

Avaya Solution & Interoperability Test Lab

Application Notes for Spescom DataVoice Orion Recording Solution with Avaya Predictive Dialer System – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Spescom DataVoice Orion Recording Solution to successfully interoperate with Avaya Predictive Dialer System 12.0

The DataVoice Mosaix Centauri Client (CC) provides connectivity between the DataVoice Orion voice recorder and the Avaya Predictive Dialer System (PDS). The Mosaix CC interfaces with the Avaya Predictive Dialer System to obtain call events (such as device ringing, call connected, device idle, etc.), while the Recording Controller server interfaces with the voice recorders and provides common services such as diagnostic, licensing and Toolkit services.

The Orion call recording solution uses the Event Services API from the Avaya Predictive Dialer System to extract call event information and supports passive trunk tapping and passive analogue station tapping.

An Avaya Predictive Dialer System 12.0 along with an Avaya S8500 Media Server running Avaya Communication Manager 3.0 and an Avaya G650 Media Gateway was used as the hosting PBX. Features and functionality were validated and performance testing was conducted in order to verify operation under light load.

Information in these Application Notes has been obtained through 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 the compliance-tested configuration using a DataVoice Orion Recorder, a DataVoice Recording Controller, and an Avaya Predictive Dialer System. The solution provides a call recording capability, using CTI to provide call detail information.

The DataVoice Mosaix Centauri Client (CC) is used by the Recording Controller as middleware. The Mosaix CC is used to monitor the Avaya Predictive Dialer System's (Avaya PDS) Computer Telephony Interface (CTI) for telephony events in order to start and stop voice recordings on the Orion voice recorder(s). The extensions/agents to be monitored are configured in the RC Config utility, while the recording line maps are defined with the DV Setup utility. The Mosaix CC is a client of the Centauri OCX (ActiveX control) which in turn, interfaces with the Centauri Recording Controller plug-in. The Mosaix CC has been developed with the Centauri Software Development Kit (SDK).

Call events as well as agent sign-on/off actions are reported to the Mosaix CC via the Avaya Predictive Dialer System's CTI port. The Mosaix CC uses this information to start and stop recording via the Centauri Recording Controller for monitored extensions. Call recording is initiated with the Connected event, and terminated either when the Disconnected event is received or when the Agent Ready event is received depending on the configuration of the Mosaix CC.

The solution as tested is shown below.



Figure 1: Tested Avaya Communication Manager with DataVoice Orion Recorder and DataVoice Recording Controller

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2. Equipment and Software Validated

The tested configuration is detailed below.

Equipment	Software
Avaya S8500 Media Server running Communication	R 3.0 (340.3)
Manager	
Avaya G650 Media Gateway	N/A
Avaya DS1 Card TN2464 Vintage 0018	N/A
Avaya C364T-PWR Converged Stackable Switch	V4.12
Avaya PDS	12.0SP4
Avaya PDS Event Service API	2.0
DataVoice Orion Recorder	9.6
DataVoice Mosaix CC	1.0.0.3

3. Configure Avaya Predictive Dialer System

Customer PDS systems are configured from a specific set of baseline software. The baseline used for the testing consisted of the following software versions:

- HP-UX 11.00
- PDS version 12.0
- Service Pack 4
- Patches: PDS12_583, PDS12_593, PDS12_618, PDS12_648, PDS12_649, PDS12_650 & PDS12_671
- PDS Digital Switch: Generic 15.1, ISDN 15.1 & International 15.1

Digital switch cards included the ENBC, DSP2- 41, LPVC2, and the Quad E1 ISDN PRI card running Q.SIG and Q.931 protocols.

4. Configure Avaya Communication Manager

Avaya Communication Manager features need to be configured for the recording modes to be tested. Please refer to the Administration Guide for Avaya Communication Manager for further details – Avaya Document 555-233-506 [1]. The specific options are detailed below.

4.1. Illustration of the Passive Agent Call Back E1 Trunk

The following screens illustrate the trunk that is tapped by the DataVoice application.

display ds1 01A04			
		DS1 CIRCUIT PACK	
Location:	01A04	Name	PRI 4 8300
Bit Rate:	2.048	Line Coding	hdb3
Signaling Mode:	isdn-pri		
Connect:	pbx	Interface	peer-master
TN-C7 Long Timers?	n	Peer Protocol	Q-SIG
Interworking Message:	PROGress	Side	a
Interface Companding:	alaw	CRC	? n
Idle Code:	01010100	Channel Numbering	timeslot
	DC	CP/Analog Bearer Capability	3.1kHz
		T303 Timer(sec)	: 4
Slip Detection?	У	Near-end CSU Type:	other

display signaling-group	25		Page 1 of 5
	SIGNALING	GROUP	
Group Number: 25	Group Type:	isdn-pri	
Ass	ociated Signaling?	У	Max number of NCA TSC: 0
	Primary D-Channel:	01A0416	Max number of CA TSC: 0
			Trunk Group for NCA TSC:
Trunk Group for Cha	nnel Selection: 25	X-Mo	obility/Wireless Type: NONE
Supplementary	Service Protocol:	a	

display trunk-group 25	Page 1 of 19
TRUNK GROUP	
Group Number: 25 Group Type: is	dn CDR Reports: y
Group Name: QSIG to PDS-Agent DB COR: 1	TN: 1 TAC: *25
Direction: two-way Outgoing Display? n	Carrier Medium:
PRI/BRI	
Dial Access? y Busy Threshold: 25	5 Night Service:
Queue Length: 0	
Service Type: tie Auth Code? n	TestCall ITC:
rest	
Far End Test Line No:	
TestCall BCC: 4	
TRUNK PARAMETERS	
Codeset to Send Display: 6 Codeset to	o Send National IEs: 6
Max Message Size to Send: 260 Charge Ad	vice: none
Supplementary Service Protocol: b Digit Han	dling (in/out):
enbloc/enbloc	
Trunk Hunt: ascend	QSIG Value-Added? n
	Digital Loss Group: 13
Incoming Calling Number - Delete: Insert:	Format:
Bit Rate: 1200 Synchronizat	ion: async Duplex: full
Disconnect Supervision - In? y Out? n	
Answer Supervision Timeout: 0	

display trunk-group 25		Page 2 of 19
TRUNK FEATURES		
ACA Assignment? n	Measured: none	Wideband Support? n
	Internal Alert? n	Maintenance Tests? y
	Data Restriction? n	NCA-TSC Trunk Member:
	Send Name: y	Send Calling Number: y
Used for DCS? n		
Suppress # Outpulsing? n	Format: public	
Outgoing Channel ID Encoding:	preferred UUI IE T	reatment: service-provider
	Repl	ace Restricted Numbers? n
	Repla	ce Unavailable Numbers? n
	Se	nd Connected Number: n
	Но	ld/Unhold Notifications? y
Send UUI IE? y	Modify	Tandem Calling Number? n
Send UCID? n		
Send Codeset 6/7 LAI IE? y		Ds1 Echo Cancellation? n
	US NI Delay	ed Calling Name Update? n
SBS? n Ne	twork (Japan) Needs Co	nnect Before Disconnect? n

display trunk-group 25		Page	3 c	f	19
	TRUNK GROUP				
	Administered Members (m	lin/max)):	1/7	7
GROUP MEMBER ASSIGNMENTS	Total Administered	Members	3:	7	
Port Code Sfx Name	Night Sig Grp				
1: 01A0401 TN2464 B	25				
2: 01A0402 TN2464 B	25				
3: 01A0403 TN2464 B	25				
4: 01A0404 TN2464 B	25				
5: 01A0405 TN2464 B	25				
6: 01A0406 TN2464 B	25				
7: 01A0407 TN2464 B	25				
8:					
9:					
10:					

4.2. Illustration of the Outbound, Inbound & Transfer E1 Trunk

The following screens illustrate the configuration of the outbound/inbound/transfer trunks to the Avaya PDS.

display ds1 01A05					
		DS1 CIRCUIT PACK			
Location:	01A05	Name:	Outbnd, Inbn	d&tra	ns
Bit Rate:	2.048	Line Coding:	hdb3		
Signaling Mode:	isdn-pri				
Connect:	pbx	Interface:	peer-maste	r	
TN-C7 Long Timers?	n	Peer Protocol:	Q-SIG		
Interworking Message:	PROGress	Side:	a		
Interface Companding:	alaw	CRC?	n		
Idle Code:	01010100	Channel Numbering:	timeslot		
	-	DCP/Analog Bearer Capability:	3.1kHz		
		T303 Timer(sec):	4		
Slip Detection?	n	Near-end CSU Type:	other		
display signaling-grou	up 76		Page 1	of	5
		SIGNALING GROUP			
Group Number: 76		Group Type: isdn-pri			
A	ssociated	Signaling? y Max nu	mber of NCA	TSC:	0
	Primary	D-Channel: 01A0516 Max n	umber of CA	TSC:	0

Primary D-Channel: 01A0516 Max number of CA TSC: 0 Trunk Group for NCA TSC: Trunk Group for Channel Selection: 76 X-Mobility/Wireless Type: NONE Supplementary Service Protocol: a

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display trunk-group 76		Page 1 of 19	
Т	RUNK GROUP		
Group Number: 76	Group Type: isdn	CDR Reports: y	7
Group Name: Outbnd, Inbnd&trans	COR: 1	TN: 1 TAC: 7	06
Direction: two-way Outgoin	g Display? n	Carrier Medium: PRI/B	BRI
Dial Access? y Bu	sy Threshold: 255	Night Service:	
Queue Length: 0			
Service Type: tie	Auth Code? n	TestCall ITC: res	st
Far End	Test Line No:		
TestCall BCC: 4			
TRUNK PARAMETERS			
Codeset to Send Display:	6 Codeset to Se	nd National IEs: 6	
Max Message Size to Send:	260 Charge Advice	: none	
Supplementary Service Protocol: b	Digit Handling	(in/out): enbloc/enblo	C
Trunk Hunt: cyclical	(QSIG Value-Added? n	
	Die	gital Loss Group: 13	
Incoming Calling Number - Delete:	Insert:	Format:	
Bit Rate: 1200	Synchronization:	async Duplex: full	-
Disconnect Supervision - In? y	Out? n		
Answer Supervision Timeout: 0			

display tr	unk-group 76				P	age	3 of	19
			TRUNK GRO	OUP				
			Admi	Inistered	Members	(min/	max):	1/30
GROUP MEMB	ER ASSIGNMENTS	5		Total Ad	ministere	ed Mem	bers:	30
Por	t Code Sfx	Name	Night		Sig Grp)		
1: 01A05	01 TN2464 B				76			
2: 01A05	02 TN2464 B				76			
3: 01A05	03 TN2464 B				76			
4: 01A05	04 TN2464 B				76			
5: 01A05	05 TN2464 B				76			
6: 01A05	06 TN2464 B				76			
7: 01A05	07 TN2464 B				76			
8: 01A05	08 TN2464 B				76			
9: 01A05	09 TN2464 B				76			
10: 01A05	10 TN2464 B				76			
11: 01A05	11 TN2464 B				76			
12: 01A05	12 TN2464 B				76			
13: 01A05	13 TN2464 B				76			
14: 01A05	14 TN2464 B				76			
15: 01A05	15 TN2464 B				76			

5. Configure the Avaya C364T-PWR Converged Stackable Switch

No configuration of the Avaya C364T-PWR Switch was required.

6. Configure the DataVoice Orion Recorder

The DataVoice Orion Recorder is normally supplied pre-configured for the required application and only a limited amount of additional configuration, such as specifying an IP Address, is necessary. The related Recording Controller will pass additional configuration details to the recorder after a connection has been successfully established. This mechanism allows for a more complex scenario to be constructed in which a single Recording Controller can control multiple recorders. Should any additional configuration be required, the technical documentation supplied with the equipment should be consulted for details.

6.1. Configure the DataVoice Recording Controller

The DataVoice Mosaix Recording Controller has a sophisticated interface offering display of activity logs, errors, as well as real-time current activity. Its main function is to receive CTI events from the Avaya PDS and use the events to activate recordings on the Orion Recorder. The CTI from the PDS is processed by a middleware application called the Mosaix Centauri Client (Mosaix CC) and then passed on the Centauri Recording Controller.

Note: The combination of the Mosaix CC and Centauri Recording Controller together is known as the Mosaix Recording Controller.

6.1.1. Setting up the Recording Controller (Static Configuration)

Static setup parameters are setup with the RC Setup utility. Multiple Avaya PDS systems can be set up in the Recording Controller. Below is an example of how one system is setup in the Mosaix CC middleware.

🔰 Data¥oice RC Setup			
 Potorotecrice Security Potorotecrice Security Centauri Recording Controll Backup Switch Backup Switch Backup Switch RC Diagnostics Alarms Mosaix Systems Mosaix Systems Mosaix Systems Mosaix Systems Mosaix Systems Definity Recording Controlle 	Application ID: N Recording Field Options Monitor DeviceID Option: Name Field Option: Custom Field Option: Custom Field Options Extensions ✓ Stop when on hold ● ● Stop when call ended ● ■ Record calls for ● ● Monitored Device I ● ■ Type of devices connected ● ■ Extensions / H ●	Agent ID Agent ID Agent ID Mosaix PDS Agent Name None Stop when agent ready/logout IDs only All Device IDs to Recorder(s) Headsets Trunks Mosaix System	
Tasks List Help		Apply Save and Close	Cancel

The parameters are described below:

Option	Description			
Application ID	This is a symbolic application ID for the Mosaix System. The			
	application ID must be unique. The application ID is used to identify			
	the Mosaix CC when opening a connection with the Centauri			
	Recording Controller. It is also used to differentiate between Mosaix			
	CCs in the log files.			
Recording Field Options				
Monitor DeviceID Option	This is the monitored Device ID configured in the Centauri RC that			
	must be monitored on the Mosaix System. The Mosaix CC will start			
	and stop recordings for this Device ID.			
	Use this parameter to specify the Device ID that must be used as the			
	monitored device ID. The Orion Called Number field will contain			
	entries of this type (note that alphabetical characters are not shown			
	in Orion WS)			
	The device ID options are:			
	0.) Agent ID			
	1.) Headset Number (extension number that the agent is connected to)			

Option	Description
Name Field Option	This is the value that will be placed in the Name Field of the Orion
_	DB Entry.
	The options are:
	0.) RC Config Agent Name
	1.) Agent ID
	2.) Mosaix PDS Agent Name
	3.) Job Name
	4.) Job Number
Custom Field Options	Specify one of the Custom Field Options to be placed into the
	Description field of an Orion DB Entry.
	The options are:
	0.) None
	1.) Agent ID
	2.) Agent Name
	3.) Headset Number
	4.) Headset Extension
	5.) Job Name
	6.) Job Number
	7.) Account Number
Recording Stop Options	
Stop when on hold	If selected, this will force the recording to stop when the call goes
	on hold. The recording will be started again once the call is
	retrieved.
Call end	Select when the recording must end once the call is completed.
	• Stop when call ended
	Select this option if the recording must end when the call does.
	• Stop when agent ready/logout
	Select this option if the recording must end when the agent is ready
	to receive another call or logs out.
	Note: These options are necessary when Screen recording is
	involved.
Record calls for	Specify whether the Mosaix CC must record calls for the devices
	configured on the Centauri RC only, or for all the devices reported
	by the Mosaix System.
	Monitored Device IDs only
	Select this option to record calls for Devices configured on the
	Centauri RC only.
	All Device IDs
	Select this option to record calls for all Devices reported by the
	Mosaix System.
	Note: For Record calls for all Device IDs, the Centauri RC must be
	setup to Record all calls and the Extension Number and/or Agent
	trunk numbers of the monitored device must be setup in at least one

Option	Description				
	Recording Group.				
Type of Devices	Specify the type of devices connected to the Orion Recorder(s). The				
connected to the	options are:				
Recorder(s)	• Extensions/Headsets: select this option if extensions or				
	analogue lines, are being recorded on the Mosaix System.				
	• Trunks: select this option if Agent trunks, E1 or T1, are				
	being recorded on the Mosaix System.				

6.1.2. Setting up the connection to the PDS

The figure below displays the parameters needed to connect to the PDS. To successfully connect to the PDS, enter the PDS Host Name, Logon Name (User name to connect to the PDS) and the associated password.

Data¥oice RC Setup		
DataVoice RC Setup DataVoice Centauri Recording Controll Backup Switch DataVoice Recorders RC Diagnostics Alarms Mosaix Systems Mosaix Systems O New Mosaix1 Centauri Connection Mosaix Connection Mosaix Connection Definity Recording Controlle	Mosaix Settings PDS Host Name: v12sp4u1 Logon Name: client1 Password: ******* CTI Settings Send an Event Timeout alarm after Minute(s)	
Tasks List Help	Apply Save and Close C	Cancel

6.1.3. Setting up the connection to the Centauri Recording Controller

The figure below displays the parameters needed to connect to the Centauri RC. To successfully connect to the Centauri Recording Controller, enter the name or IP Address of the RC as well as the IP Port.

DataVoice RC Setup		
DataVoice Centauri Recording Controll Backup Switch Backup Switch Backup Switch RC Diagnostics Alarms Mosaix Systems Mosaix Systems New Mosaix1 Centauri Connection Mosaix Connection Mosaix Connection Definity Recording Controlle	Centauri RC Settings IP Address: localhost IP Port: 16080	
Tasks List Help	Apply Save and Close Ca	ncel

6.1.4. Setting up the Centauri Recording Controller

The Centauri RC contains the core recording control logic that drives the recordings on the Orion recorder. An instance of a "Switch" is created to coincide with the instance of the Mosaix PDS system created previously.

DataVoice RC Setup DataVoice Centauri Recording Controller Switch [CentauriMo] → DN Filters → Switch Connection Switch Connection Backup Switch Backup Switch Backup Switch MataVoice Recorders Image: RC Diagnostics Alarms O Mosaix Systems Centauri Connection	Switch name: CentauriMosaix Global Settings Record all calls Suppress telephone numbers for private calls to the user Always send messages to the user Always send messages to the partner in the call
Gentaun Connection Mosaix Connection O Definity Recording Controller Switch [Definity switch]	Disable the audible alarm when sending messages CTI Settings Send an Event Timeout alarm after Minute(s) Delete this Switch Add Group
Tasks List Help	Apply Save and Close Cancel

The connection parameters for the connection to the Mosaix CC middleware are shown below. The IP Port must be the same as the value in the Mosaix CC connection.



Solution & Interoperability Test Lab Application Notes ©2005 Avaya Inc. All Rights Reserved. Different recording group types can be added and define the manner in which the recordings are made. In the figure below, an Indirect (trunk side) group has been created which represents the agent call back trunks that were used in the recording environment. Each agent call back trunk is added to the Group Lines.



The group line/ agent call back trunk is then mapped to a specific line on the recorder as shown below.

DataVoice RC Setup					
DataVoice Centauri Recording Controll	Set name: Prima Group line to rec	ary recording1 corder line mapp	ing	Start at recorder	
Selective Proper Selective Proper Selective Proper Selective Proper Selective Proper Security Recorders Security Recorders Alarms Mosaix Systems Definity Recording Controlle	Column internation 1 2 3 4 5 6 Foldup internation 6 Edit line 7 8 9 10 11 12 12	Ellie ID 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	RCDVorak RCDVorak RCDVorak RCDVorak RCDVorak RCDVorak RCDVorak		
Tasks List Help	Delete ti	nis recording set	t Add backup Apply Save	e and Close	Cancel

6.1.5. Setting up the Connection to the Orion Recorder

The connection parameters to the Orion Recorder are shown below. The following needs to be entered:

- Recorder Name
- The Recorder's IP address
- The type of recorder
- User name & password

Data¥oice RC Setup	
DataVoice Centauri Recording Controll Switch [CentauriMosaix] DN Filters Switch Connection Switch Connection Selective Proper Selective Proper Selective Proper Selective Proper Selective Proper Recorder[RCDVorak] R C Diagnostics Alarms Mosaix Systems Definity Recording Controlle	Recorder information Recorder name: RCDVorak IP Address: 135.64.150.233 Type: Orion Backup Recorder User login information User name: MAINTENANCE Password: ******** Delete this recorder
Tasks List Help	Apply Save and Close Cancel

6.1.6. Configuring Agents/Devices on the Recording Controller (Dynamic Configuration)

Dynamic setup parameters are configured with the Configuration utility. These settings are specifically used to setup devices/agents that should be recorded. To receive events for a specific agent/device, enter the ID at the switch level as shown below:

Recording Controller Configuratio	n						×
Server File View Edit Help							
			ž 🔀				
🖃 🤻 Recording Controller: local	Device ID	Device Name	Monitor	Internal	External	Tel N	TK
i⊟- 📉 CentauriMosaix 	106	Agent106	Yes	Yes	Yes	No	No

The agent/device then needs to be added at the group level to ensure that it is successfully recorded.

Recording Controller Configuration	n				- 🗆 ×
Server Eile View Edit Help					
	康 🤗	* 6 4	la 🔣		
E-Rc Recording Controller: local	Device ID	Device Name	Internal	External	
🖻 📉 CentauriMosaix	106	Agent106	Yes	Yes	

7. Interoperability Compliance Testing

7.1. General Test Approach

Serviceability and basic functionality test cases were performed manually. During the manual tests, outbound calls were made by the PDS to a simulated Public Switched Telephone Network and answered calls were delivered to agent telephones. Audio of recorded calls was verified.

7.2. Test Results

All feature and performance tests passed. The DataVoice Orion Recorder and DataVoice Recording Controller successfully recorded, displayed and replayed the recordings.

During the testing it was noted that if the network cable was disconnected more than three times between the Avaya PDS and the DataVoice Recording Controller, the Event Service process "enserver" on the Avaya PDS would need to be restarted. By default, the Event Service process is restarted every night as part of the maintenance schedule.

8. Verification Steps

The DataVoice Recording Controller has a sophisticated interface offering display of activity logs, errors, as well as real-time current activity.

8.1. Verifying that the Mosaix CC has a connection to the PDS

To verify that the Mosaix CC has a valid connection to the PDS, run the "netstat" command line utility with the "-n" option. There should be three separate connections to the PDS IP address. In the example below, the IP address of the PDS is 135.64.150.138 and the Mosaix CC is 135.64.150.218.

	00W5\system32\cmd.exe			
C:\Brad>	netstat -n			_
Active C	Connections			
Proto TCP TCP TCP TCP TCP TCP TCP TCP TCP TCP	Local Address 127.0.0.1:1036 127.0.0.1:1125 127.0.0.1:1126 127.0.0.1:6139 127.0.124.3:1130 127.0.124.3:16080 135.64.150.218:1057 135.64.150.218:1123 135.64.150.218:1128 135.64.150.218:1128 135.64.150.218:1129 135.64.150.218:1153 metstat -n	Foreign Address 127.0.0.1:6139 127.0.0.1:1126 127.0.0.1:1125 127.0.0.1:1036 127.0.124.3:16080 127.0.124.3:1130 135.64.150.233:17478 135.64.150.138:23200 135.64.150.138:23120 135.64.150.138:23120 135.64.150.138:58486 172.168.176.52:2555	State ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED ESTABLISHED SYN_SENT	

8.2. Verifying that recordings are taking place with the correct audio

The audio captured is stored in the Orion Recorder's hard disk and is referenced with a database. The recordings in the database can be viewed and played back using the Orion Workstation. The following is a typical playback session of a recording that has been made on the PDS.

orkstati	ion									
Workstal	tion <u>D</u> isk <u>N</u> e	twork Unit V	/iew <u>W</u> indow <u>H</u> elp			_1				
⊯ ⊌				S P E E						
🌗 Play	yer (Windows	s MultiMedia :	1 <default player="">)::RCDvora</default>	k						
Char	nnel 1 : agent1									Volum
Sta	rt : 2005-08-24	11:35:55		Current	: 2005-08-24 11:35:	55		End	: 2005-08-24 11:36:47	72%
l Tr										[] - I
									5	
										5
			10.	20.		1	40.		50.	
Qm	nOs		103	200		105	405		0m52s	1
					2011 March 1994 (1					mut
Nar	me :agent1				CallerNo : I	01483309087				
Log	JLine : 7				DestNo :1	06				
1										1-
Log	he::RLDvoral	k (Filter:User I	Ctart	Duration	Nemo	CallerNe	DeetNe	Deference	Description	
LUGL	Aundules	Туре	318/1 2005 00 02 00:47/57 000	Duration	Name	Callenvo	Destino	Aelerence	Description	
0		Log	2005-06-23 20:47:57.000 2005-08-24 02:00:00 001		Recorder 2005-08-24			299691	Into log	
l ő	0	Text	2005-08-24 02:00:25 000		Becorder			299923	Info log	
Ő	ŏ	Text	2005-08-24 02:00:26.000		ConSvr			299924	Info log	
0	0	Text	2005-08-24 11:12:49.000		ConSvr			299924	Info log	
7	0	Speech	2005-08-24 11:25:42.000	00:00:24	agent1	01483309087	106	299925	403	
7	0	Speech	2005-08-24 11:26:26.000	00:00:06	agent1	01483309087	106	299926	403	
7	0	Speech	2005-08-24 11:27:17.000	00:00:39	agent1	01483309087	106	299927	403	
7	0	Speech	2005-08-24 11:27:57.000	00:00:14	agent1	01483309087	106	299928	403	
7	0	Speech	2005-08-24 11:31:37.000	00:00:26	agent1	01483309087	106	299929	403	
7	0	Speech	2005-08-24 11:32:03.000	00:00:22	agent1	U1 483309087	106	299930	403	
4		Speech	2005-08-24 11:35:55.000	00:00:52	agenti	01483309087	105	299931	403	
2	0	Speech	2005-00-24 11:35:48.000	00:00:18	agenti ogenti	01403309087	100	233332	403	
ló	0	Text	2005-00-24 11:37:06:000	00.01.45	ayenti Recorder	01403303007	100	2000003	hto log	
1	U	TEAL	2000-00-24 11.47.04.000		necorder			200020	into tog	
	-	dest d								
 Pati 	hfinder <u>6</u>									
the get	Help									

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9. Support

If technical support is required for the Spescom DataVoice solution, then please contact the DataVoice Technical Support Department:

Email: support@datavoice.spescom.com

Phone: +27 11 266-1801

10. Conclusion

These Application Notes describe the configuration steps required for the Spescom DataVoice Orion Recording Solution to successfully interoperate with Avaya Predictive Dialer System 12.0 SP4 and Avaya Communication Manager 3.0. Features and functionality were validated and performance testing was conducted in order to verify operation under light load. The configuration described in these Application Notes has been successfully compliance tested.

11. References

[1] Administrators Guide for Communication Manager (Doc ID: 555-233-506) can be found at <u>http://support.avaya.com</u>.

11.1. Documentation

The documentation available for the DataVoice Orion solution includes diagnostic materials. These are distributed with the solution and can also be obtained from support@datavoice.spescom.com.

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