

Avaya Solution & Interoperability Test Lab

Application Notes for Witness Systems Impact 360 and Avaya Proactive Contact - Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Witness Systems Impact 360 to successfully interoperate with Avaya Proactive Contact. Witness Systems Impact 360 is a call recording solution capable of capturing audio from Avaya Communication Manager using a variety of integration mechanism. Witness Systems Impact 360 uses Avaya Proactive Contact Event Service to extract call event information and T1 lines on the Avaya Media Gateway to obtain the audio.

Information in these Application Notes has been obtained through interoperability compliance testing and additional technical discussions. Testing was conducted via the Developer *Connection* Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe a compliance-tested configuration comprised of Avaya Proactive Contact 3.0 (PC3) and Witness Systems Impact 360 7.6. Impact 360 uses the Event Service of Avaya Proactive Contact 3.0 to extract call event information and T1 lines on the Avaya Media Gateway to obtain the audio.

There are different system deployment options for Avaya Proactive Contact 3.0. The deployment used in this configuration is the Avaya Proactive Contact with CTI. The Avaya Proactive Contact with CTI is a software solution that uses Avaya Telephony Services API (TSAPI) service from Avaya Application Enablement Services (AES) to communicate with Avaya Communication Manager. PC3, using Avaya Communication Manager, initiates outbound calls from a calling list. Once the call is connected to a customer, PC3 transfers the outbound call to an available agent. The Event Service of PC3 provides access to real time events and statistical information. Impact 360 interfaces with the Event Service by using the IP address of PC3 to login and register for events. Impact 360 uses the call events from the Event Service to determine when to begin and end call recording.

Impact 360 uses the Service Observing feature of Avaya Communication Manager to record calls. The Impact 360 server has a Dialogic D240 Voice Card that connects to the T1 from Avaya Communication Manager. The T1 channels are configured as DS1FD stations and are used to record the calls on the agents' telephones.

The network configuration is depicted in **Figure 1**.

Avaya Proactive Contact 3.0 Integration with Witness Impact 360 7.6

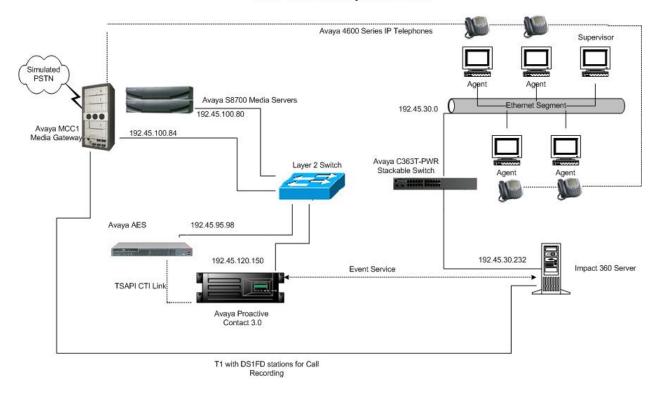


Figure 1: Avaya Proactive Contact 3.0, Avaya Communication Manager, Avaya AES and Witness Impact 360 Configuration

2. Equipment and Software Validated

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

Equipment	Software
Avaya HP C8000 Server	Proactive Contact 3.0 Build 36
Avaya S8700 Media Server	Avaya Communication Manager
	3.0.1 (R013x.00.1.346.0)
Avaya MCC1 Media Gateway	
TN2312BP IP Server Interface	HW03 FW012
TN799DP C-LAN Interface	HW01 FW015
TN2302AP IP Media Processor	HW13 FW095
Avaya 4610 and 4612 IP Telephones	2.1.3 (4610SW), 1.8.3 (4624SW)
Avaya Application Enablement Services Server	3.0 Build 46
Avaya C363T-PWR Converged Stackable Switch	4.3.12
Witness Impact 360 on Windows 2000 Server	7.6 (Version 7.6.1.143)
Dialogic Voice Card in Impact 360 Server	D/240 PCI-T1

3. Configure Avaya Communication Manager

This section provides the procedures for configuring Avaya Communication Manager. The following steps will be followed:

- Configure service observing feature
- Configure DS1FD stations

For all other provisioning information, please refer to the Avaya Communication Manager product documentation.

The Avaya Communication Manager to Avaya Proactive Contact configuration is outside the scope of these Application Notes and should already be operating successfully with the following features properly configured.

- Computer Telephony Adjunct Links
- Agent States enabled
- Call Classification enabled
- Universal Call ID enabled
- Phantom Calls enabled
- Phantom Stations
- Vector Directory Numbers
- Vectors
- Announcements
- Reason Code
- Automatic Route Selection

Consult Application Notes - *Sample Avaya Proactive Contact 3.0 (PC3) with CTI Installation and Configuration*, Issue 1.0, Avaya Solution and Interoperability Test Lab – for further guidance.

3.1. Service Observing

Impact 360 uses the Avaya Communication Manager Service Observing feature to record calls on agent telephones. Implementation of the required Service Observing feature on Avaya Communication Manager can be achieved using the following series of steps. These steps are performed through the System Access Terminal (SAT) interface. The Avaya Site Administration program can be used to access the SAT interface via a telnet session.

Step | **Description**

1. Verify that the Service Observing (Basic) and Service Observing (Remote/By FAC) fields are set to "y" using the display system-parameters customer-options command. If they are not set to "y", contact your Avaya sales team or business partner. A system license file controls the settings on the Call Center Optional Features form.

```
display system-parameters customer-options
                                                                                 6 of 11
                            CALL CENTER OPTIONAL FEATURES
                             Call Center Release: 3.0
                                    ACD? y
                                                                        Reason Codes? y
 BCMS (Basic)? y

BCMS/VuStats Service Level? y

BSR Local Treatment for IP & ISDN? n

Service Observing (Remote/By FAC)? y
                    Business Advocate? n
                                                Service Observing (VDNs)? y
                      Call Work Codes? y
                                                                           Timed ACW? v
      DTMF Feedback Signals For VRU? n
                                                                  Vectoring (Basic)? y
                    Dynamic Advocate? n
                                                              Vectoring (Prompting)? y
                                                       Vectoring (G3V4 Enhanced)? y
       Expert Agent Selection (EAS)? y
                                                         Vectoring (3.0 Enhanced)? n
                               EAS-PHD? y
                     Forced ACD Calls? n Vectoring (ANI/II-) (3.0 Ennanced)? n

Vectoring (ANI/II-) (3.0 Ennanced)? n

Vectoring (ANI/II-) (3.0 Ennanced)? n
                Least Occupied Agent? n
                                                Vectoring (G3V4 Advanced Routing)? y
           Lookahead Interflow (LAI)? y
                                                                 Vectoring (CINFO)? y
Multiple Call Handling (On Request)? y
Multiple Call Handling (Forced)? y
                                                Vectoring (Best Service Routing)? n
                                                               Vectoring (Holidays)? n
                                                             Vectoring (Variables)? n
  PASTE (Display PBX Data on Phone)? y
         (NOTE: You must logoff & login to effect the permission changes.)
```

2. Add a feature access code for service observing listen only. Enter "*05" or a feature access code that conforms to the local dial plan in the Service Observing Listen Only Access Code field using the change feature-access-codes command. Submit these changes.

```
change feature-access-codes
                                                                Page
                                                                       5 of
                               FEATURE ACCESS CODE (FAC)
                         Automatic Call Distribution Features
                    After Call Work Access Code: *13
                             Assist Access Code:
                            Auto-In Access Code: *15
                           Aux Work Access Code: *16
                              Login Access Code: *17
                             Logout Access Code: *20
                          Manual-in Access Code: *12
      Service Observing Listen Only Access Code: *05
      Service Observing Listen/Talk Access Code: *06
                  Add Agent Skill Access Code:
                Remove Agent Skill Access Code:
            Remote Logout of Agent Access Code:
```

3.2. DS1FD Lines from the Media Gateway to the Impact 360 server

Impact 360 uses T1 or E1 lines configured as DS1FD stations to record telephone calls. Implementation of the required DS1FD stations on Avaya Communication Manager can be achieved using the following series of steps. These steps are performed through the System Access Terminal (SAT) interface. The Avaya Site Administration program can be used to access the SAT interface via a Telnet session.

Step	Description			
1.	Add a DS1 circuit pack to the system. The DS1 circuit pack is configured for robbed-bit signaling. Enter a descriptive name in the Name field. Set the Line Coding , Framing Mode , and Signaling Mode fields as shown. The remaining fields can retain the default values.			
	add dsl 1b17 DSl CIRCUIT PACK			
	Location: 01B17 Name: Witness Bit Rate: 1.544 Line Coding: ami-zcs			
	Line Compensation: 1 Framing Mode: d4 Signaling Mode: robbed-bit			
	Interface Companding: mulaw Idle Code: 11111111			
	Slip Detection? n Near-end CSU Type: other			

Step | **Description**

3. Enter the **change cor n** command, where **n** is the class of restriction number. This COR will be used by the DS1FD stations. Set the **Can Be a Service Observer** field to "y".

```
change cor 4
                                                                                  Page
                                                                                           1 of
                                       CLASS OF RESTRICTION
                   COR Number: 4
             COR Description: Witness Server
                            FRL: 7
                                                                             APLT? y
Can Be Service Observer? y

Can Be A Service Observer? y

Called Party Restriction: none

Time of Day Chart: 1

Priority Queuing? n

Restriction Override: all

Pestricted Call List? n

Can Change Coverage? n
      Restricted Call List? n
                                                          Can Change Coverage? n
               Access to MCT? y
                                                  Fully Restricted Service? n
           Access to MCT? y
Category For MFC: 7
Send ANI for MFE? n
MF ANI Prefix:
Group II Category For MFC: 7
                                                  Hear VDN of Origin Annc.? n
                                                   Add/Remove Agent Skills? n
              MF ANI Prefix:
                                                 Automatic Charge Display? n
Hear System Music on Hold? y PASTE (Display PBX Data on Phone)? n
                              Can Be Picked Up By Directed Call Pickup? n
                                              Can Use Directed Call Pickup? n
                                              Group Controlled Restriction: inactive
```

4. Use the **add station n** command, where **n** is a valid extension. Configure each DS1 channel as a station with the **Type** field set to "DS1FD". Set the **COR** field to "4". Repeat this configuration for each DS1 channel. In this configuration, 24 DS1 ports were configured with an extension range of 22285 to 22308.

```
add station 22285
                                                                       1 of
                                                                Page
                                       STATION
                                              Lock Messages? n
Extension: 22285
                                                                         BCC: 0
                                           Security Code:
Coverage Path 1:
                                                                          TN: 1
     Type: DS1FD
     Port: 01B1701
                                                                         COR: 4
                                           Coverage Path 2:
Hunt-to Station:
     Name: CR Port 25
                                                                         cos: 1
                                                                       Tests? y
STATION OPTIONS
              Loss Group: 4
    Off Premises Station? y
       R Balance Network? n
```

tep	Description		
5.	On Page 2 of the station form, set the Data Restriction , Call Waiting Indication, Att		
•			
	Call Waiting Indication, Distinctive At	udible Alert, and Switchhook Flash fields to	
	"n". The remaining fields on the station	form can retain the default values.	
	8		
	add station 22285	Page 2 of 3	
		STATION	
	FEATURE OPTIONS		
	LWC Reception: none		
	LWC Activation? n	Coverage Msg Retrieval? n	
	LWC Log External Calls? n	Auto Answer: none	
	CDR Privacy? n	Data Restriction? n	
	Redirect Notification? n	Call Waiting Indication? n	
	Per Button Ring Control? n	Att. Call Waiting Indication? n	
		Distinctive Audible Alert? n	
	Switchhook Flash? n	Adjunct Supervision? y	
	Ignore Rotary Digits? n H.320 Conversion? n	Day Ghatian GDW Gand Gallian Washang	
	H.320 Conversion? n Service Link Mode: as-needed	Per Station CPN - Send Calling Number?	
	Multimedia Mode: basic	Audible Message Waiting? n	
	MWI Served User Type:	Audible Message Walting: II	
	AUDIX Name:		
	AUDIA Name:	Coverage After Forwarding? s	
		Multimedia Early Answer? n	
		Tarormoura Barry This Wor. II	
	Emergency Location Ext: 22285		
	J .		

4. Configure Avaya Proactive Contact 3.0

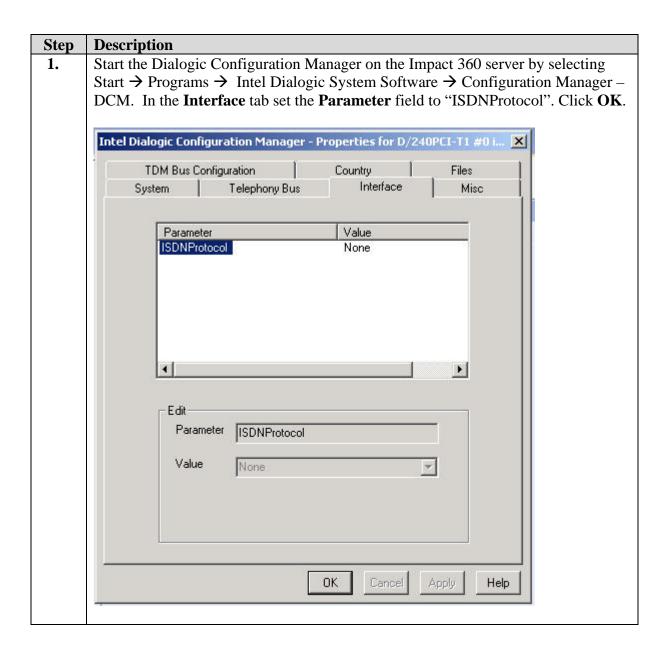
These Application Notes assume that the interface between the Avaya Proactive Contact 3.0, Avaya S8700 Media Server and Avaya Application Enablement Services has been configured and is operational, and that a calling list has been successfully downloaded to PC3. The Avaya Proactive Contact that is deployed for this test configuration is the Avaya Proactive Contact 3.0 with CTI. This deployment uses a TSAPI CTI link between Avaya Communication Manager and Avaya Application Enablement Services.

5. Configure Witness Impact 360

The following steps describe the configuration to integrate Impact 360 with Avaya Proactive Contact 3.0.

5.1. Dialogic D/240 Configuration

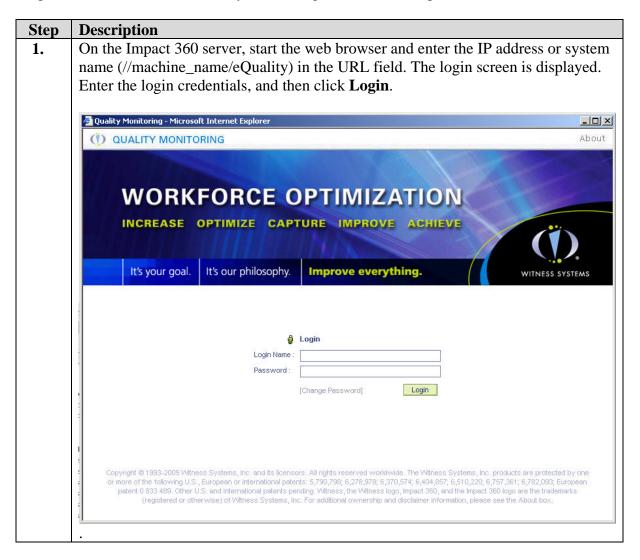
The Voice Board installed on the Impact 360 server is the Dialogic D/240. The Dialogic D/240 was configured as a robbed-bit T1 for the compliance testing.



System Service Status: Stopped

5.2. Impact 360 System Administration Configuration

The steps in this section describe the system configuration of the Impact 360 server.



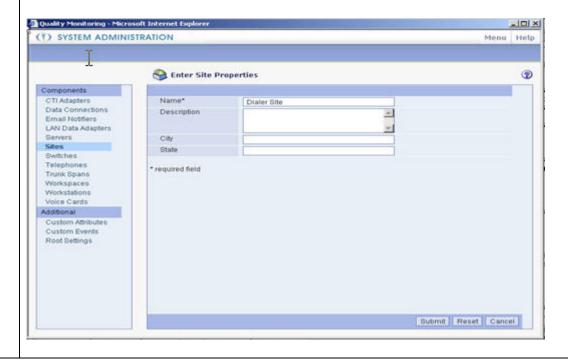


Step Description

3. The System Administration menu is displayed in the left pane. All system settings are configured from this menu.



4. From the left pane, click on **Sites** and then click **Create**. Enter the **Name** field with a unique name that identifies the server location. The remaining fields are optional. Click **Submit**.

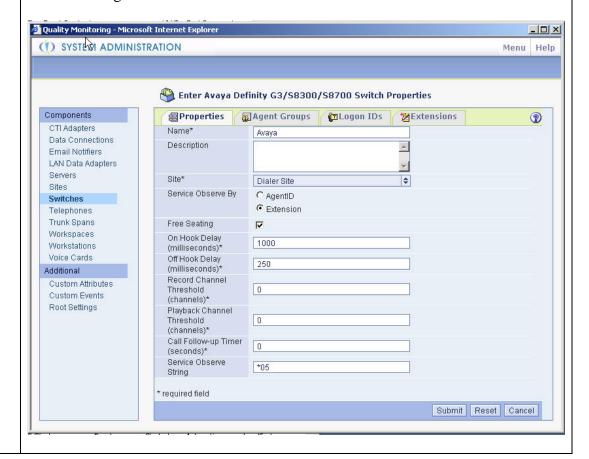


Description Step 5. From the left pane, click on **Data Connections** and then click **Create**. Configure the following fields. Name – set to a unique name for the data connection. **Free Seating** – check the checkbox. **Site** – set to the site created in Step 4. The remaining field can retain their default values. Click **Submit**. Quality Monitoring - Microsoft Internet Explorer (1) SYSTEM ADMINISTRATION Menu Help Enter Data Connection Properties Components Properties € Logon IDs 7 CTI Adapters **Data Connections** Name* Avaya Dialer **Email Notifiers** Description Δ LAN Data Adapters Servers Free Seating Switches ContactStore Plus Telephones Trunk Spans Record Channel 0 Workspaces Threshold Workstations Playback Channel 0 Threshold Additional **Custom Attributes** Site* Dialer Site **Custom Events** Root Settings * required field Submit Reset Cancel

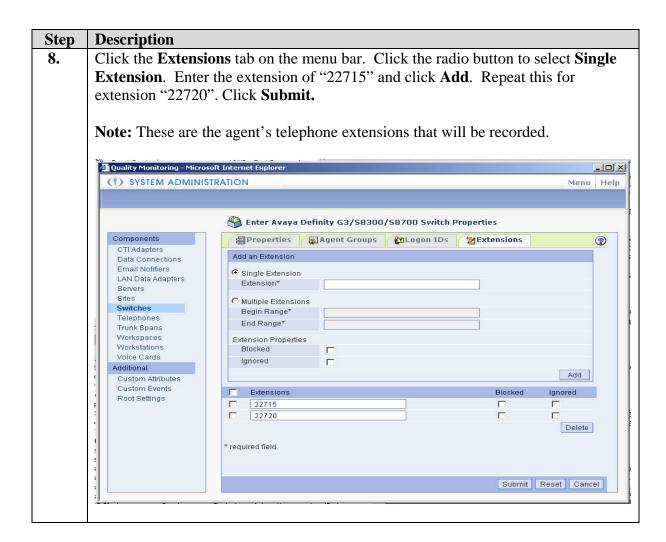
Step | **Description**

- From the left pane, click on **Switches** and then click **Create**. The Switch Selection page is displayed (not shown). Click **Avaya Definity G3/S8300/S8700 Switch**. The **Enter Avaya Definity G3/S8300/S8700 Switch Properties** page for the selected switch type is displayed. Configure the following fields.
 - Name set to a unique name that identifies the switch.
 - **Site** set to the site created in Step 4.
 - **Service Observed by** set to Extension.
 - **Free Seating** check the checkbox.
 - **Service Observing String** set to "*05", as configured in Section 3.2 Step 2.

The remaining field can retain their default values. Click **Submit**.



Step **Description** 7. Click the Logon IDs tab on the menu bar. Click the radio button to select Single **ID**. Enter the **Logon ID** of "2000" and click **Add**. Repeat this for **Logon ID** of "2001". Click Submit. **Note:** The Logon IDs can be found in the /etc/passwd file on the PC3 server. The Logon IDs are automatically generated by PC3 and corresponds to the PC3 agent IDs that the PC3 administrator creates. NO X (1) SYSTEM ADMINISTRATION Menu Help Enter Avaya Definity G3/S8300/S8700 Switch Properties @Properties Agent Groups CaLogon IDs Extensions D. CTI Adapters Data Connections Email Notifiers Add a Logon ID: LAN Data Adapters Logon ID* C Multiple IDs Begin Range* Telephones Trunk Spans End Range* Workspaces Workstations Voice Cards Add ☐ Legen IDs 2000 Delete * required field Submit Reset Cancel

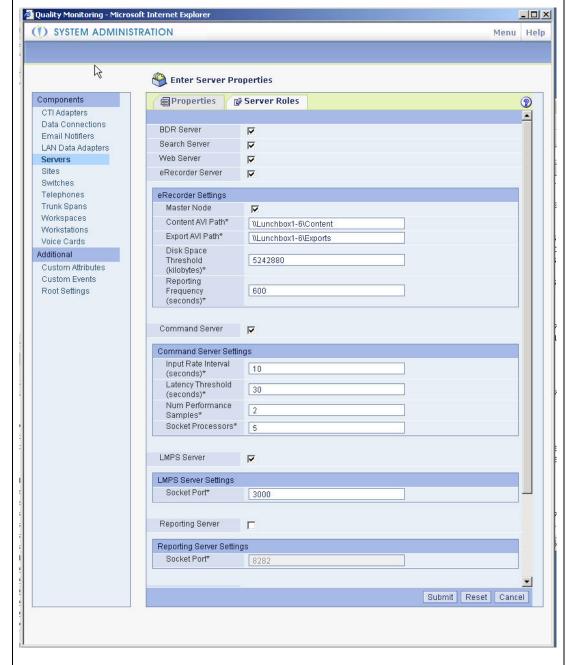


Description Step From the left pane, click on Servers and then click Create. Configure the 9. following fields in the **Properties** tab. Name – set to a unique name for the Impact 360 server. **Site** – set to the site created in Step 4. **Host Name** – set to the same value as the **Name** field. The remaining fields are optional. Click **Submit**. _ | U × (1) SYSTEM ADMINISTRATION Menu Help Enter Server Properties Components Properties Server Roles 7 CTI Adapters Data Connections Lunchbox1-6 Email Notifiers Description _ LAN Data Adapters Lunchbox1-6 Servers Site* + Switches Host Name* Trunk Spans Workspaces * required field Workstations Additional Custom Attributes Root Settings Submit Reset Cancel

Step | Description

- 10. Click **Server Roles** tab on the menu bar. Configure the following fields.
 - **BDR Server** check the checkbox.
 - **Search Server** check the checkbox.
 - **Web Server** check the checkbox.
 - **eRecorder Server** check the checkbox.
 - **Content AVI Path** set to "\\<Server Name>\Content".
 - **Export AVI Path** set to "\\<Server Name>\Exports".

The remaining field can retain their default values. Click **Submit**.



Description Step 11. From the left pane, click on **Telephones** and then click **Create**. Configure the following fields. **Name** – set to a unique name for the telephone. **Switch** – set to the Switch name created in Step 6. Click Set Primary Extension. Quality Monitoring - Microsoft Internet Explorer _ | X (1) SYSTEM ADMINISTRATION Menu Help 1 Enter Telephone Properties Components CTI Adapters Name* tele 22721 Data Connections Description A Email Notifiers LAN Data Adapters Servers Switch* **\$** Avaya Sites Primary Extension* Switches Telephones Set Primary Extension Trunk Spans Associated Secondary Extensions Workspaces Workstations Voice Cards Set Secondary Extensions Additional **Custom Attributes** * required field **Custom Events** Root Settings Submit Reset Cancel

Step | **Description**

12. The Available Extensions will be the extensions configured in Step 8. Click the radio button next to the extension to associate with this telephone. Click **Submit**.



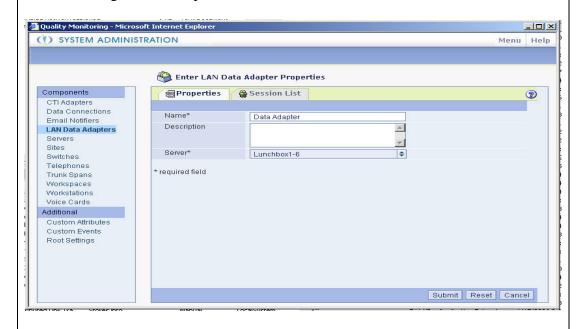
The **Succeeded** window is displayed. Click **Yes** to add another telephone and continue until all telephones have been created. Click **No** when the last telephone has been added.



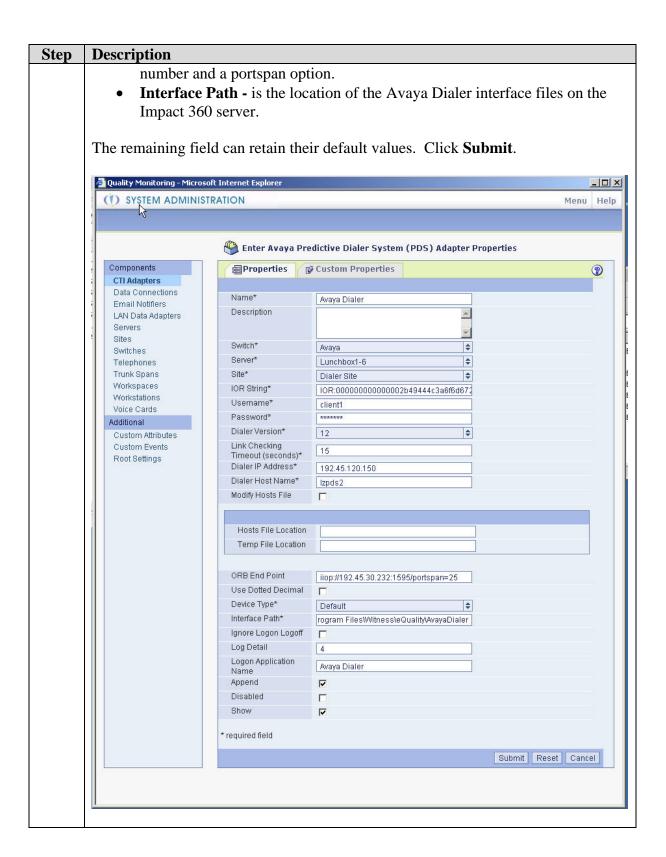
Step Description

- 14. From the left pane, click on LAN Data Adapters and then click Create. Configure the following fields in the Properties tab.
 - Name set to a unique name for the data adapter.
 - **Server** set to the Server name created in Step 9.

The remaining fields are optional. Click **Submit**.



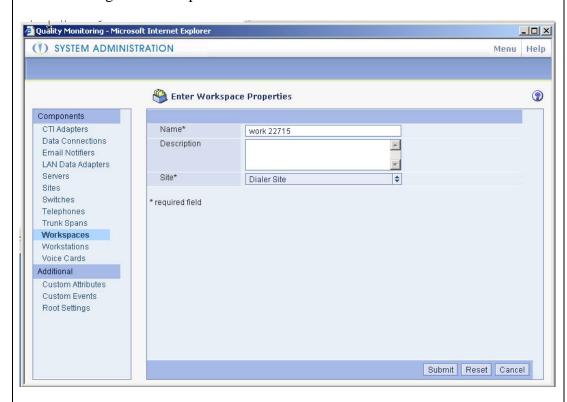
- From the left pane, click on **CTI Adapters** and then click **Create**. Select the Avaya Predictive Dialing System (PDS) Adapter and the appropriate properties screen is displayed. Configure the following fields in the **Properties** tab.
 - Name set to the Data Connection created in Step 5.
 - **Switch** set to the Switch created in Step 6.
 - **Server** set to the Server created in Step 9.
 - **Site** set to the Site created in Step 4.
 - **IOR String** this string is found in the file "**ns_ior**" located on the PC3 server in the directory: "//opt/Avaya/services/data". This string is used to locate the CORBA services on PC3.
 - Username set to the username for Event Service on PC3.
 - **Password** set to the password for Event Service on PC3.
 - **Dialer Version** set to "12". The next version of Impact 360 will have the correct gui drop down list with an option for "PC3".
 - Link Checking Timeout is defaulted to 30 seconds. This interval is used to check for an active connection between the Impact 360 server and PC3.
 - **Dialer IP Address** set to the IP Address of the PC3 server.
 - **Dialer Host Name** set to the name of the PC3 server.
 - **ORB End Point** specifies how the Dialer Adapter connects to the Impact 360 server. It contains the IP address of the Impact 360 server, a return port



Step Description

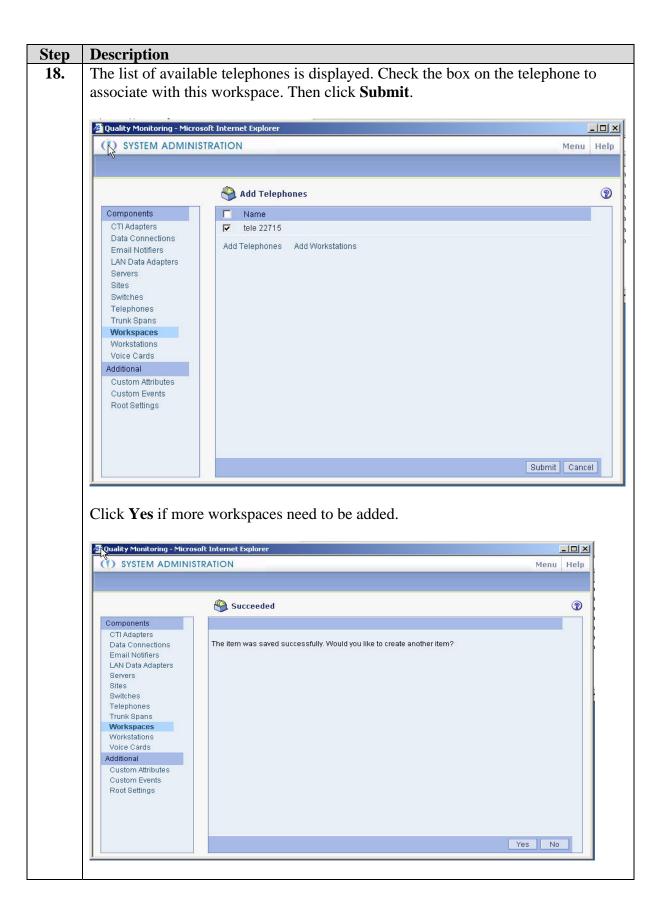
- 17. From the left pane, click on **Workspaces** and then click **Create**. Configure the following fields.
 - Name set to a unique name for the workspace.
 - **Site** set to the Site created in Step 4.

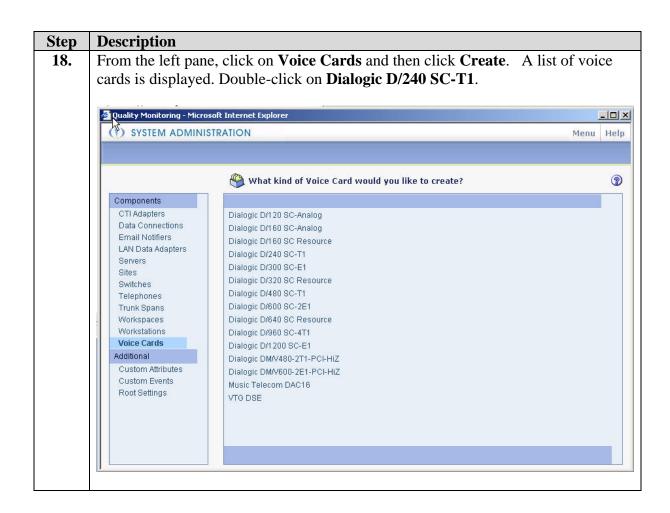
The remaining fields are optional. Click Submit.



Click **Yes** to add telephones to workspace.



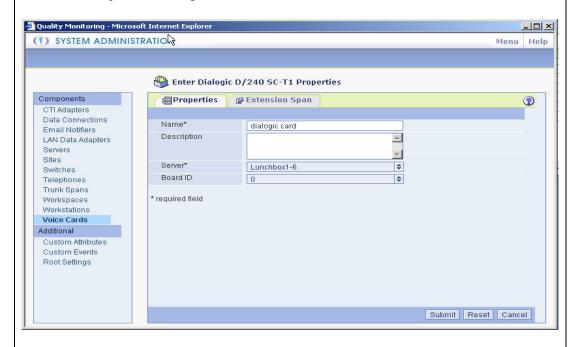




Step | **Description**

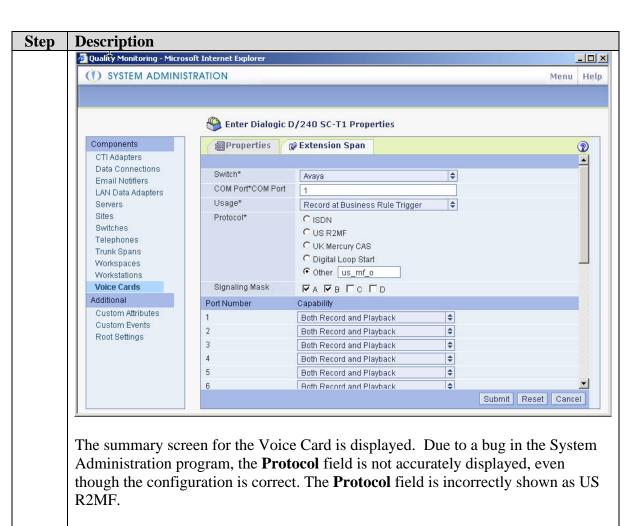
- 19 Configure the following fields in the **Properties** tab.
 - Name set to a unique name for the voice card.
 - **Server** set to the Server created in Step 9.
 - **Board ID** set to the physical location of the board on the Impact 360 server.

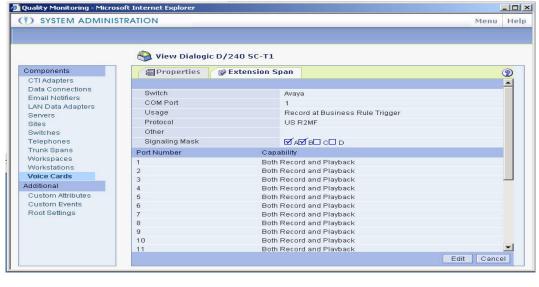
The remaining fields are optional. Click **Submit**.



- 20. Click the **Extension Span** tab on the menu bar. Configure the following fields in the **Extension Span** tab.
 - **Switch** set to the Switch created in Step 6.
 - **COM Port** set to "1".
 - Usage set to "Record at Business Rule Trigger".
 - **Protocol** select **Other** and set to "us_mf_o".
 - **Server** set to the Server created in Step 9.
 - **Board ID** set to the physical location of the board on the Impact 360 server.

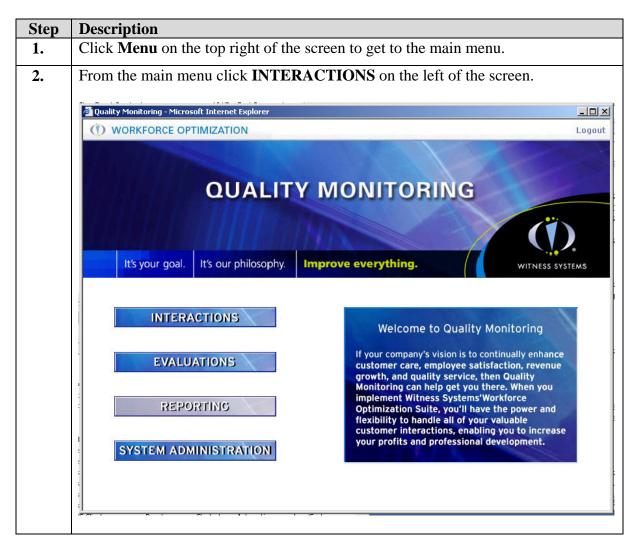
The remaining field can retain their default values. Click **Submit**.





5.3. Impact 360 Interaction Configuration

The interaction configuration sets up business rules, creates users and manages contacts. The steps in this section describe the interaction configuration of the Impact 360 server.



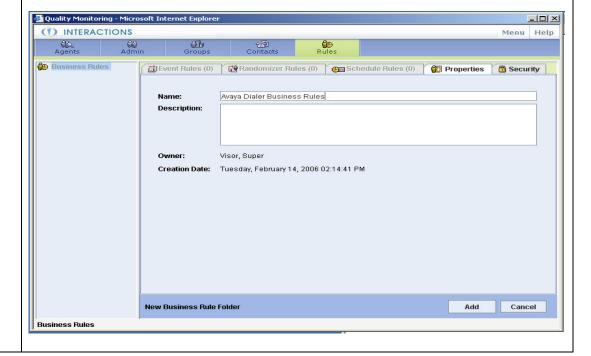
Step Description

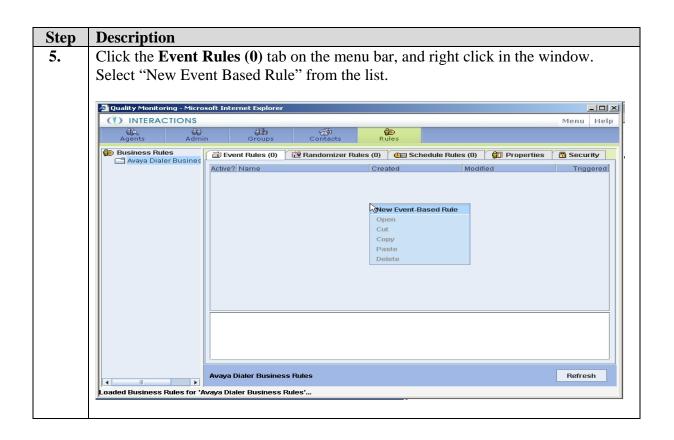
Impact 360 monitors events received from PC3 and acts on those events based upon business rules. A single rule was used for this configuration which enables contact recording when a connect event is received. Select **Rules** from the menu bar.

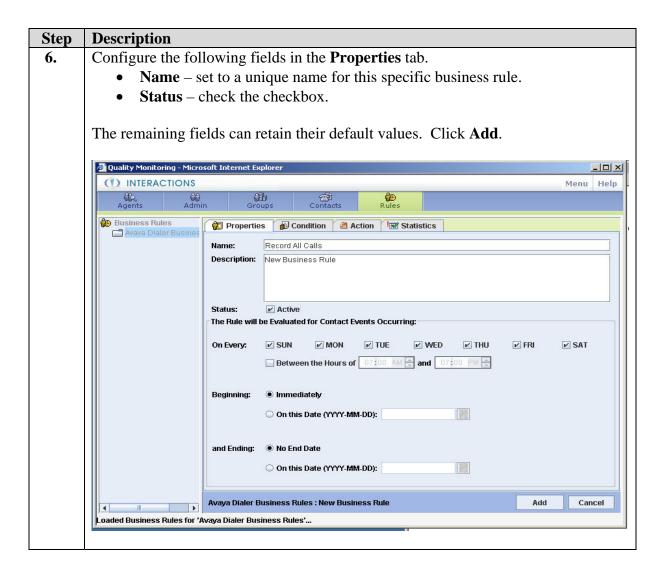


- 4. From the left pane, click on **Business Rules.** Configure the following field in the **Properties** tab.
 - Name set to a unique name for the business rule.

The remaining fields are optional. Click **Add**.







X

Conditional Expression to be Evaluated.

/* Event Domain
/* Event Type

Attributes

Contact

Event

(Attribute Attributes

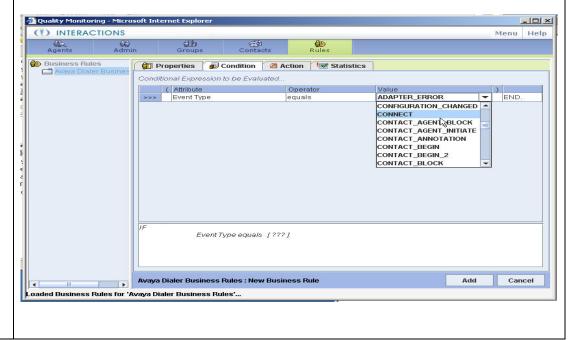
Loaded Business Rules for 'Avaya Dialer Business Rules'..

OK Cancel

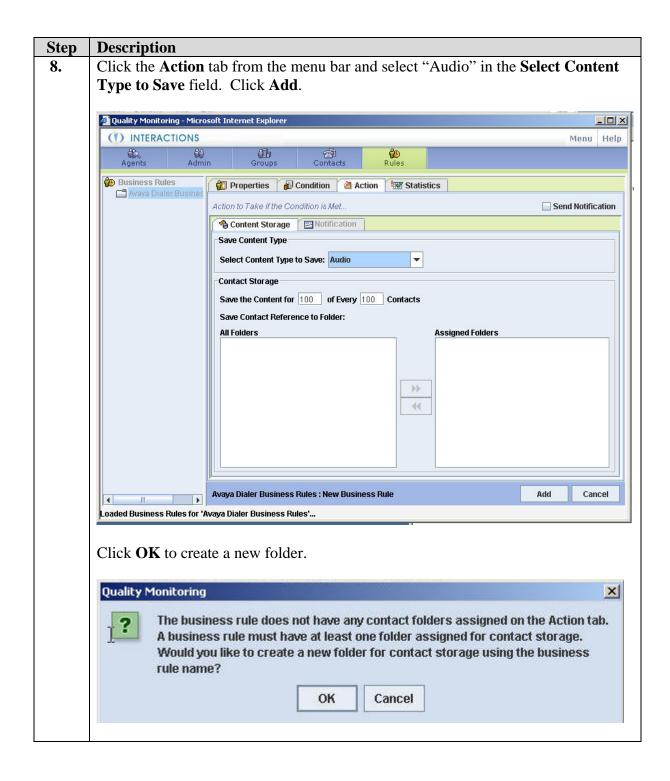
Avaya Dialer Business Rules: New Business Rule

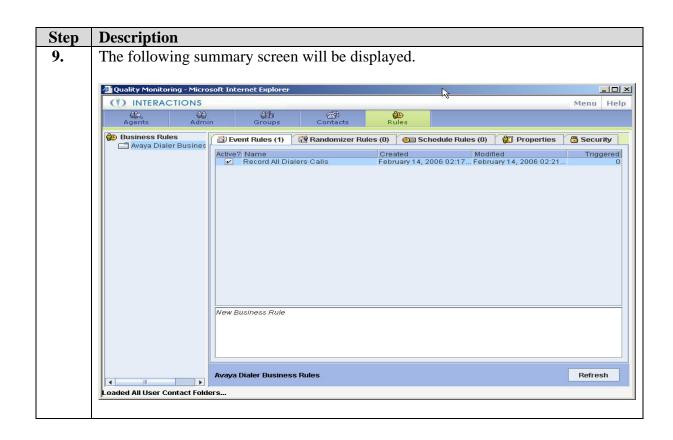
Add Cancel

Select "CONNECT" in the Value field from the pull-down menu, then click Add.



END.





Description Step **10.** Agents can be grouped as a set of users with the same role and the same supervisor. Click **Admin** tab from the menu bar. From the **Properties** tab, select the **Available IDs**, then click **ADD** to add to the **Assigned ID**. Repeat the step to add additional IDs. Quality Monitoring - Microsoft Internet Explorer _ | X (1) INTERACTIONS Menu Help Users Inactive Users Not Assigned Assigned Users Properties First Name: Deraviyam Middle Name: eQuality Administrati Director_Americ Last Name: Jacob Visor, Super Visor, Super Visor, Super Reddy, Kond Visor, Super eQuality Administrator Supervisor: • General 👸 Agent IDs 🥏 User Fields 🗎 Comments System Device: Avaya Available IDs Assigned ID System Device Seating Selected ID/Device Avaya pc32 V

Reset Password

Roles

Done retrieving property and summary information.

Remove

Reset

Update

6. Interoperability Compliance Testing

Interoperability compliance testing covered feature functionality, serviceability and basic load testing. Feature functionality focused on verifying that Impact 360 could successfully record calls when using events from PC3 Event Service. Serviceability testing verified that the Impact 360 server recovered from adverse conditions, such as rebooting, power failure and network disconnect. Basic load testing verified that Impact 360 could successfully record calls for an extended period of time.

6.1. General Test Approach

Serviceability and basic functionality test cases were performed manually. During the manual tests, outbound calls were placed by Avaya PC3 and routed to an available agent. The agent accepted the call and the conversation were recorded between the customer and the agent. The recordings (contacts) were retrieved using the Interactions web-based program. During the basic load testing, Avaya PC3 executed a calling list which delivered calls to the agents for sustained periods.

6.2. Test Results

Impact 360 successfully recorded, stored and played back the outbound calls. For serviceability testing, Impact 360 was able to resume recording calls after restoration of connectivity to the PC3 server, after network disconnect/re-connect, and after resets of the Impact 360 server. For performance testing, Impact 360 successfully recorded calls for a sustained period of time.

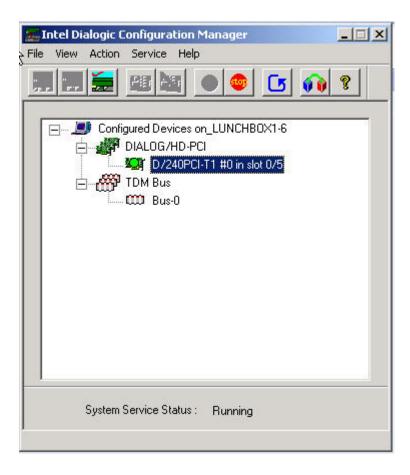
The following observation was obtained from testing:

• Avaya Proactive Contact 3.0 with CTI allows agents to hold, conference, transfer, place manual calls or answer inbound calls only from their telephone and not from the PC3 desktop application. (This is not the case for the other system deployment options of PC3 with the PG230 or switch cabinet.) Therefore, the test cases had the agents perform these activities from their telephone. These activities using the telephone do not generate events on PC3 Event Service. When the agents consults, transfers or conferences the call, Impact 360 only stops the call recording of the agent once the agent releases the line and a CALLDISCONNECT event is sent from PC3 Event Service.

7. Verification

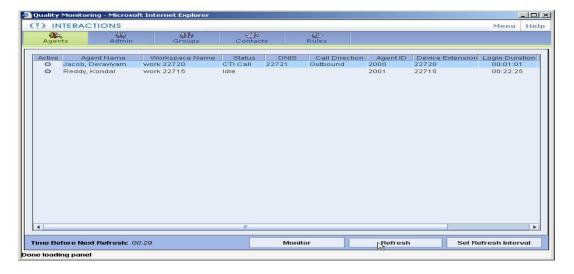
7.1. Dialogic D/240 Voice Board

On the Impact 360 server, verify the voice board is running by navigating to Start → Programs → Intel Dialogic System Software → Configuration Manager –DCM. Select the devise "D/240PCi-T1 #0 in slot 0/5" and verify the System Service Status displays "Running".



7.2. Agent Summary

In the Interactions Window, click the **Agents** tab in the menu bar, to see a summary of the agents that are administered and their call state. Verify the correct status state is displayed.



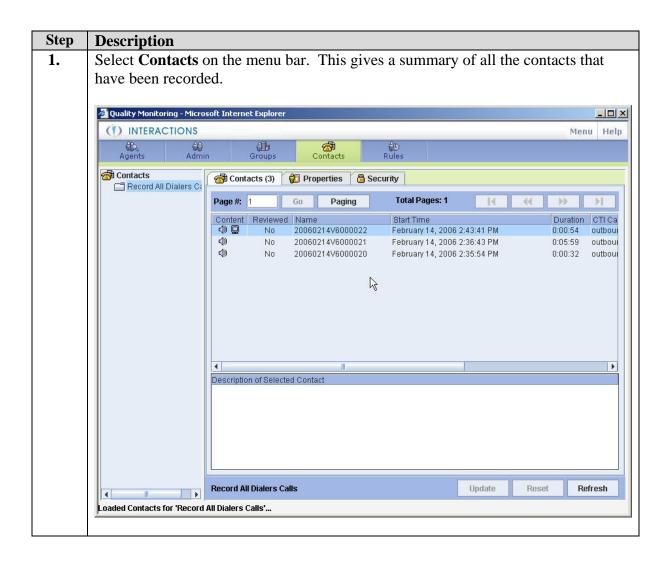
7.3. Event Services Link

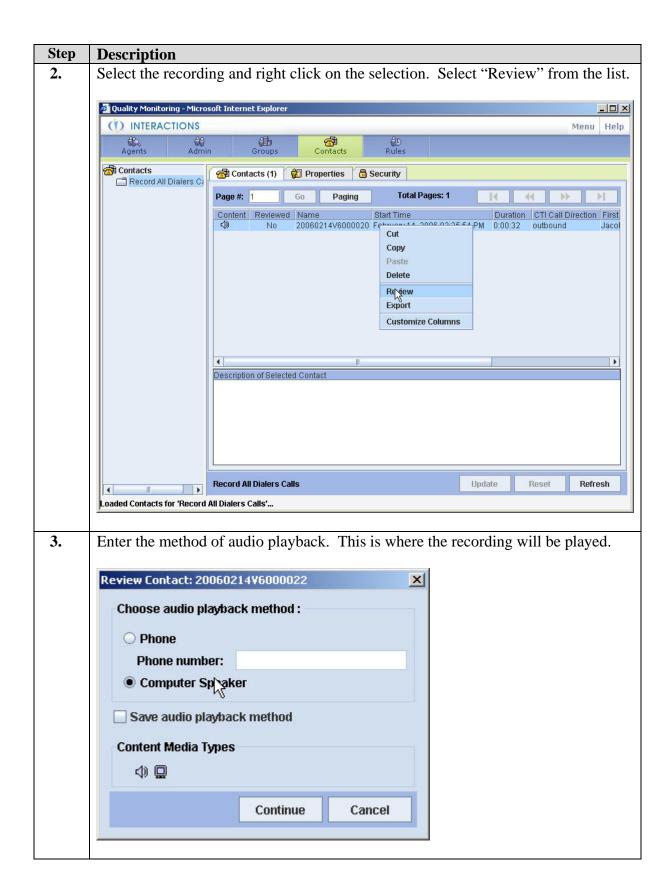
The event services link status can be verified through the Impact 360's AvayaDialer log file. A connection that is successfully established is indicated by the heartbeat, shown at the bottom of the following log file segment.

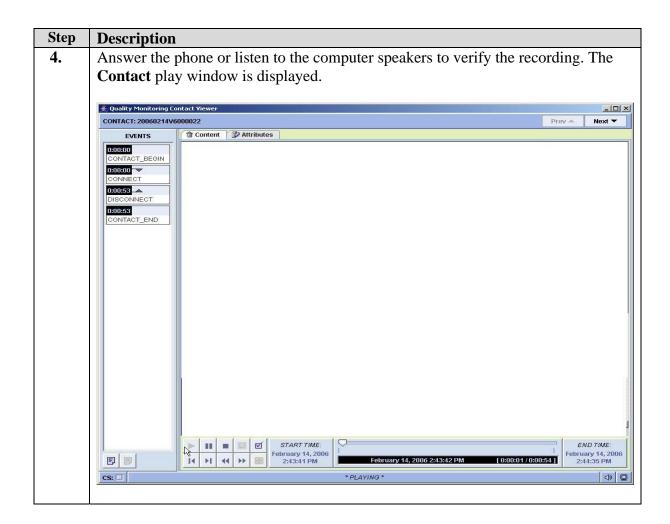
```
[Tnfo 12006/02/13 18:49:25:562
[Info ]2006/02/13 18:49:25:562 Application Started
[Info ]2006/02/13 18:49:25:562 Command-line values:
[Info ]2006/02/13 18:49:25:562
                               Name<Avaya Dialer>
[Info ]2006/02/13 18:49:25:562
                                LogDir<E:\Program Files\Witness\eQuality\AvayaDialer>
[Info ]2006/02/13 18:49:25:562
                               LogLevel<4>
[Info ]2006/02/13 18:49:25:562
                                Append<true>
[Info ]2006/02/13 18:49:25:562
                               Show<true>
[Debug]2006/02/13 18:49:25:593 ServerLink start called
[Debug]2006/02/13 18:49:25:593
                            ClientLink start called
[Debug]2006/02/13 18:49:29:546 Configuration message received
[Debug]2006/02/13 18:49:29:546
                            Configuration Data:
[Debug]2006/02/13 18:49:29:546
                               Name: <Avaya Dialer>
[Debug]2006/02/13 18:49:29:546
                               DialerHost: <1zpds2>
[Debug]2006/02/13 18:49:29:546 DialerIP: <192.45.120.150>
[Debug]2006/02/13 18:49:29:546
                                PDSVersion: <12>
[Debug]2006/02/13 18:49:29:546
                            WorkDir: <E:\Program Files\Witness\eQuality\AvayaDialer>
[Debug]2006/02/13 18:49:29:546
                                 Show: <true>
[Debug]2006/02/13 18:49:29:546
                                LogonID: <client1>
[Debug]2006/02/13 18:49:29:546
                               Password: <server1>
[Debug]2006/02/13 18:49:29:546
                                   IORString:
900000000>
[Debug]2006/02/13 18:49:29:546 ORBEndpoint: <iiop://192.45.30.232:1595/portspan=25>
[Info ]2006/02/13 18:49:29:562 ----- Begin CORBA Init -----
[Info ]2006/02/13 18:49:29:562 HeartbeatThread started
[Info ]2006/02/13 18:49:29:562 Intializing the ORB
[Info ]2006/02/13 18:49:29:687 Intializing the ORB Completed!
[Debug]2006/02/13 18:49:29:687 CheckHostName called, HostName<lzpds2>
[Debug]2006/02/13 18:49:29:687 Checking HostName<1zpds2>
[Info ]2006/02/13 18:49:29:687 HOSTNAME: "lzpds2" resolves to IP: "192.45.120.150"
[Info ]2006/02/13 18:49:29:687
                            ----- End CORBA Init -----
[Info ]2006/02/13 18:49:29:687
                            Converting IOR String to Object
[Info ]2006/02/13 18:49:29:687
                            Obtaining Object Pointer for NameSerivce
[Error]2006/02/13 18:49:29:703
                            CORBA:: NamingContext list is empty
[Info ]2006/02/13 18:49:29:703
                            Building Version 12 NameService Query, Server<1zpds2>
[Info ]2006/02/13 18:49:29:703
                            Resolving root object from name service
[Debug]2006/02/13 18:49:29:718
                            Root object resolved from name service
[Info ]2006/02/13 18:49:34:718
                            Obtaining Object pointer for EventServer from the root object
[Info 12006/02/13 18:49:34:718
                            IOR: Resolved IOR for ENServer:
[Info ]2006/02/13 18:49:34:718
                                  . . . . . . . . . . . . . . . . . . .
                            CheckHostName called, HostName<1zpds2>
[Debug]2006/02/13 18:49:34:718
[Debug]2006/02/13 18:49:34:718
                            Checking HostName<1zpds2>
[Info ]2006/02/13 18:49:34:718
                            HOSTNAME: "lzpds2" resolves to IP: "192.45.120.150"
[Info ]2006/02/13 18:49:34:718
                            Logon to EventServer
[Info ]2006/02/13 18:49:36:718
                            Activating POA Manager
 [Info ]2006/02/13 18:49:36:750
                                  Component Value as hex:
[Info ]2006/02/13 18:49:36:750
                                   . . . . . . . . . . . . . . . . . . .
[Info ]2006/02/13 18:49:36:750 HOSTNAME: Connection IP Address: 192.45.30.232
[Info ]2006/02/13 18:49:36:765
                            Sending request list to EventServer
[Info ]2006/02/13 18:49:36:765
                            registrationID= 20000
[Info ]2006/02/13 18:49:36:765
                            ----- STARTING ORB -----
[Info ]2006/02/13 18:49:38:343 Received Heartbeat response
[Info ]2006/02/13 18:49:44:343
                            Received Heartbeat response
```

7.4. Impact 360 Recording Playback

Impact 360 Interactions application allows the actual recordings that have taken place to be inspected for voice content. This utility was used throughout testing to validate successful recording of the various tested call scenarios







8. Support

For technical support on any Witness product, contact the Witness Systems Customer Support at 1-800-4-WITNESS (1-800-494-8637). Technical support email may be sent to support@witness.com.

9. Conclusion

These Application Notes describe the configuration steps required for Witness Systems Impact 360 7.6 to successfully interoperate with the Event Service of Avaya Proactive Contact 3.0. All feature functionality and serviceability test cases were completed successfully.

10. Additional References

The following documents may be found at http://support.avaya.com:

• Administrator's Guide for Avaya Communication Manager, Release 3.0.1, Issue 1, June 2005; Doc ID: 03-300509

- Avaya Proactive Contact 3.0 Installation and Configuration, November 2005; Doc ID: 07-300491
- Avaya Proactive Contact 3.0 Administration (UNIX-based), October 2005; Doc ID: 07-300488

These documents are available from Witness:

- Impact 360 7.6 Configuration Guide
- Impact 360 7.6 Server Infrastructure Guide
- Impact 360 7.6 Installation Guide
- Impact 360 7.6 Interactions Guide

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