

Avaya Solution & Interoperability Test Lab

Application Notes for FCS WinSuite with Avaya Communication Manager - Issue 1.0

Abstract

These Application Notes describe the procedures for configuring FCS WinSuite to interoperate with Avaya Communication Manager. FCS WinSuite is a Windows-based Hospitality system that provides a real-time multitasking interface between Avaya Communication Manager and a hotel's Property Management System.

Information in these Application Notes has been obtained through Developer*Connection* 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 procedures for configuring FCS WinSuite to interoperate with Avaya Communication Manager. FCS WinSuite is a Windows-based Hospitality system that provides a real-time multitasking interface between Avaya Communication Manager and a hotel's 3rd party Property Management System (PMS). In addition to functioning as a call charge and billing system that manages the costs of telephony and service usage, FCS WinSuite supports standard Hospitality feature requests to/from a PMS (guest room check-in/check-out/moves, Do Not Disturb (DND), Automatic Wake-Up (AWU), Message Waiting Lamp (MWL) control, Housekeeping/Room Status changes). The call charge and billing functionality is facilitated by a Call Detail Recording (CDR) interface to Avaya Communication Manager, while the Hospitality features are enabled by a PMS data link to Avaya Communication Manager.

When notified of a guest room check-in, FCS WinSuite removes outbound call restrictions on the guest room extension and changes that extension's Hospitality Status to "occupied." Conversely, when notified of a guest room check-out, FCS WinSuite restricts outbound calls on the guest room extension and sets its Hospitality Status to "non-guest room."

The configuration used in performing compliance testing of FCS WinSuite is shown in **Figure 1**. It shows a network consisting primarily of a pair of Avaya S8720 Servers running Avaya Communication Manager in a High Reliability configuration with two Avaya G650 Media Gateways, an FCS WinSuite server, and Avaya 4626¹ and 9640 IP Telephones (representing guest telephones). In addition, FCS VoiceMail, a Windows-based voice messaging system designed specifically for hotels, was used to exercise specific capabilities in FCS WinSuite. The CDR and PMS data links from FCS WinSuite are carried over the IP network and terminated in Avaya Communication Manager as IP services. Analog and digital ports on the corresponding Intel Dialogic cards in the FCS VoiceMail server connect to ports on one of the Avaya G650 Media Gateways.

These Application Notes assume that FCS VoiceMail has been properly installed and configured by FCS services personnel, and that its integration with Avaya Communication Manager has been completed. For details on this integration, please refer to [3].

¹ This telephone was designed and developed specifically for Hospitality environments.



Figure 1: Sample Test Configuration

2. Equipment and Software Validated

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

Equipment	Hardware/Firmware/Software Version
Avaya S8720 Server	Avaya Communication Manager 4.0.1 (R014x.00.1.731.2)
Avaya G650 Media Gateway	26.31.0
• TN799DP C-LAN	HW01 FW156
TN2312AP IPSI	HW15 FW039
TN2302AP MedPro	HW02 FW142
• TN2224CP 2-Wire	HW08 FW015
Digital	HW02 FW019
• TN464HP DS1	000019
TN746B Analog Line	
Avaya 4626 IP Telephone	2.4

Equipment	Hardware/Firmware/Software
	Version
Avaya 9640 IP Telephone	S1.5
FCS WinSuite Server	3.0.8 (with Windows 2003
	Server SP 2)
FCS VoiceMail Server	4.0.0 (with Windows 2003
	Server SP 2)

3. Configure Avaya Communication Manager

This section details the steps required to configure Avaya Communication Manager to interoperate with FCS WinSuite. These Application Notes assume the Avaya Media Gateways (including circuit packs) have already been administered. Please refer to [1] for additional details.

The commands listed in this section were issued at the Avaya System Access Terminal (SAT) screen. For all steps where data are modified, submit the completed administration form for the changes to take effect.

Step	Description											
1.	Set Hospitality parameters:											
	Enter change system-parameters hospitality. On Page 1, set the following values:											
	 Message Waiting Configuration: act-pms. Controlled Restrictions Configuration: act-pms. Housekeeper Information Configuration: act-pms. Client Room Coverage Path Configuration: act-pms. Default Coverage Path for Client Rooms: Set to the number of a coverage path that provides the appropriate coverage treatment for an unoccupied guest room, e.g. coverage to the hotel operator (in this example, coverage path 100 is used). PMS Endpoint: PMS. 											
	change system-parameters hospitality Page 1 of 3 HOSPITALITY											
	Message Waiting Configuration: act-pms Controlled Restrictions Configuration: act-pms Housekeeper Information Configuration: act-pms Number of Housekeeper ID Digits: 0 PMS Log Endpoint: Journal/Schedule Endpoint: Client Room Coverage Path Configuration: act-pms Default Coverage Path for Client Rooms: 100 Forward PMS Messages to Intuity Lodging? n											
	PMS LINK PARAMETERS PMS Endpoint: PMS PMS Protocol Mode: transparent ASCII mode? y Seconds before PMS Link Idle Timeout: 10 Milliseconds before PMS Link Acknowledgement Timeout: 200 PMS Link Maximum Retransmissions: 3 PMS Link Maximum Retransmission Requests: 3 Take Down Link for Lost Messages? y											

Step	Description											
2.	Set room status values:											
	Advance to Page 3 and enter the following values for the fields indicated:											
	 Definition for Rooms in State 1: Occupied/dirty. Definition for Rooms in State 2: Occupied/Maid In Room. Definition for Rooms in State 3: Occupied/clean. Definition for Rooms in State 4: Vacant/clean. 											
	change system-parameters hospitality Page 3 of 3 ROOM STATES HOSPITALITY											
	Definition for Rooms in State 1: Occupied/dirty Definition for Rooms in State 2: Occupied/Maid In Room Definition for Rooms in State 3: Occupied/clean Definition for Rooms in State 4: Vacant/clean Definition for Rooms in State 5: Definition for Rooms in State 6:											
	HOSPITALITY FEATURES Suite Check-in? n Cancel Do-Not-Disturb for Wakeup Calls? Y											

Step	Description												
3.	Administer feature access codes (FACs) for entering Housekeeping Status: Enter change feature-access-codes and advance to Page 7. Enter unique FACs for each of the first four Housekeeping Status (Client Room) Access Codes listed, each of which will correspond to the room status values administered in Step 2 (in this example, *81, *82, *83 and *84 were used, respectively).												
	change feature-access-codesPage 7 of 7FEATURE ACCESS CODE (FAC) Hospitality FeaturesAutomatic Wakeup Call Access Code:Housekeeping Status (Client Room) Access Code: *81Housekeeping Status (Client Room) Access Code: *82Housekeeping Status (Client Room) Access Code: *83Housekeeping Status (Client Room) Access Code: *83Housekeeping Status (Client Room) Access Code: *84Housekeeping Status (Client Room) Access Code:Housekeeping Status (Station) Access Code:Verify Wakeup Announcement Access Code:Voice Do Not Disturb Access Code:												

Step		Description										
4.	Define the FCS WinSuite server as an IP Node Name:											
	Enter change node-names ip , and add an entry for the FCS WinSuite server, using an appropriately descriptive value for the Name (in this case, FCSWinsuite) and the corresponding IP Address (in this example, 9.1.1.177).											
	dhange node-names	in		Dage 1 of 2								
		тр 1	JODE NAMES	Page I OI 2								
	Name	IP Address										
	CLAN-01A02	9.1.1.8										
	CLAN-01B02	9.1.1.9										
	GVT-S8300-LSP	9.1.4.2										
	MedPro-01A03	9.1.1.5										
	MedPro-01B03	9.1.1.6										
	S8500-ESS	9.0.1.4										
	SES1	9.1.1.34										
	default	0.0.0.0										
	procr	9.1.1.3										
	FCSWINSUITE	9.1.1.1//										
	(9 of 9 admini Use 'list node-na Use 'change node-	stered node-names we: mes' command to see a names ip xxx' to chan	re displayed) all the administered nge a node-name 'xxx'	node-names ' or add a node-name								

	Description												
	Define IP services in support of the PMS and CDR data links:												
	Enter change ip-services and add entries with a Service Type of PMS and CDR1 (or, if a CDR1 service is already defined, CDR2), respectively. In each case, enter the following values in the remaining fields:												
 Local Node: The IP Node Name of a C-LAN board (in this example, CLAN-01A02 is used for each IP service definition). Remote Node: The IP Node Name of the FCS WinSuite server, as defined in Step 4. Remote Port: A valid unused port (in this example, the recommended value of 5103 is used for PMS, while 5050 is used for CDR1). 													
	0 • R S • R 5	1A02 is use emote Node tep 4. emote Port: 103 is used	ed for each IP e: The IP Noc : A valid unus for PMS , wh	service defin le Name of th sed port (in th ile 5050 is us	ition). ne FCS WinSuite nis example, the re- red for CDR1).	server, as d ecommende	lefined i ed value	in e of					
	0 • R S • R 5 change ip-;	1A02 is use emote Node tep 4. emote Port: 103 is used	ed for each IP e: The IP Noc : A valid unus for PMS , wh	service defin le Name of th sed port (in th ile 5050 is us	ition). ne FCS WinSuite nis example, the re- red for CDR1).	server, as d ecommende	lefined i ed value	in e of 3					
	0 • R S • R 5 change ip-;	1A02 is use emote Node tep 4. emote Port: 103 is used	ed for each IP e: The IP Noc : A valid unus for PMS , wh	service defin le Name of th sed port (in th ile 5050 is us	ition). ne FCS WinSuite nis example, the re- red for CDR1).	server, as d ecommende Page	lefined i ed value	in e of 3					
	0 • R S • R 5 · Change ip-: Service	1A02 is use emote Node tep 4. emote Port: 103 is used services Enabled	ed for each IP e: The IP Noc : A valid unus for PMS , wh	service defin le Name of th sed port (in th ile 5050 is us IP SERVIC Local	ition). ne FCS WinSuite his example, the resed for CDR1).	server, as d ecommende Page Remote	ed value	in e of ³					
	0 • R S • R 5 • R 5 • Change ip-s Service Type	1A02 is use emote Node tep 4. emote Port: 103 is used services Enabled	ed for each IP e: The IP Noc : A valid unus for PMS , wh	service defin le Name of th sed port (in th ile 5050 is us IP SERVIC Local Port	ition). ne FCS WinSuite nis example, the re sed for CDR1). TES Remote Node	server, as d ecommende Page Remote Port	lefined i ed value	in e of ³					
	0 • R S • R 5 • R 5 • R 5 • R 5 • R 5 • R 5 • R 5 • R • R • R • R • R • R • R • R	1A02 is use emote Node tep 4. emote Port: 103 is used services Enabled	Local Node CLAN-01A02	service defin le Name of th sed port (in th ile 5050 is us IP SERVIC Local Port 0	ition). ne FCS WinSuite nis example, the re- sed for CDR1). ES Remote Node FCSWinsuite	server, as d ecommende Page Remote Port 5103	lefined i ed value	in e of ³					

Step	Description											
6.	Administer CDR output format:											
	Enter change system-parameters cdr and choose one of the standard output formats for the Primary Output Format field (in this example, expanded was entered). This selection will determine the expected call detail record format that will be administered in FCS WinSuite in Section 4, Step 6 . For more information on CDR output formats in Avaya Communication Manager, please refer to [2].											
	change system-parameters cdr Page 1 of 1 CDR SYSTEM PARAMETERS											
	Node Number (Local PBX ID): 1 Primary Output Format: expanded Secondary Output Format: Use ISDN Layouts? n Use Enhanced Formats? n Use Legacy CDR Formats? y Modified Circuit ID Display? n Record Outgoing Calls Only? n Suppress CDR for Ineffective Call Attempts? y Disconnect Information in Place of FRL? n Force Entry of Acct Code for Calls Marked on Toll Analysis Form? n Calls to Hunt Group - Record: member-ext Record Agent ID on Incoming? n Record Call-Assoc TSC? n Record Call-Assoc TSC? n Digits to Hide: 0 CDR Date Format: month/day Primary Output Endpoint: CDR1 Primary Output Endpoint: CDR1 Primary Output Endpoint: CDR1 Primary Output Endpoint: CDR1 Primary Output Endpoint: Marked Call Record Primary Number Instead of Group or Member? n Record Agent ID on Incoming? n Record Call-Assoc TSC? n Call Record for Outgoing Calls: dialed Privacy - Digits to Hide: 0 CDR Account Code Length: 15											

Step	Description																
7.	Add Client Room properties to a Class of Service:																
	Enter change cos , and for the Class of Service to be assigned to guest telephones, set the Client Room field to y (as shown below for Class of Service 5).																
	change cos	CL	ASS	OF	SE	RVI	CE						Pag	ge	1	of	2
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Auto Callback	n	У	У	n	У	n	У	n	У	n	У	n	У	n	У	n
	Call Fwd-All Calls	n	У	n	У	y	n	'n	У	У	n	n	У	У	n	n	У
	Data Privacy	n	Y	n	n	'n	У	У	У	y	n	n	n	n	У	У	Y
	Priority Calling	n	У	n	n	n	n	n	n	n	У	У	У	У	У	У	У
	Console Permissions	n	У	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Off-hook Alert	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Client Room	n	n	n	n	n	У	У	n	n	n	n	n	n	n	n	n
	Restrict Call Fwd-Off Net	У	У	У	У	У	У	У	У	У	У	У	У	У	У	У	У
	Call Forwarding Busy/DA	n	У	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Personal Station Access (PSA)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Extended Forwarding All	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Extended Forwarding B/DA	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Trk-to-Trk Transfer Override	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	QSIG Call Offer Originations	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
	Contact Closure Activation	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Description											
Set guest room Calling Party Restrictions in a Class of Restriction (COR): Enter change cor <i>n</i> , where <i>n</i> is the number of the Class of Restriction to be assigned to guest telephones (in this example, COR 5 is used). In the Calling Party Restriction field, enter all-toll.											
COR Number: 5 COR Description:											
FRL: 0APLT? yCan Be Service Observed? nCalling Party Restriction: all-tollCan Be A Service Observer? nCalled Party Restriction: nonePartitioned Group Number: 1Forced Entry of Account Codes? nPriority Queuing? nDirect Agent Calling? nRestricted Call List? nCan Change Coverage? nUnrestricted Call List:Fully Restricted Service? n											

Step	Description											
9.	Assign Class of Service and Class of Restriction values to guest telephones:											
	For each guest telephone extension <i>x</i> , enter change station <i>x</i> and enter in the COR and COS fields the values corresponding to the Class of Service and Class of Restriction administered in Steps 8 and 9 , respectively.											
	change station 44000	Pag	e 1 of 5									
		STATION										
	Extension: 44000 Type: 4625 Port: S00062 Name: FCS 4626 1 STATION OPTIONS	Lock Messages? n Security Code: 123456 Coverage Path 1: 1 Coverage Path 2: Hunt-to Station: Time of Day Lock Table:	BCC: 0 TN: 1 COR: 5 COS: 5									
	Speakerphone: 2-way Display Language: english Survivable GK Node Name: Survivable COR: internal Survivable Trunk Dest? y	Message Lamp Ext: Mute Button Enabled? Expansion Module? Media Complex Ext: IP SoftPhone?	1 44000 y n									
		Customizable Labels? y										

4. Configure FCS WinSuite

This section details the steps required to configure FCS WinSuite to interoperate with Avaya Communication Manager. These Application Notes assume that the FCS WinSuite application has already been properly installed by FCS services personnel.

1 Open the ECS WinSu	ite adminis		Description											
presented, as shown b	Open the FCS WinSuite administration client. The FCS WinSuite 99 for Avaya screen presented, as shown below.													
FCS WinSuite 99' for Avaya	FCS WinSuite 99' for Avaya (Version 3.0.8)													
		STOP												
System Configuration		Statistics -												
🛛 🎘 — г	- 🔊	F su	mmary	A am	uin 🛛 🔗	Guest	Operator	: 🛛 🤓 s	hop					
PABX	VoiceMail			Posted		No Poste	d	Rejected						
	~~~~	City Ca	11	0:	0.00	0:	0.00	0						
	- 🌌 🗌	Local C	all .	0:	0.00	0:	0.00	0						
PMS/FOS	FaxMail		3 <b>11</b>	U: 0-	0.00	U: 0-	0.00	0						
		Toll Fre	n De Call	0.	0.00	0. 0-	0.00	0						
AL	米圖	Premiur	n Call	0:	0.00	0:	0.00	0						
		AT&T C	Call	0:	0.00	0:	0.00	0						
Printer	Mobitel	City Fax	x	0:	0.00	0:	0.00	0						
		Local F	ax	0:	0.00	0:	0.00	0						
	- 🚈 💷	STD Fa	x	0:	0.00	0:	0.00	0						
Remote	Paging	Last Day-	-end repor	t: 23-Jul-3	2007 02:30:04	L .								
Charge Transactio	n L		PMS Tra	ansaction		[	Error Trans	action						
Extn Type Telephone No	) Desti	. Time	Duration	Trk/Pse	Basic Cha	Surcharge	e Tax	Total Charge						
Started 25-Jul-2007 (	):45:46 P													
Started 25-Jul-2007	1:23:20 P													
						-				-				
07/25/2007   4:25 PM   pabx up2						jCoj	oyright @ 1997-99	FCS Compute	er Systems	\$ <i>11.</i>				

Step	Description
2.	Select Activate -> WinSuite Configuration. In the subsequent Password window, enter the appropriate password to open the FCS WinSuite Configuration main screen, shown below.
	FCS WinSuite 99 Configuration [Ver.2.8.6]
	FCS Winsuite
	System <u>E</u> xit
	Call Option Code Mapping Data Format
	Telephone Extension Printer Miscellaneous Rates

Description								
Click the <b>System</b> icon, then in the subsequent <b>System</b> window, select <b>Configuration</b> . The <b>FCS WinSuite – Configuration</b> screen is presented, as shown below. Under the <b>Interface</b> tab, select "Avaya" from the drop-down menus for the <b>PABX</b> and <b>CDR</b> ( <b>Dial Out</b> ) fields, then click <b>OK</b> .								
Í	Customer M	odule Interface Communication						
	PABX	Avaya						
	PMS	Fidelio Open System						
	CDR(Dial Out)	Avaya						
	CDR (Internal)	Not Activated						
	VoiceMail	FCS Winvoice V3						
	FaxMail	Not Installed						
	Paging System	Not Installed						
	PayTV	No PayTV Info.						
	Internet Services	Not Installed						
	KeyCard	No KeyCard Info.						
	Log Printer							
		OK Cancel						
	Click the <b>Sys</b> <b>FCS WinSui</b> tab, select "A then click <b>OK</b>	Click the System icon, then in the set <b>FCS WinSuite – Configuration</b> set tab, select "Avaya" from the drop-dentities <b>OK</b> .           Image: provide the configuration         Image: pro						



Step	Description
5.	Identify the ARS access code used by Avaya Communication Manager in CDR records: Select ACCESSCODE from the Section column and AccessCode1 from the Item column. Enter the ARS access code in the lower-right text field (in this case, 9) and click Update.
	INI FileName Pabx_Code.ini
	Securit     nem     value       CDR     AccessCode1     9       ACCESSCODE     AccessCode2       GENERAL     AccessCode3
	FCS WINSHITE
	<u>U</u> pdate <u>Exit</u>

Step	Description									
6.	<i>Define the format of the incoming CDR records:</i> Return to the <b>FCS WinSuite Configuration</b> main screen (as shown in <b>Step 2</b> ) and click on the <b>Data Format</b> icon. In the subsequent <b>Data Format</b> window, select the <b>C.D.R.</b> icon. The <b>FCS WinSuite – Call Detail Record</b> screen is presented, as shown below. Click <b>New</b> to define a new record format. (At this point, the <b>New</b> button is replaced by a <b>Save</b> button.)									
	Enter an appropria <b>Start position</b> and produced by Avay administered in <b>S</b>	Enter an appropriate string in the <b>PABX Description</b> field (in this case, <b>Avaya</b> ) as well as <b>Start position</b> and <b>Length</b> values for each of the corresponding fields in the CDR records produced by Avaya Communication Manager, consistent with the output format administered in <b>Section 3, Step 6</b> . Click <b>Save</b> to create the record format.								
	PABX Description Outgoing Call Information Extension Phone No. Start Time (Hour) Start Time (Min) Start Date (Year) Start Date (Year) Start Date (Day) Sequence No. Access Code Trunk No. Auth. Code	Avaya on itart position Length 43 53 53 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	S Duration (Hour) Duration (Minute) Duration (Second) Account Code Tenant No. Rate Identifier Pulse End Time (Hour) End Time (Hour) End Time (Second) Validation Check Validation String	Last position       Len         0       0         6       3         9       1         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         16       9	gth Inco	oming Call Informatic oming Call oming String . CDR Record Leng gth 20	on Joh			
	<u>New</u> <u>E</u> c	lit <u>D</u> el	Find	k <u>I</u> op	< <u>B</u> ack	<u>N</u> ext >	Last >			

Step				D	escription				
7.	Define the form Manager via th	Define the format of Housekeeping/Room Status data received from Avaya Communication Manager via the PMS data link:							
	From the <b>Data Format</b> window (as described in <b>Step 6</b> ), select the <b>Room Status</b> icon. In the subsequent window, populate the various fields as shown below and click <b>OK</b> .								
	L	FCS WinSui	te - Roor	n Status				×	
		Maid Id	Position	Length	Extn No	Position	Length	<b>*</b> F	
		Data	4	1			String		
		Date Time	0	0	Confirmation Record Type	0	HK		
		Output Port	PMS		•				
					OK		Cancel		

### 5. Interoperability Compliance Testing

Interoperability compliance testing focused on FCS WinSuite's ability to work with Avaya Communication Manager. FCS WinSuite features and capabilities that were verified included the following: receipt and processing of Call Detail Records, check-in/check-out/room change for guest extensions, receipt of Housekeeping/Room Status changes initiated at guest telephones and forwarding to a simulated Property Management System, MWL activation for incoming voicemail, and DND activation/deactivation.

#### 5.1. General Test Approach

Feature functionality testing was performed manually. Inbound calls were made to the Avaya 4626 and 9640 IP Telephones (i.e. the guest telephones) over T1/PRI trunks, as well as from other local extensions (analog, digital, and IP Telephone). A simulated PMS application was used to launch changes to telephone message waiting lamps and phone privileges during room check in / check out / move requests, receive room status updates, and activate/deactivate DND.

#### 5.2. Test Results

All executed test cases were completed successfully. One observation of note was that the FCS WinSuite application needed to be restarted on occasion if the PMS data link went down. This,

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however, was not the general case, and the restart of FCS WinSuite is a sufficiently fast process such that service interruption is minimal.

### 6. Verification Steps

This section describes steps that may be used to verify the configuration.

Step		Description					
1.	To verify that the PMS data link between Avaya Communication Manager and FCS WinSuite is operational, enter <b>status pms-link</b> at the SAT and look for a status of <b>up</b> in the <b>Physical Link State</b> and <b>Protocol State</b> fields.						
	status pms-link	PMS LINK STATUS					
	Physical Li Protoc Maintena Data Base	nk State: up col State: up nce Busy? no Swapping? No					
2.	To verify that the CDR data link between Avaya Communication Manager and FCS WinSuite is operational, enter <b>status cdr-link</b> at the SAT and look for a status of <b>up</b> in the <b>Link State</b> field of the CDR link to FCS WinSuite (in this example, the <b>Primary</b> link).						
	status cor-link	CDR LINK STATUS	5				
		Primary	Secondary				
	Link State:	up	CDR not administered				
	Date & Time: Forward Seq. No: Backward Seq. No: CDR Buffer % Full: Reason Code:	2007/7 /26 17:41:32 0 0 0.00 OK	0 /0 /0 0 :0 :0 0 0.00				

Property Management System	guest extension x, initiate such a request from the assolute the Aveva Communication Manager SAT enter st					
station x and verify that Room Status is occupied and User Cntrl Restr is none						
-	-					
status station 44000	Page 1 of					
	GENERAL STATUS					
Administered Type: 4625	Service State: in-service/on-hoc					
Connected Type: 4626	TCP Signal Status: connected					
Extension: 4400	0					
Port: S000	52 Parameter Download: complete					
Call Parked? no	SAC Activated? no					
Ring Cut Off Act? no						
Active Coverage Option: 1						
EC500 Status: N/A	Off-PBX Service State: N/A					
Message Waiting:						
Connected Ports:						
Limit Incoming Colleg no						
Limit incoming caris? no						
User Cntrl Restr: none	HOSPITALITY STATUS					
Group Cntrl Restr: none	Awaken at:					
	User DND: not activated					
	Group DND: not activated					
	Room Status: occupied					

### 7. Support

Tor technical support on FCS WinSuite, contact FCS Computer Systems at http://www.fcscs.com/support.htm.

## 8. Conclusion

These Application Notes describe the procedures for configuring FCS WinSuite to interoperate with Avaya Communication Manager. All interoperability compliance test cases executed against such a configuration were completed successfully.

### 9. Additional References

- 1. "Administration for Network Connectivity for Avaya Communication Manager," Document ID 555-233-504.
- 2. "Administrator Guide for Avaya Communication Manager," Document ID 03-300509.

3. "Application Notes for FCS VoiceMail with Avaya Communication Manager."

Additional product documentation may be found at the following sites:

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SPOC 8/25/2007	©2007 Avaya Inc. All Rights Reserved.	CM-FCSWS

- Avaya: <u>http://support.avaya.com</u>
  FCS: <u>http://www.fcscs.com</u>

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