

Avaya Solution & Interoperability Test Lab

Application Notes for Wesley Clover Solutions Trading Platform with Avaya Aura® Communication Manager – Issue 1.0

Abstract

These Application Notes describe a compliance-tested configuration consisting of Wesley Clover Solutions IP PBX and Wesley Clover Solutions IP Turret with Avaya Aura® Communication Manager.

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

Wesley Clover Solutions Trading Platform consists of an IP PBX and IP Turrets. Wesley Clover Solutions IP PBX communicates to Avaya Aura® Communication Manager via a QSIG trunk. Wesley Clover Solutions IP turrets register with Wesley Clover Solutions IP PBX.

2. General Test Approach and Test Results

The compliance test focused on the interoperability between Avaya Aura® Communication Manager and Wesley Clover Solutions IP PBX.

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

Compliance testing focused on verifying call scenarios mentioned below:

- Call setup and termination
- Call Holds, Call Transfers and Conference calls

2.2. Test Results

All executed test cases were passed and all objectives were met with the observation noted below:

• For call scenarios related to Call Conferences and Call Forwards, Wesley Clover Solutions IP PBX holds a Q-SIG trunk member for each call leg.

2.3. Support

Support for Wesley Clover Solutions can be found via the following means: Web: <u>www.wesleycloversolutions.com</u> **E-mail**: <u>service@wesleycloversolutions.com</u>

3. Reference Configuration

The following figure displays the configuration used during the compliance test.

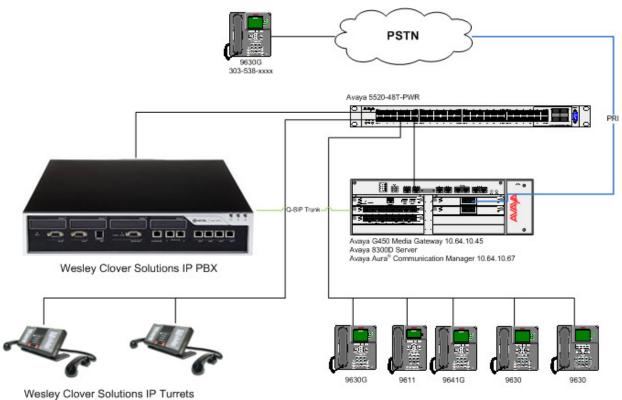


Figure 1: Reference Configuration

4. Equipment and Software Validated

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

Equipment	Version
Avaya Aura [®] Communication Manager	6.3.1 (SP1)
Avaya G450 Media Gateway	31.20.1
Avaya 96x1 Series H.323 Phones	6.2.4
Avaya 96x0 Series H.323 Phones	3.10
Avaya Aura® Utility Services	6.3.1 (SP1)
Wesley Clover Solutions IP PBX	12.0.1.24
Wesley Clover Solutions IP Turrets	3.0.0.8

5. Configure Avaya Aura[®] Communication Manager

Communication Manager allows for routing calls via a Q-SIG trunk to Wesley Clover Solutions IP PBX. The following information allows for a Q-SIG connection between Communication Manager and Wesley Clover Solutions IP PBX.

5.1. Verify Avaya Aura® Communication Manager License

Use the display system-parameters customer-options command to verify options.

On Page 4, verify ISDN/PRI fields is set to y.

display system-parameters customer OF	-	FEATURES Page 4 of 11
Emergency Access to Attendant? Enable 'dadmin' Login?	-	IP Stations? y
Enhanced Conferencing?	У	ISDN Feature Plus? n
Enhanced EC500?	У	ISDN/SIP Network Call Redirection? y
Enterprise Survivable Server?		ISDN-BRI Trunks? y
Enterprise Wide Licensing?		ISDN-PRI? y
ESS Administration?	-	Local Survivable Processor? n
Extended Cvg/Fwd Admin?	-	Malicious Call Trace? y
External Device Alarm Admin?	-	Media Encryption Over IP? n
Five Port Networks Max Per MCC?	n M	Node Code for Centralized Voice Mail? n
Flexible Billing?	n	
Forced Entry of Account Codes?	-	Multifrequency Signaling? y
Global Call Classification?	-	Multimedia Call Handling (Basic)? y
Hospitality (Basic)?	У	Multimedia Call Handling (Enhanced)? y
Hospitality (G3V3 Enhancements)?	У	Multimedia IP SIP Trunking? y
IP Trunks?	У	
IP Attendant Consoles?	У	

5.2. Configure DS1

Use the **add ds1** n command to configure a network region, where n is the location of the T1 card. Configure this ds1 as follows:

- Type in a descriptive name in **Name**
- Set Line Coding to b8zs
- Set Framing Mode to esf
- Set Signaling Mode to isdn-pri
- Set Connect to pbx
- Set **Interface** to **peer-master**
- Set **Peer Protocol** to **Q-SIG**

add ds1 1v6		DS1 CIRCUIT	PACK	Page	1 of	2	
Location:	001V6		Name	: to_WCS			
Bit Rate:	1.544		Line Coding	: b8zs			
Line Compensation:	1		Framing Mode				
Signaling Mode:			r running mode				
	-						
Connect:	pbx		Interface	: peer-m	aster		
TN-C7 Long Timers?	n		Peer Protocol	: Q-SIG			
Interworking Message:	PROGress		Side	: a			
Interface Companding:	mulaw		CRC	? n			
Idle Code:							
faic coac.		DOD/Analag Ba	arer Capability	. 2 11-11-			
		DCF/ANALOG De	arer capability	: J.IKHZ			
			T303 Timer(sec)				
			, ,				
		D	isable Restarts	? У			
Slip Detection?	n	Nea	r-end CSU Type:	other			
-							
Echo Cancellation?	n						

5.3. Administer Q-SIG Signaling Group

Use the **add signaling-group** *n* command to add a new signaling group, where *n* is an available signaling group number. Configure this signaling group as follows:

- Set Group Type to isdn-pri
- Set Primary D-Channel according to the ds1 configured in previous section
- Set TSC Supplementary Service Protocol to b

```
add signaling-group 2 Page 1 of 1
SIGNALING GROUP
Group Number: 2 Group Type: isdn-pri
Associated Signaling? y Max number of NCA TSC: 0
Primary D-Channel: 001V624 Max number of CA TSC: 0
Trunk Group for Channel Selection: X-Mobility/Wireless Type: NONE
TSC Supplementary Service Protocol: b Network Call Transfer? n
```

5.4. Administer Q-SIG Trunk Group

Use the **add trunk-group** *n* command to add a trunk group, where *n* is an available trunk group number. Configure this trunk group as follows, on **Page 1**:

- Set Group Type to isdn
- Enter a Group Name
- Enter a valid **TAC**, e.g., *002
- Set Carrier Medium to PRI/BRI
- Set Service Type to tie

```
add trunk-group 2Page 1 of 21Group Number: 2Group Type: isdnCDR Reports: rGroup Name: to_WCSCOR: 1TN: 1TAC: *002Direction: two-wayOutgoing Display? nCarrier Medium: PRI/BRIDial Access? yBusy Threshold: 255Night Service:Queue Length: 0Auth Code? nTestCall ITC: restFar End Test Line No:Far End Test Line No:Far End Test Line No:
```

On Page 3:

- Set Send Name and Send Calling Number to y
- Set Format to unk-pvt
- Set Send Connected Number to y

```
add trunk-group 2
                                                                               Page 3 of 21
TRUNK FEATURES
            ACA Assignment? n Measured: none Wideband Support? n
Internal Alert? n Maintenance Tests? y
Data Restriction? n NCA-TSC Trunk Member: 2
Send Name: y Send Calling Number: y
Used for DCS? n Hop Dgt? n Send EMU Visitor CPN? n
   Used for DCS? n Hop Dgt
Suppress # Outpulsing? n Format: unk-pvt
 Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider
                                                               Replace Restricted Numbers? n
                                                               Replace Unavailable Numbers? n
                                                                      Send Connected Number: y
                                                                 Hold/Unhold Notifications? y
                                     нота/Unnold Not
Modify Tandem Calling Number: no
                Send UUI IE? y
                 Send UCID? n
 Send Codeset 6/7 LAI IE? y
                                                                   Ds1 Echo Cancellation? n
    Apply Local Ringback? n
 Show ANSWERED BY on Display? y
                                     Network (Japan) Needs Connect Before Disconnect? n
```

On Page 5, configure the ports according the ds1 configured in Section 5.2.

add trunk-group 2	Page 5 of 21 TRUNK GROUP					
	Administered Members (min/max): 1/23					
GROUP MEMBER ASSIGNMENTS	Total Administered Members: 23					
Port Code Sfx Name	Night Sig Grp					
1: 001V601 MM710	2					
2: 001V602 MM710	2					
3: 001V603 MM710	2					
4: 001V604 MM710	2					
5: 001V605 MM710	2					
6: 001V606 MM710	2					
7: 001V607 MM710	2					
8: 001V608 MM710	2					
9: 001V609 MM710	2					
10: 001V610 MM710	2					
11: 001V611 MM710	2					
12: 001V612 MM710	2					
13: 001V613 MM710	2					
14: 001V614 MM710	2					
15: 001V615 MM710	2					

Note: Once the trunk group has been configured, modify the signaling-group to associate it with the trunk group configured in this section. Set the **Trunk Group for Channel Selection** to the trunk group number configured in this section.

5.5. Administer Route Pattern

Use the **change route-pattern** n command to configure a route pattern, where n is an available route patterns. Configure this route pattern as follows:

- Type a name in **Pattern Name** field
- For line 1, set **Grp No** to the trunk group configured in previous section, e.g., 2
- For line 1, set **FRL** to **0**
- Set the Numbering Format to lev0-pvt

cha	nge :	rout	e-p	bat	ter		rn N	Jumber	~• 2		Patter	rn Nam	e. P	STN		2	1 of	3	
						racee		SCCAN			Secure			5110	max				
	Grp	FRI	NE	PA	Pfx	Нор Т	oll										DCS/	IXC	
	No				Mrk	Lmt L	ist	Del	Digit	s							QSIG	;	
								Dgts									Intw	7	
1:	2	0															n	user	
2:																	n	user	
3:																	n	user	
4:																	n	user	
5:																	n	user	
6:																	n	user	
	BC	C VA	ALUE	C	TSC	CA-TS	С	ITC	BCIE	Serv	vice/Fe	eature	PARI	M N	о.	Numbe	ring	LAR	
	0 1	2 N	14	W		Reque	st							Dg	ts	Forma	t		
													Sı	lbad	dre	ess			
1:	УУ	УΣ	У У	n	У	none		rest	2							lev0-	pvt	none	
2:	У У	УΣ	У У	n	n			rest	5									none	
3:	У У	УΣ	У У	n	n			rest	5									none	
4:	У У	ΥУ	У У	n	n			rest	2									none	

5.6. Administer Private Numbering

Use the **change private-numbering 1** command to define the calling party number to send to Wesley Clover Solutions IP PBX.

Configure private numbering as follows:

• Add entries for trunk group configured in Section 5.4

change private-r	numbering 1			Page	1 of	2
	1	NUMBERING - PRI	IVATE FORMAT			
Ext Ext	Trk	Private	Total			
Len Code	Grp(s)	Prefix	Len			
4 4	2		4	Total Administer	ed: 1	
5 5			5	Maximum Entri	es: 540	

5.7. Administer AAR Analysis

Use the **change aar analysis** *n* command to configure routing for extensions starting with *n*. For compliance testing, extensions starting with 4 and 4 digits long were used to route calls to Wesley Clover Solutions IP PBX:

- Set **Dialed String** to starting digits of extensions that will be used, e.g., 4
- Set Min and Max to 4 for 4 digit extensions
- Set Route Pattern to the pattern configured in Section 5.5, e.g., 2
- Set Call Type to lev0

change aar analysis 4	7	דח קג.	GIT ANALY	STG TAR	I F	Page 1 of 2
	r.		Location:		Percent Full: 1	
Dialed	Tot	al	Route	Call	Node	ANI
String	Min	Max	Pattern	Type	Num	Reqd
4	4	4	2	lev0		n
4	5	5	2	aar		n
45000	5	5	30	aar		n
5	4	4	2	lev0		n
5	5	5	32	aar		n
552	10	10	10	aar		n
588	5	5	10	aar		n

5.8. Administer Stations

Administration of Avaya Stations/Extensions in Communication Manager is not shown in this document. Please refer to document [1] in reference section of this document.

6. Configure Wesley Clover Solutions

Wesley Clover Solutions trading platform utilizes Wesley Clover Solutions IP PBX, to allow for call routing via Q-SIQ trunks for inter-PBX and external call routing. The following information provides programming guidelines for Q-SIG connection between the Wesley Clover Solutions IP PBX and Avaya Aura[®] Communication Manager.

6.1. Assumptions

- It is assumed for the purposes of this document that the appropriate number of digital link licenses and T1 modules has been installed on Wesley Clover Solutions IP PBX. One Digital Link License, P/N 54000303, and one available RJ-45 port on a Dual T1/E1 Trunk MMC Module, P/N 50003560, is required for each Q-SIG T1
- The dialable Avaya extension numbers are 4 digits in length
- There are no dial restrictions for calls routing to the Avaya Aura® environment

Note: Configuration is performed via a web browser, by navigating to http://<**ip-address**>, where <**ip-address>** is the IP address of Wesley Clover Solutions IP PBX.

6.2. Create Digital Link Descriptor

Navigate to **Trunks** \rightarrow **Digital** \rightarrow **Digital** Link Descriptors (not shown) In this example 7 is used as a link descriptor.

- Set Integrated Digital Access to ISDN Node
- Set **QSIG Private Network Access** to **Yes**
- Set B8ZS Zero Code Suppression to Yes
- Set Operation Mode to CSU and Extended Super Frame to Yes

Cigital Link Descriptors

Number	7
Address for Message Control	A v
BER - Maintenance Limit, 10**-n	4
BER - Service Limit, 10**-n	3
Data Call Alternate Digit Inversion	⊙ No ○ Yes
Framing Losses in 24 hrs - Maintenance Limit	9000
Framing Losses in 24 hrs - Service Limit	9000
Integrated Digital Access	ISDN NODE
Vendor Inter-working Type	~
Satellite Link Delay	No O Yes
Slip Rate - Maintenance Limit (slips/24hr.)	9000
Slip Rate - Service Limit (slips/24hr.)	9000
Alarm Debounce Timer - Service Limit (millisec.)	500
Voice Encoding	Nil
Data Encoding	Nil 👻
QSIG Private Network Access	○ No
Digital Link Fault Delay Timer (sec.)	240
Termination Mode	○ LT
	⊙ NT
Send Malicious Call Indication to PSTN for Tagged Calls	No ○ Yes Yes
Inhibit sending Mitel Specific Info	○ No ○ Yes
T1 Only	
B8ZS Zero Code Suppression	○ No ^③ Yes
Operation Mode	CSU 💌
CSU Tx Line Build-Out (dB.)	0 🗸
DSX-1 Line Length (Ft.)	0-133 💌
Extended Super Frame	○ No [⊙] Yes
Inverted D channel (DPNSS only)	⊙ No ○ Yes
T1-619a Signalling (MLPP only)	O No ○ Yes
E1 Only	
CRC-4 Enabled	○ No [⊙] Yes
E1 Line Length (Ft.)	0-133 💌
E1 Impedance (Ohms)	0 75

6.3. Assign the Digital Link

Navigate to **Trunks** → **Digital** → **Digital** Links (not shown)

Apply the Digital Link Descriptor that was created in previous section to an available Digital Link port. This corresponds to the physical RJ-45 port on the Dual T1/E1 MMC module. For clarity it is recommended that the comment field be filled in.

Digital Links		
Controller Module	1	
Port	1	
Unit	6	
Shelf	1	
Slot	2	
Link	1	
Interface Type	LINIVERSAL T1	_
Digital Link Descriptor	7	
Comment	Q.SIG	
Resilient Link		
Resilient Link ID	1 ~	
Primary Network Element		*
Secondary Network Element		V

Save Cancel

6.4. Create MSDN-DPNSS-DASSII Trunk Circuit Descriptor

Navigate to **Trunks** \rightarrow **Digital** \rightarrow **MSDN-DPNSS-DASSII Trunk Circuit Descriptor** (not shown)

- Select Universal T1 from Card Type drop down menu
- Select Local Office from Far End Connection drop down menu

Number	_ 0
Number Card Type	UNIVERSAL T1
Dual Seizure Priority	Incoming Outroping
Far End Connection	Local Office
Signalling Protocol	MSDN-DPNSS DASS II
ISDN BRI Mode	×



6.5. Set the ISDN Protocol

Navigate to **Trunks** \rightarrow **Digital** \rightarrow **ISDN** \rightarrow **ISDN Protocol** (not shown) In the ISDN Protocol form:

- Set **Protocol** to **Q.SIG**
- Set Protocol Variant to ISO
- Select Fake Answer Supervision
- Select Enable Prefix Insertion
- Type in a **Comment** for information purposes

ISDN Protocol	
Controller Module	1
Port	1
Link Number	1
Interface Type	T1
Protocol	Q.SIG 🛛
Protocol Variant	ISO 👻
Network side/Q.SIG Master	
Enbloc	
Enable Unknown TON/NP	
Enable NI2 Service Message	s 🗆
Send NI2 Outgoing Name	
Replace External CLID	
Q.SIG Only	
Fake Answer Supervision	
Enable Prefix Insertion	
Comment	Avaya Q.SIG

6.6. Program Class Of Service (COS)

Navigate to System Properties \rightarrow System Feature Settings \rightarrow Class of Service Options (not shown)

Program a unique COS. In this example 7 is used. Add an identifier to the Comment field.

Class Of Service Number	7
Comment	QSIG

Set the following trunk options to Yes.

- ANI/DNIS/ISDN Number Delivery Trunk
- Public Network Access via DPNSS
- Public Network To Public Network Connection Allowed
- Trunk Calling Party Identification
- Trunk Flash Allowed
- Two B-Channel Transfer Allowed

Trunk

пк	
ANI/DNIS/ISDN Number Delivery Trunk	○ No ⊙ Ye
DASS II OLI/TLI Provided	⊙ No ⊖ Ye
Public Network Access via DPNSS	◯ No ☉ Ye
Public Network To Public Network Connection Allowed	© No ⊙ Ye
Public Trunk	⊙ No ⊖ Ye
R2 Call Progress Tone	⊙ No ○ Ye
Suppress Simulated CCM after ISDN Progress	⊙ No ○ Ye
Trunk Calling Party Identification	○ No ⊙ Ye
Trunk Flash Allowed	○ No ⊙ Ye
Two B-Channel Transfer Allowed	○ No ③ Ye

Verify Conference Call is set to Yes.

Co	nference	
	Conference Call	○ No ^③ Yes
	Disable Conference Join Tone	○ No ^③ Yes

6.7. Program Trunk Attributes

Navigate to **Trunks → Trunk Attributes** (not shown)

In this example, 7 is used as a Trunk Service Number.

- Set the **Class of Service** to the COS assigned in **Section 6.6**
- Set Class of Restriction to 1
- Set the Dial-In Trunk Incoming Digit Modification Absorb to 0
- Add a **Trunk Label**

Trunk Service Number	7	
Release Link Trunk	No 🗸	
Call Recognition Service	Off	
Class of Service	7	
Class of Restriction	1	
Baud Rate	9600 🗸	
Intercept Number	1	
Non-dial In Trunks Answer Point - Day		
Non-dial In Trunks Answer Point - Night 1		
Non-dial In Trunks Answer Point - Night 2		
Dial In Trunks Incoming Digit Modification - Absorb	0	
Dial In Trunks Incoming Digit Modification - Insert		
Dial In Trunks Answer Point		
Dial In Trunks Insert Forwarding Information	⊙ No ○ Yes	
Trunk Label	Q.SIG	

Save

Cancel

6.8. Program Digital Trunks

Navigate to **Trunks** \rightarrow **Digital** \rightarrow **Digital Trunks** (not shown) In the Digital Trunks form, program 23 trunks.

- Assign a unique trunk number to each circuit
- Assign the Trunk Service Number created in Section 6.7
- Assign the Circuit Descriptor Number created in **Section 6.4**
- Interconnect Number and Tenant Number fields may be left as default of 1

Cabinet	6
Shelf	1
Slot	2
Circuit	1
Card Type	UNIVERSAL T1
Trunk Number	7001
Trunk Service Number	7
DTS Service Number	
Circuit Descriptor Number	2
Interconnect Number	1
Tenant Number	1

6.9. Program Trunk Groups

Navigate to **Trunks** → **Digital** → **Trunk Groups** (not shown)

Create a new Trunk Group. In this example Trunk Group Number 7 is used.

- Select **Terminal** for **Hunt Mode**
- Type in descriptive name in **Comment**

Add Range Programming - <i>Trunk Groups</i> This form allows you to add one or more records.					Help	
 Enter the number of record Define the Add Range Private Name 		Increment by				
Trunk Group Number	7					
Hunt Mode	 Terminal Circular 					
Trunk Group Busy RAD						
Maximum Network Hop						
Comments	Q-SIG	-				
				Preview	Save	Cancel

Add the 23 trunk members created in **Section 6.8** to the newly created group.

Add Range Programming - Trunk Group Members Help This form allows you to add one or more records. Help					
	er of records to add: Range Programming Value to Add	g Pattern	ment by		
Trunk Number	7001	1			
			Preview	Save	Cancel

6.10. Program Class Of Restriction Group

Navigate to System Properties \rightarrow System Feature Settings \rightarrow Class of Restriction Groups (not shown)

Verify that the class has no restrictions. Choose an index number without any restrictions applied. In this example **Number 1** is used. Note that the **Classes of Restriction For Group** is blank indicating no restrictions.

Class of Restriction Groups	
Number	1
Classes Of Restriction For Group	
	l l
	[
	Save Cancel

6.11. Program Digit Modification Plan

Navigate to Call Routing → Automatic Route Selections (ARS) → ARS Digit Modification Plans

In this example **Digit Modification Number** of **1** is used. Set the **Number of Digits to Absorb** to **0**.

Digit Modification Number	1
Number of Digits to Absorb	þ
Digits to be Inserted	
Final Tone Plan/Information Marker	

6.12. Program Route Assignment Form

Navigate to Call Routing \rightarrow Automatic Route Selection (ARS) \rightarrow ARS Routes (not shown) In this example Route Number of 2 is used.

- Set Routing Medium to TDM Trunk Group
- Set Trunk Group Number created in Section 6.9
- Set COR Group Number from Section 6.10
- Set Digit Modification Number from Section 6.11

ARS Routes		
Route Number	2	
Routing Medium	TDM Trunk Group	~
Trunk Group Number	7	
SIP Peer Profile	×	
PBX Number / Cluster Element ID		
COR Group Number	1	
Digit Modification Number	1	1
Digits Before Outpulsing	~	
Route Type		×
Compression	Off 🗸	

Save

Cancel

6.13. Program ARS Digits Dialed Form

Navigate to **Call Routing** \rightarrow **Automatic Route Selection** (**ARS**) \rightarrow **ARS Digits Dialed** In this example the Avaya extension are 5 digits in length and begin with a 2.

- Program the **Digits Dialed** field with the 1st digit of Avaya extensions
- Program the **Number of Digits to Follow** field to be the number of digits in the Avaya extension, minus 1 digit (the "2" programmed in Digits Dialed)
- Select **Route** for **Termination Type**
- Program **Termination Number** to match the route created in **Section 6.12**

Add Range Programming - ARS Digits Dialed Help This form allows you to add one or more records. Help 1. Enter the number of records to add: 1 2. Define the Add Range Programming Pattern: 1						
Field Name	Value to Add	Increm	ent by			
Digits Dialed	2					
Number of Digits to Follow	4 💌					
Termination Type	Route 💌	-				
Termination Number	2					
		Preview	Save	Cancel		

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7. Verification Steps

7.1. Avaya Aura® Communication Manager

From the SAT interface, use the **status trunk** *n* command to check the status of the trunk, where *n* is the number of trunk group configured in Section 5.4. The Service State of in-service/idle indicates that the Q-SIG trunk between Communication Manager and Wesley Clover Solutions IP PBX is in service.

```
status trunk 6
                              TRUNK GROUP STATUS
Member Port Service State
                                      Mtce Connected Ports
                                      Busy
0002/001 001V601 in-service/idle
0002/002 001V602 in-service/idle
                                    no
                                       no
0002/003 001V603 in-service/idle
                                    no
0002/004 001V604 in-service/idle no
0002/005 001V605 in-service/idle
                                     no
```

7.2. Wesley Clover Solutions

Navigate to Maintenance and Diagnostic → Maintenance Commands

The following maintenance commands may be useful for testing and validation. Please refer to the Wesley Clover Solutions IP PBX help files for additional commands and detailed descriptions.

- DTSTAT READ <QSIG Link PLID> LAST 2 This command will show the link status of the QSIG trunks for the last 2 hours.
- STAT TRUNK GROUP <trunk group number> Use this command to view the status of the QSIG trunk. <trunk group number> qualifier is trunk group assigned to the QSIG trunks.
- DGT TRACE <number> This command is useful to validate outbound ARS routing.
- LOGS READ SMDR NEWEST <number> • This command may be used to check call records for inbound or outbound calls. <number> is the number of records to read.

8. Conclusion

Wesley Clover Solutions Trading Platform was able to successfully interoperate with Avaya Aura® Communication Manager. All executed test cases passed.

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SPOC 12/13/2013	©2013 Avaya Inc. All Rights Reserved.	WCSCM63

9. Additional References

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

 Administering Avaya Aura® Communication Manager, Release 6.3, Document 03-3005089, Issue 7.0, December 2012

Product information for Wesley Clover Solutions Trading Platform can be obtained from <u>www.wesleycloversolutions.com</u>

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