the permission changes.)
```

5.2. Adding a SIP Trunk to Avaya Aura® Session Manager

Use the *change node-names ip* command to add the Session Manager

```
change node-names ip                                          Page   1 of   2
                              IP NODE NAMES
    Name                IP Address
SM1677              10.10.16.77
default             0.0.0.0
procr               10.10.16.27
procr6              ::-
```

Use *change dialplan analysis* to add a **3** digit dial access code(**dac**) for use in the SIP Trunk, a unform dial plan (**udp**) entry for calling out over the SIP Trunk and check that there is an entry for feature access codes(**fac**).

```
change dialplan analysis                                      Page   1 of  12
                         DIAL PLAN ANALYSIS TABLE
                           Location: all          Percent Full: 2

   Dialed    Total  Call      Dialed    Total  Call      Dialed    Total  Call
   String   Length  Type      String   Length  Type      String   Length  Type
   2           7    udp
   7           3    dac
   8           5    udp
   8           7    udp
   827         7    ext
   9           1    fac
   *           3    fac
   #           3    fac
```

Use *add-signaling-group x* where x is the number of the group required. Set **Transport Method** to **tcp, Near-end Node Name** to **procr** and **Far-end Node Name** to the entry added in **node-names**. Set the **Far-end Network Region** to **1** and **Direct IP-IP Audio Connections?** to **n**

```
add signaling-group 76                                      Page   1 of   2
                              SIGNALING GROUP

 Group Number: 76              Group Type: sip
  IMS Enabled? n          Transport Method: tcp
       Q-SIP? n
    IP Video? n                              Enforce SIPS URI for SRTP? y
  Peer Detection Enabled? y  Peer Server: SM
 Prepend '+' to Outgoing Calling/Alerting/Diverting/Connected Public Numbers? y
Remove '+' from Incoming Called/Calling/Alerting/Diverting/Connected Numbers? n
Alert Incoming SIP Crisis Calls? n
   Near-end Node Name: procr              Far-end Node Name: SM1677
 Near-end Listen Port: 5060             Far-end Listen Port: 5060
                                      Far-end Network Region: 1


Far-end Domain:
                                        Bypass If IP Threshold Exceeded? n
Incoming Dialog Loopbacks: eliminate            RFC 3389 Comfort Noise? n
        DTMF over IP: rtp-payload        Direct IP-IP Audio Connections? n
Session Establishment Timer(min): 3               IP Audio Hairpinning? n
        Enable Layer 3 Test? y
                                         Alternate Route Timer(sec): 6
```

Use *add trunk-group x* where x is the number administered for the signaling group. On **Page 1** set the **Group Type** to **sip**. Set the **TAC** to suitable entry based on the dial plan **dac** administered above. Set the **Service Type** to **tie**, **Signaling group** to the one administered above and **Number of Members** to a number satisfactory for call routing required (**255** shown is the max for this type of trunk group).

```
  add trunk-group 76                                     Page   1 of  21
                            TRUNK GROUP

 Group Number: 76                Group Type: sip       CDR Reports: y
   Group Name: ToSM7                    COR: 1     TN: 1      TAC: 776
    Direction: two-way      Outgoing Display? n
 Dial Access? n                              Night Service:
 Queue Length: 0
 Service Type: tie              Auth Code? n
                                        Member Assignment Method: auto
                                             Signaling Group: 76
                                           Number of Members: 255
```

On **Page 2** set the **Preferred Minimum Session refresh Interval(sec): to 1800** as this is a time greater than the BT Session Manager refresh interval.

```
change trunk-group 76                                          Page   2 of  22
      Group Type: sip

TRUNK PARAMETERS

    Unicode Name: auto

                                          Redirect On OPTIM Failure: 5000

         SCCAN? n                                 Digital Loss Group: 18
                    Preferred Minimum Session Refresh Interval(sec): 1800

 Disconnect Supervision - In? y  Out? y


           XOIP Treatment: auto    Delay Call Setup When Accessed Via IGAR? n




 Caller ID for Service Link Call to H.323 1xC: station-extension
```

On **Page 3** set the **Numbering Format**. For this test the **private** numbering table was used to set the calling party number format.

```
  add trunk-group 76                                          Page   3 of  21
  TRUNK FEATURES
            ACA Assignment? n          Measured: none
                                                       Maintenance Tests? y


                         Numbering Format: private
                                              UUI Treatment: service-provider

                                              Replace Restricted Numbers? n
                                              Replace Unavailable Numbers? n

                                                Hold/Unhold Notifications? y
                              Modify Tandem Calling Number: no



    Show ANSWERED BY on Display? y
```

5.3. Adding a Route Pattern

A route pattern needs to be added so that call can be routed out of Communication Manager to Session Manager. Use *change route-pattern x* where x is the number of the SIP trunk created. Enter the Trunk group created above beside the first **Grp No,** an **FRL** of **0**.

```
change route-pattern 76                                         Page   1 of   3
                    Pattern Number: 76     Pattern Name: ToSM7
    SCCAN? n     Secure SIP? n     Used for SIP stations? n

    Grp FRL NPA Pfx Hop Toll No.  Inserted                        DCS/ IXC
    No          Mrk Lmt List Del  Digits                          QSIG
                             Dgts                                 Intw
 1: 76   0                                                         n   user
 2:                                                                n   user
 3:                                                                n   user
 4:                                                                n   user
 5:                                                                n   user
 6:                                                                n   user

     BCC VALUE  TSC CA-TSC    ITC BCIE Service/Feature PARM Sub  Numbering LAR
     0 1 2 M 4 W    Request                               Dgts Format
 1: y y y y y n  n              rest                           lev0-pvt  none
```

An Alternate Route Selection (ars) entry must be made for dialing the external numbers that are to be routed via the BT IP Trade Platform. Use *change aar analysis x* where x is the first number in the dialed string. Set **Dialed String** to **x**, **Total Min/Max** to the length of the number to be dialed, **Route Pattern** to the one administered above and **Call Type** to **lev0.**

```
change aar analysis 3                                          Page   1 of   2
                         AAR DIGIT ANALYSIS TABLE
                             Location: all           Percent Full: 2

          Dialed          Total      Route     Call   Node  ANI
          String         Min  Max   Pattern    Type   Num   Reqd
    82355                 7    7       76       lev0         n
```

6. Configure Avaya Aura® Session Manager

In this section the configuration steps required to connect BT IP Trade Platform to Session Manager as a SIP Endpoint is described. It is assumed that an existing Session manager instance has already been installed and configured as this is out of the scope of this document. All Configuration steps were carried out using Avaya Aura® System Manager. Configuration steps will include:

- Adding a BT IP Trade Turrets as SIP Users.

6.1. Configure SIP User

A SIP user must be added for each BT IP Trade Turret required. Navigate to the System Manager web interface, in this case **https://<IP Address>/SMGR** and login with the relevant credentials.

Recommended access to System Manager is via FQDN.

Go to central login for Single Sign-On

If IP address access is your only option, then note that authentication will fail in the following cases:

- First time login with "admin" account
- Expired/Reset passwords

Use the "Change Password" hyperlink on this page to change the password manually, and then login.

Also note that single sign-on between servers in the same security domain is not supported when accessing via IP address.

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 protection of information assets.

User ID:

Password:

Log On   Cancel

Change Password

🛈 **Supported Browsers:** Internet Explorer 11.x or Firefox 48.0, 49.0 and 50.0.

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11 of 44
BT_IPT_ASM71

From the Dashboard select **Users → User Management**

Select **Manage Users → New**

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12 of 44
BT_IPT_ASM71

On the Identity tab enter an identifying **Last Name** and **First Name**, enter an appropriate **Login Name**, set **Authentication Type** to **Basic** and administer a password in the **Password** and **Confirm Password** fields.

Click on the **Communication Profile** tab and enter and confirm a **Communication Profile Password**, this is used when logging in the SIP endpoint. Under **Communication Address** click **New**.

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SPOC 3/6/2018

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13 of 44
BT_IPT_ASM71

Select **Avaya SIP** from the **Type** drop down box and enter the **Fully Qualified Address** of the new SIP user. Click **Add** when done.

Continue to scroll down on the same page. Select Session Manager Profile and enter the **Primary Session Manager, Origination Application Sequence, Termination Application Sequence** and **Home Location** relevant to the implementation.

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14 of 44
BT_IPT_ASM71

Scroll down the page and select **CM Endpoint Profile** section. Select the Communication Manager system from the **System** drop down box, select **Endpoint** as the **Profile Type**, enter the **Extension** number you wish to use, select **9611SIP_DEFAULT_CM_7_1** as the **Template** and ensure **IP** is configured as the **Port**, click Commit & Coninue (not shown) when finished.

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SPOC 3/6/2018

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15 of 44
BT_IPT_ASM71

Click on **Endpoint Editor** in the **CM Endpoint Profile** and on the General options tab set **Type of 3PCC Enabled** as **Avaya**. Click on **Done** to save changes and go back to the User Communication Profile screen.

Click on Commit to save the user. The user is now listed

7. Configure the IP Trade System.

This section addresses the administrative steps to be performed on the IP Trade solution. The installation of the IP Trade solution software, as well as the initial configuration of the turrets and servers, is beyond the scope of this document.

7.1. Configure the IP Trade Turret Support Server.

This section describes the procedure for configuring the IP Trade Turret Support Server (TSS). This procedure assumes that the TSS has already been configured with an anonymous profile and that a TFTP server (typically co-resident with the TSS) is being used for downloading certain configuration parameters to the turrets.

From a Web browser, navigate to the IP Address of the TSS. Enter the correct password and click on **Log In**.

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SPOC 3/6/2018

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17 of 44
BT_IPT_ASM71

Upon selecting Log In, the following screen will be presented.

From the TSS Versions tab select the **Console** Link as shown below.

Enter the **User Identifier** and **Password** for the IP Trade system and select **Log In**.

Upon successful login, the following screen will be presented.

Select **Device Management** from the top menu bar and then **Zones** from the resulting drop down box.

NOTE: If any of the below advanced parameters are already configured, you just need to edit them rather than add. This can be done by either clicking the advanced parameter or by selecting either of the two symbols as shown in the picture below.

Select **Add new** from the menu bar.

Refresh	Add new	Bulk admin selected	1 / 1

Enter a name for the new zone and accept all other defaults on the first page then select **Update** (not shown).

Navigate to the **Turret Boot Settings** Tab and then select **the Advanced Mode** tab.

NOTE: If any of the below advanced parameters are already configured, you just need to edit them rather than add. This can be done by either clicking the advanced parameter or by selecting either of the two symbols as shown in the picture below.

	application.sip.localdomain	10.221.7.105	

If the advanced parameter is not present, select **Add new**.

General	TPO Boot Settings	Turret Boot Settings	Turrets	Mobile Trader	TPO	TPO Cluster	TPO DNS	Users	Shared Profiles	Adv. Telephony

Turret Boot Settings

+ Pre-defined settings

Basic Mode | Expert Mode | **Advanced Mode**

| Refresh | Add new | Bulk admin selected | Provisioning | 1 / 1 |

Now enter the statement below beside **Name:** The IP Address should mirror the Session Manager. In this example the IP Address is 10.221.7.105. When complete, select **Update and Go Back.**

<< Back to Zones list > Avaya

Name * application.sip.localdomain

Value   10.221.7.105

Update and Go Back | Reset | Refresh | Cancel   Delete

Select **Add new**.

General	TPO Boot Settings	Turret Boot Settings	Turrets	Mobile Trader	TPO	TPO Cluster	TPO DNS	Users	Shared Profiles	Adv. Telephony

Turret Boot Settings

+ Pre-defined settings

Basic Mode | Expert Mode | **Advanced Mode**

| Refresh | Add new | Bulk admin selected | Provisioning | 1 / 1 |

Again, enter the name exactly as it is above and specify the Session Manager. When complete, select **Update and Go Back.**

Select **Add new**.

Again, enter the name exactly as it is above and specify the Avaya Session Manager. When complete, select **Update and Go Back.**

Lastly, select the advanced parameter, application.sip.connection.mode and change the transport type from UDP to TCP

Finally, please ensure that all other advanced parameters are configured as shown below. Add any that are missing by using the same process as above or by using the individual menus..

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SPOC 3/6/2018
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22 of 44
BT_IPT_ASM71

From the Top menu, select **Device Management** and then **TPO Clusters.**

Select **Add new**.

Enter a meaningful name and **select the Zone** just created from the Zone Group drop down box. Select **Update**.

Select the **Settings** tab and then **Advanced Mode**, ensure that the configuration matches the screen below but with the Session Manager details.

Select Device Management and then TPOs.

Select **Add new** from the menu bar.

Enter **Device Identifier** of the previously provisioned TPO, select the **Zone Group** created and ensure that the TPO Cluster assigned is the TPO Cluster that has been configured in the previous step. Then select **Update.**

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SPOC 3/6/2018

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25 of 44
BT_IPT_ASM71

Select the **Settings** tab and then **Advanced Mode**, ensure that the configuration matches the screen below but with the Session Manager details. Please note the two Avaya specific settings which are highlighted.

Select Device Management and then Zones.

Select the **Turrets** tab, click **Search** as shown in the screen below and look for the turrets needing to be added into the newly created Zone.

Select the Turrets from the left hand window and select **Add** to move the Turrets into the Zone. Select **Update**.

Select the **TPO Clusters** tab and select **Search**, select the TPO Cluster created from the left hand window and select the **Add** button.
Select **Update and Go Back.**

Select **Device Management** and the **TPO** Clusters.

Select the **TPO Cluster** previously configured.

Select the **TPO Lines** tab.

Select Add new.

Enter the data below.

Extension: The Avaya Number defined in **Section 6.1**.
Register: Select the Yes radio button.
SIP Display Name: Define the Avaya Number again.
SIP Password: The Communication Profile Password that you set on the Session Manager.
SIP Digest: Define the Avaya Number again.
SIP Domain: Define the IP Address of the Session Manager.
Access Point Extension: Set the radio button to No.

Once complete, select **Save and Go Back**(not shown)**.**

Select **TPO Places.**

Select **Add new**.

In the first instance, create a **Name**. Select the **Group ID** used. Ensure **RingdownDynamic** is selected as the **Place Type**.

In the **Virtual Slot Extensions**, 30010101 to 30010106 are specified. This is creating six appearances for the 8279999 which are associated with Avaya, 300101**01** is Slot 1, 300101**02** is Slot 2 etc.

Link the Line to the TPO Place by selecting the grey **Defined Lines** box.
Select **Link Selected**.

Ensure that the extension has linked correctly by looking at the linked extensions below.

Select Save and Go Back.

Next, navigate to the **TPO Cluster** Tab. Click the Cluster Mouse button to edit (not shown).

Add the **Order** of preference (if more than two TPO's are in a TPO Cluster). For the **Group ID** that Lines were added to, select **Active** from the **TPO Role** drop down. Select the green arrow to the right to save the changes.

Next edit the **TPO Group ID** by clicking the Mouse Button.

Add the **TPO Name** in a format which has a dot in it, in this example Avayatpo.group2 is used. This name is registered on the DNS. Again, select the green arrow to commit the changes.

After a couple of minutes, the TPO becomes active as shown below.

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Now select the **TPO Places** tab (not shown), the lines show that the TPO is Active but the lines are in a Stopped state.

Select the Play button and wait for the line to register. Once the line registers, it will display a status as below.

The next task is to add a user, use the top menu and select **User Management**, and then **Users.**

Select **Add new**.

Enter the information regarding the user below. For this example, the username of Avaya2 was created.

Now create a shared profile, select **Account Management** and then **Shared Profiles.**

Select **Add new**.

Enter the data as below. Select **Update** (not shown).

Select the Lines tab, then select **Add new**.

Enter all the Lines associated with the Avaya profile by entering the following information. In this example the shared appearance 8279999 is added.

Select **Update and Go Back** when completed.

SJW; Reviewed:
SPOC 3/6/2018

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35 of 44
BT_IPT_ASM71

Ensure all of the Lines are present via the shared profile by selecting the **Lines** tab.

Now that the lines are added, they need to be inserted onto a Keypage. Navigate **to Account Management** and then **Shared Profiles**(not shown).

Select the Shared Profile and select the **Shortcuts** tab from the Menu bar.

Select **Add new**.

Add each field as the example shows below, in this example the first slot (/1) is configured for Shared Appearance 8279999.

Label: The Shared Appearance followed by the slot number.
Type: Select **DDI Slot**.
Slot: The full Shared Appearance.

Once complete, select **Update and Go Back**. Next, select the Screen Layout tab from the top menu bar.

Select the Key page to place the shared appearances by checking the tick box and then selecting the spanner symbol next to it as shown in the screen below.

You will see the shortcuts you just created as Available The shortcuts are on the left hand side of the screen. Click on each shortcut which will automatically place the shortcut into the Unlinked shortcuts window. Click and drag the shortcut into the Linked shortcuts window.

Select Update and Go Back.

Within the Settings Tab in Shared Profile, ensure that all of the advanced settings are present as per the screen below. Please refer to earlier in this document for adding new parameters.

Now that the Shared Profile has been configured, the users need to be added into it.

Select the **General** Tab (not shown) and halfway down the page there is a search box as shown in the screen below. Select **Search**.

SJW; Reviewed:
SPOC 3/6/2018

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39 of 44
BT_IPT_ASM71

All Users configured on the system will appear, select the ones you want to add into this Shared Profile and select **Add.**

The users have been added into the right hand window. Select **Update and Go Back.** To confirm, select the User and check that the user is showing as added into the Shared Profile.

8. Verification Steps

This section describes the checks that can be carried out to verify the connection between BT IP Trade Platform with Avaya Aura® Communication Manager and Avaya Aura® Session Manager

8.1. Avaya Aura® Session Manager Verification

From the main System Manager dashboard select Session Manager from the Elements section (not shown). Select **System Status → User Registrations** from the left hand menu (not shown). The BT IP Trade Turret user is listed and will show a tick in the **Prim** box under **Registered**.

8.2. BT IP Trade Platform Verification

In Device Management/TPOs, ensure that the TPO is reachable. This is indicated by a Green Status as shown by below.

In Device Management/TPO Clusters/Your TPO Cluster, navigate to the **TPO Lines** Tab. The Lines must be linked to a TPO Place. This is indicated by the **Linked** column. Green status indicates that the TPO is up and the TPO Place is started.

In the same area, on the TPO Cluster Tab, the TPO must show a green status and as Active.

Lastly select the TPO Places Tab (not shown). All lines show a status of **Started**, this indicates that the TPO has registered the line to the Session Manager.

TPO Places   3 places: 3 Started

	Place Name *	Connected to	Place Type *	Group ID *	TPO	State		
☐	300101		RingdownDynamic	2	Int-TPO03 (Alive)	Started	☐	
☐	300102		RingdownDynamic	2	Int-TPO03 (Alive)	Started	☐	
☐	300104		RingdownDynamic	2	Int-TPO03 (Alive)	Started	☐	

9. Conclusion

These Application Notes describe the configuration steps required for BT (Unified Trading) IP Trade Platform to interoperate with Avaya Aura® Session Manager and Avaya Aura® Communication Manager. All feature functionality and serviceability test cases were completed successfully as outlined in **Section 2.2**.

10. Additional References

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

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

[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] *Administering Avaya Aura® Session Manager,* Release 7.0, 03-603324
[4] *Quick Start Guide to Using the Avaya Aura® Media Server with Avaya Aura® Communication Manager*, August 2015

Information regarding Product documentation for BT Netrix Trade Turret can be obtained by contacting the Support email in **Section 2.3**