



# Avaya Definity G3si MV1.3 using T1 QSIG to Cisco Unified CallManager 4.0

December 12, 2007 Revision 3

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## Introduction

This is an application note for connectivity of Avaya Definity G3si MV1.3 PBX with Cisco Unified CallManager (CUCM) Release 4.0 using Cisco 6608-T1 QSIG as MGCP gateway.

The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with the Cisco Unified CallManager connected to the PBX via 6608-T1 QSIG link as MGCP gateway.

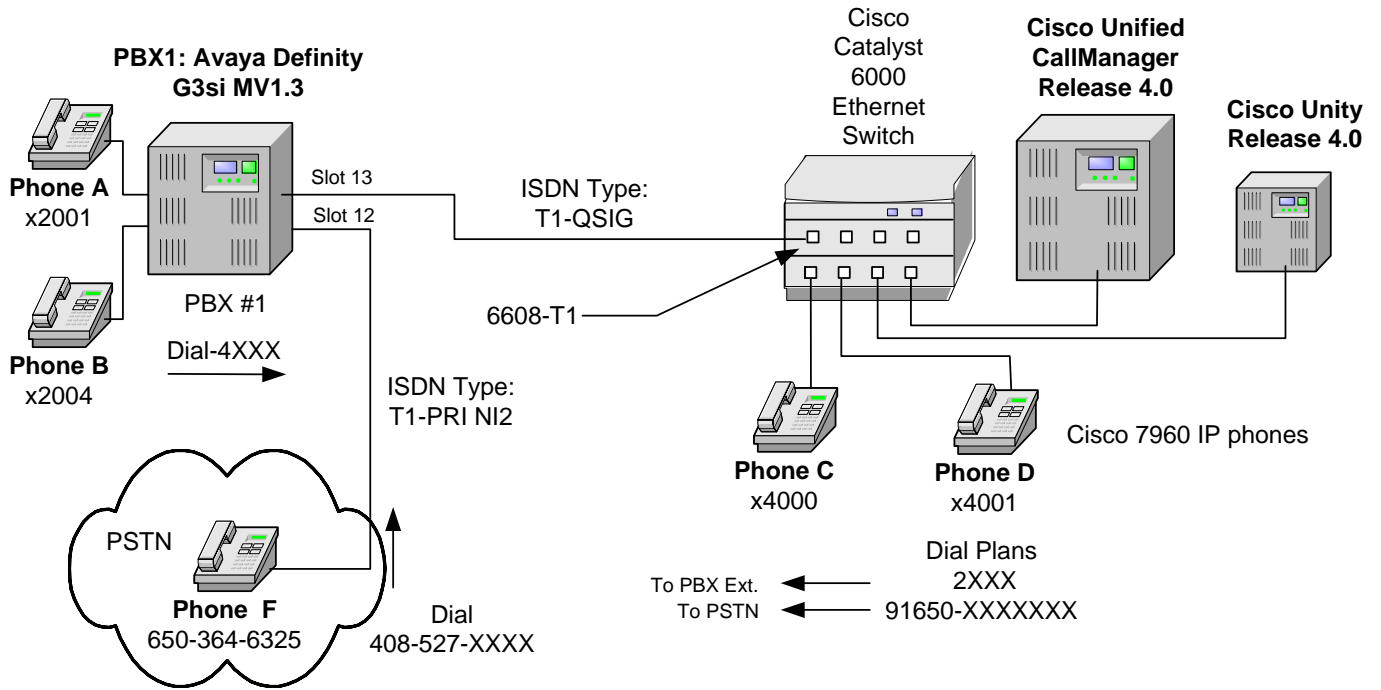
Connectivity is achieved by using the PRI ISO QSIG T1 protocol type on the MGCP gateway and QSIG protocol (with option “b” for Supplementary Service Protocol) on the Avaya PBX.



## Network Topology

Figure 1. Network Topology

### Basic Call Setup End-to-End Configuration



## Limitations

### System Components

#### Hardware Requirements

Cisco Hardware:

Cisco Catalyst 6000 switch with 6608-T1 gateway

Cisco Unified CallManager 4.0

Cisco Unity 4.0

Avaya Definity G3si MV1.3 PBX Hardware:

TN464F, DS1 INTFC 24/32

#### Software Requirements

PBX Software MV1.3

Cisco Unified CallManager Release 4.0

Cisco Unity Release 4.0



Cisco WS-X6608-T1 gateway Version 7.6(2)

## Features

### Features Supported

CLIP-Calling Line (Number) Identification Presentation  
CLIR-Calling Line (Number) Identification Restriction  
CNIP-Calling Name Identification Presentation  
CNIR-Calling Name Identification Restriction  
COLP-Connected Line (Number) Identification Presentation  
COLR- Connected Line (Number) Identification Restriction  
CONP-Connected Name Identification Presentation  
CONR- Connected Name Identification Restriction  
CT-Call Transfer (by join)  
CFU-Call Forwarding Unconditional (by join)  
CFB-Call Forwarding Busy (by join)  
CFNR-Call Forwarding No Reply (by join)  
MWI- Message Waiting Indication (lamp ON, lamp OFF) <sup>1</sup>

### Features Not Supported

CUCM 4.0 release does not support sending Alerting Name or Busy Name Identification information

## Configuration

### Configuring the Avaya Definity G3si MV1.3 PBX

Configure in the following sequence:

1. Add the new circuit pack.
2. Add the new signaling group.
3. Add the new trunk group.
4. Add Uniform Dialing Plan.
5. Configure Stations for qsig-MWI

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<sup>1</sup> MWI was tested with Cisco Unified CallManager 4.0 configured with Cisco Unity as the message center PINX and PBX users as remote subscribers.



## Configuration Menus and Commands

### DS1 Circuit Pack

change ds1 a13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 |

**DS1 CIRCUIT PACK**

Location:	01A13	Name:	T1 QSIG
Bit Rate:	1.544	Line Coding:	b8zs
Line Compensation:	1	Framing Mode:	esf
Signaling Mode:	isdn-pri	Interface:	peer-slave
Connect:	pbx	Peer Protocol:	Q-SIG
TN-C7 Long Timers?	n	Side:	b
Interworking Message:	PROGress	CRC?	n
Interface Companding:	mulaw	DCP/Analog Bearer Capability:	3.1kHz
Idle Code:	11111111		

Slip Detection?  n                      Near-end CSU Type:

Right-click in a field to see a list of valid entries or help text

Ready NUM



### Signaling Group

change signaling-group 13    send [return]    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1

**SIGNALING GROUP**

<b>Group Number:</b> 13	<b>Group Type:</b> isdn-pri	
<b>Associated Signaling?</b> u	<b>Max number of NCA TSC:</b> 5	
<b>Primary D-Channel:</b> 01A1324	<b>Max number of CA TSC:</b> 23	
	<b>Trunk Group for NCA TSC:</b> 13	
<b>Trunk Group for Channel Selection:</b> 13	<b>X-Mobility/Wireless Type:</b> NONE	
<b>Supplementary Service Protocol:</b> b		

Right-click in a field to see a list of valid entries or help text

Ready NUM



### Trunk Group

change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 2 3 4 5 6 7 8 9

**TRUNK GROUP**

Group Number: 13                      Group Type: isdn                      CDR Reports: y  
Group Name: QSIG TIE to U9                      COR: 1                      TN: 1                      TAC: 613  
Direction: two-way                      Outgoing Display? y                      Carrier Medium: PRI/BRI  
Dial Access? y                      Busy Threshold: 99                      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: 0                      Codeset to Send National IEs: 6  
Max Message Size to Send: 260                      Charge Advice: during-on-request  
Supplementary Service Protocol: b                      Digit Handling (in/out): overlap/enbloc  
Digit Treatment:                                 Digits:             
Trunk Hunt: ascend                      QSIG Value-Added? y  
Digital Loss Group: 13  
Calling Number - Delete:            Insert:                                 Numbering Format: lev0-pvt  
Bit Rate: 1200                      Synchronization: async                      Duplex: full  
Disconnect Supervision - In? y Out? y  
Answer Supervision Timeout: 0

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Ready                      NUM                      //



change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 2 3 4 5 6 7 8 9

**TRUNK FEATURES**

ACA Assignment?	<input type="checkbox"/> n	Measured:	<input type="text" value="none"/>	Wideband Support?	<input type="checkbox"/> n
		Internal Alert?	<input type="checkbox"/> n	Maintenance Tests?	<input type="checkbox"/> y
		Data Restriction?	<input type="checkbox"/> n	NCA-TSC Trunk Member:	<input type="text"/>
		Send Name:	<input type="checkbox"/> y	Send Calling Number:	<input type="checkbox"/> y
Used for DCS?	<input type="checkbox"/> n	Hop Dgt?	<input type="checkbox"/> n		
Suppress # Outpulsing?	<input type="checkbox"/> n	Numbering Format:	<input type="text" value="private"/>		
Outgoing Channel ID Encoding:	<input type="text" value="preferred"/>	UII IE Treatment:	<input type="text" value="service-provider"/>		
Charge Conversion:	<input type="text" value="1"/>			Replace Restricted Numbers?	<input type="checkbox"/> y
Decimal Point:	<input type="text" value="none"/>			Replace Unavailable Numbers?	<input type="checkbox"/> n
Currency Symbol:	<input type="text"/>			Send Called/Busy/Connected Number:	<input type="checkbox"/> y
Charge Type:	<input type="text" value="units"/>				
		Send UII IE?	<input type="checkbox"/> n		
		Send UCID?	<input type="checkbox"/> n		
Send Codeset 6/7 LAI IE?	<input type="checkbox"/> y			Ds1 Echo Cancellation?	<input type="checkbox"/> n
Path Replacement with Retention?	<input type="checkbox"/> n				
Path Replacement Method:	<input type="text" value="better-route"/>				
SBS?	<input type="checkbox"/> n	Network (Japan) Needs Connect Before Disconnect?	<input type="checkbox"/> n		

Right-click in a field to see a list of valid entries or help text

Ready



change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

**TRUNK GROUP**  
Administered Members (min/max): 1/23  
Total Administered Members: 23

**GROUP MEMBER ASSIGNMENTS**

	Port	Code	Sfx	Name	Night	Sig Grp
1:	01A1301	TN464	F			13
2:	01A1302	TN464	F			13
3:	01A1303	TN464	F			13
4:	01A1304	TN464	F			13
5:	01A1305	TN464	F			13
6:	01A1306	TN464	F			13
7:	01A1307	TN464	F			13
8:	01A1308	TN464	F			13
9:	01A1309	TN464	F			13
10:	01A1310	TN464	F			13
11:	01A1311	TN464	F			13
12:	01A1312	TN464	F			13
13:	01A1313	TN464	F			13
14:	01A1314	TN464	F			13
15:	01A1315	TN464	F			13

Right-click in a field to see a list of valid entries or help text

Ready NUM





change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

**TRUNK GROUP**  
Administered Members (min/max): 1/23  
Total Administered Members: 23

**GROUP MEMBER ASSIGNMENTS**

	Port	Code	Sfx	Name	Night	Sig Grp
16:	01A1316	TN464	F			13
17:	01A1317	TN464	F			13
18:	01A1318	TN464	F			13
19:	01A1319	TN464	F			13
20:	01A1320	TN464	F			13
21:	01A1321	TN464	F			13
22:	01A1322	TN464	F			13
23:	01A1323	TN464	F			13
24:						
25:						
26:						
27:						
28:						
29:						
30:						

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Uniform Dialing Plan

change dialplan analysis send [return] help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3

DIAL PLAN ANALYSIS TABLE Percent Full: 7

Dialed String	Total Length	Call Type	Dialed String	Total Length	Call Type	Dialed String	Total Length	Call Type
0	1	attd						
16	4	ext						
20	4	ext						
3	4	ext						
4	4	ext						
5	4	ext						
6	3	dac						
8	1	fac						
9	1	fac						
*	3	fac						

Right-click in a field to see a list of valid entries or help text

Ready NUM





change aar analysis 444

send (return)

help (f5)

cancel (esc)

enter (f3)

schedule (f9)

next (f7)

previous (f8)

1 2

### AAR DIGIT ANALYSIS TABLE

Percent Full: 8

Dialed String	Total		Route Pattern	Call Type	Node Num	ANI Reqd
	Min	Max				
444	7	7	104	lev0	2	n
469	10	10	11	aar		n
5	7	7	254	aar		n
555	7	7	105	lev0	3	n
6	7	7	254	aar		n
600	7	7	11	aar		n
605	7	7	5	aar		n
608	7	7	8	aar		n
609	7	7	9	aar		n
611	7	7	11	lev0	10	n
612	7	7	13	aar		n
613	4	28	13	aar		n
614	3	28	14	aar		n
615	7	7	15	aar		n
616	7	7	16	aar		n

Right-click in a field to see a list of valid entries or help text

Ready

NUM



change route-pattern 104    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1

Pattern Number: 104 Pattern Name:

Grp No	FRL	NPA	Pfx Mrk	Hop Lmt	Toll List	No. Del	Inserted Dgts	DCS/ IXC QSIG Intw
1:	13	0			6		3	n user
2:	14	0			6		3	n user
3:								n user
4:								n user
5:								n user
6:								n user

Grp No	BCC VALUE					TSC	CA-TSC Request	ITC	BCIE	Service/Feature	BAND	No. Dgts	Numbering Format	LAR Subaddress
	0	1	2	3	4									
1:	y	y	y	y	n	y	as-needed	bothept					lev0-pvt	none
2:	y	y	y	y	n	y	as-needed	bothept					lev0-pvt	none
3:	y	y	y	y	n	n		rest						none
4:	y	y	y	y	n	n		rest						none
5:	y	y	y	y	n	n		rest						none
6:	y	y	y	y	n	n		rest						none

Right-click in a field to see a list of valid entries or help text

Ready NUM



### CLIR (Calling Line Identification Restriction) Trunk Configuration

change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK FEATURES**

ACA Assignment?	<input type="checkbox"/> n	Measured:	<input type="text" value="none"/>	Wideband Support?	<input type="checkbox"/> n
				Maintenance Tests?	<input checked="" type="checkbox"/> y
		Data Restriction?	<input type="checkbox"/> n	NCA-TSC Trunk Member:	<input type="checkbox"/>
		Send Name:	<input checked="" type="checkbox"/> y	Send Calling Number:	<input checked="" type="checkbox"/> r
Used for DCS?	<input type="checkbox"/> n	Hop Dgt?	<input checked="" type="checkbox"/> y		
Suppress # Outpulsing?	<input type="checkbox"/> n	Numbering Format:	<input type="text" value="private"/>		
Outgoing Channel ID Encoding:	<input type="text" value="preferred"/>	UUI IE Treatment:	<input type="text" value="service-provider"/>		
Charge Conversion:	<input type="text" value="1"/>			Replace Restricted Numbers?	<input checked="" type="checkbox"/> y
Decimal Point:	<input type="text" value="none"/>			Replace Unavailable Numbers?	<input type="checkbox"/> n
Currency Symbol:	<input type="text"/>			Send Called/Busy/Connected Number:	<input checked="" type="checkbox"/> y
Charge Type:	<input type="text" value="units"/>				
		Send UUI IE?	<input type="checkbox"/> n		
		Send UCID?	<input type="checkbox"/> n		
Send Codeset 6/7 LAI IE?	<input checked="" type="checkbox"/> y			Ds1 Echo Cancellation?	<input type="checkbox"/> n
Path Replacement with Retention?	<input type="checkbox"/> n				
Path Replacement Method:	<input type="text" value="better-route"/>				
SBS?	<input type="checkbox"/> n	Network (Japan) Needs Connect Before Disconnect?	<input type="checkbox"/> n		

Right-click in a field to see a list of valid entries or help text

Ready



### COLR (Connected Line Identification Restriction) TrunkConfiguration

change trunk-group 13    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK FEATURES**

ACA Assignment?	<input type="checkbox"/> n	Measured:	<input type="text" value="none"/>	Wideband Support?	<input type="checkbox"/> n
				Maintenance Tests?	<input checked="" type="checkbox"/> y
		Data Restriction?	<input type="checkbox"/> n	NCA-TSC Trunk Member:	<input type="checkbox"/>
		Send Name:	<input checked="" type="checkbox"/> y	Send Calling Number:	<input checked="" type="checkbox"/> y
Used for DCS?	<input type="checkbox"/> n	Hop Dgt?	<input checked="" type="checkbox"/> y		
Suppress # Outpulsing?	<input type="checkbox"/> n	Numbering Format:	<input type="text" value="private"/>		
Outgoing Channel ID Encoding:	<input type="text" value="preferred"/>	UUI IE Treatment:	<input type="text" value="service-provider"/>		
Charge Conversion:	<input type="text" value="1"/>			Replace Restricted Numbers?	<input checked="" type="checkbox"/> y
Decimal Point:	<input type="text" value="none"/>			Replace Unavailable Numbers?	<input type="checkbox"/> n
Currency Symbol:	<input type="text"/>			Send Called/Busy/Connected Number:	<input checked="" type="checkbox"/> r
Charge Type:	<input type="text" value="units"/>				
Send UUI IE?	<input type="checkbox"/> n				
Send UCID?	<input type="checkbox"/> n				
Send Codeset 6/7 LAI IE?	<input checked="" type="checkbox"/> y			Ds1 Echo Cancellation?	<input type="checkbox"/> n
Path Replacement with Retention?	<input type="checkbox"/> n				
Path Replacement Method:	<input type="text" value="better-route"/>				
SBS?	<input type="checkbox"/> n	Network (Japan) Needs Connect Before Disconnect?			<input type="checkbox"/> n

Right-click in a field to see a list of valid entries or help text

Ready



### CNIR/CONR (Calling/Connected Name Identification Restriction) Trunk Configuration

change trunk-group 13    send [return]    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK FEATURES**

ACA Assignment?	<input type="checkbox"/> n	Measured:	<input type="text" value="none"/>	Wideband Support?	<input type="checkbox"/> n
				Maintenance Tests?	<input checked="" type="checkbox"/> y
		Data Restriction?	<input type="checkbox"/> n	NCA-TSC Trunk Member:	<input type="checkbox"/>
		Send Name:	<input type="text" value="r"/>	Send Calling Number:	<input checked="" type="checkbox"/> y
Used for DCS?	<input type="checkbox"/> n	Hop Dgt?	<input checked="" type="checkbox"/> y		
Suppress # Outpulsing?	<input type="checkbox"/> n	Numbering Format:	<input type="text" value="private"/>		
Outgoing Channel ID Encoding:	<input type="text" value="preferred"/>	UUI IE Treatment:	<input type="text" value="service-provider"/>		
Charge Conversion:	<input type="text" value="1"/>			Replace Restricted Numbers?	<input checked="" type="checkbox"/> y
Decimal Point:	<input type="text" value="none"/>			Replace Unavailable Numbers?	<input type="checkbox"/> n
Currency Symbol:	<input type="text"/>			Send Called/Busy/Connected Number:	<input checked="" type="checkbox"/> y
Charge Type:	<input type="text" value="units"/>				
Send UUI IE?	<input type="checkbox"/> n				
Send UCID?	<input type="checkbox"/> n				
Send Codeset 6/7 LAI IE?	<input checked="" type="checkbox"/> y			Ds1 Echo Cancellation?	<input type="checkbox"/> n
Path Replacement with Retention?	<input type="checkbox"/> n				
Path Replacement Method:	<input type="text" value="better-route"/>				
SBS?	<input type="checkbox"/> n	Network (Japan) Needs Connect Before Disconnect?			<input type="checkbox"/> n

Right-click in a field to see a list of valid entries or help text

Ready





### PSTN DS1 Circuit Pack Configuration

change ds1 a12    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2

**DS1 CIRCUIT PACK**

Location:	01A12	Name:	T1 PSTN PRI
Bit Rate:	1.544	Line Coding:	b8zs
Line Compensation:	1	Framing Mode:	esf
Signaling Mode:	isdn-pri		
Connect:	network		
TN-C7 Long Timers?	n	Country Protocol:	1
Interworking Message:	PROGress	Protocol Version:	b
Interface Companding:	mulaw	CRC?	n
Idle Code:	11111111		

DCP/Analog Bearer Capability: 3.1kHz

Slip Detection?	y	Near-end CSU Type:	other
-----------------	---	--------------------	-------

Right-click in a field to see a list of valid entries or help text

Ready    NUM



### PSTN Signaling Group

change signaling-group 12    send [return]    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1   2   3   4   5

**SIGNALING GROUP**

**Group Number:** 12                      **Group Type:** isdn-pri

**Associated Signaling?**                       **Max number of NCA TSC:**

**Primary D-Channel:**                       **Max number of CA TSC:**

**Trunk Group for Channel Selection:**                       **Trunk Group for NCA TSC:**

**Supplementary Service Protocol:**                       **X-Mobility/Wireless Type:**

Right-click in a field to see a list of valid entries or help text

Ready  NUM



### PSTN Trunk Configuration

change trunk-group 12    send [return]    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

**TRUNK GROUP**

Group Number: 12                      Group Type: **isdn**                      CDR Reports: **y**  
Group Name: **MU1.2 to PSTN on U6**                      COR: **1**                      TN: **1**                      TAC: **612**  
Direction: **two-way**                      Outgoing Display? **y**                      Carrier Medium: **PRI/BRI**  
Dial Access? **y**                      Busy Threshold: **99**                      Night Service:   
Queue Length: **0**  
Service Type: **public-ntwrk**                      Auth Code? **n**                      TestCall ITC: **rest**  
Far End Test Line No:   
TestCall BCC: **4**

**TRUNK PARAMETERS**

Codeset to Send Display: **0**                      Codeset to Send National IEs: **7**  
Max Message Size to Send: **260**                      Charge Advice: **none**  
Supplementary Service Protocol: **a**                      Digit Handling (in/out): **enbloc/enbloc**

Trunk Hunt: **ascend**                      QSIG Value-Added? **n**  
Digital Loss Group: **13**

Calling Number - Delete:  Insert:                       Numbering Format:   
Bit Rate: **1200**                      Synchronization: **async**                      Duplex: **full**  
Disconnect Supervision - In? **y** Out? **n**  
Answer Supervision Timeout: **0**

Right-click in a field to see a list of valid entries or help text

Ready                      NUM







change trunk-group 12    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

**TRUNK GROUP**  
Administered Members (min/max): 1/15  
Total Administered Members: 15

**GROUP MEMBER ASSIGNMENTS**

	Port	Code	Sfx	Name	Night	Sig Grp
1:	01A1201	TN464	F			12
2:	01A1202	TN464	F			12
3:	01A1203	TN464	F			12
4:	01A1204	TN464	F			12
5:	01A1205	TN464	F			12
6:	01A1206	TN464	F			12
7:	01A1207	TN464	F			12
8:	01A1208	TN464	F			12
9:	01A1209	TN464	F			12
10:	01A1210	TN464	F			12
11:	01A1211	TN464	F			12
12:	01A1212	TN464	F			12
13:	01A1213	TN464	F			12
14:	01A1214	TN464	F			12
15:	01A1215	TN464	F			12

Right-click in a field to see a list of valid entries or help text

Ready NUM



PSTN Access Code (9)

change feature-access-codes							send (return)	help (f5)	cancel (esc)	enter (f3)	schedule (f9)	next (f7)	previous (f8)				
1	2	3	4	5	6	7											
<b>FEATURE ACCESS CODE (FAC)</b>																	
Abbreviated Dialing List1 Access Code:												<input type="text"/>					
Abbreviated Dialing List2 Access Code:												<input type="text"/>					
Abbreviated Dialing List3 Access Code:												<input type="text"/>					
Abbreviated Dial - Prgm Group List Access Code:												<input type="text"/>					
Announcement Access Code:												<input type="text"/>					
Answer Back Access Code:												<input type="text"/>					
Auto Alternate Routing (AAR) Access Code:												8					
Auto Route Selection (ARS) - Access Code 1:												9		Access Code 2:		<input type="text"/>	
Automatic Callback Activation:												<input type="text"/>		Deactivation:		<input type="text"/>	
Call Forwarding Activation Busy/DA: *66												All: *67		Deactivation: *69		<input type="text"/>	
Call Park Access Code:												<input type="text"/>					
Call Pickup Access Code:												<input type="text"/>					
CAS Remote Hold/Answer Hold-Unhold Access Code:												<input type="text"/>					
CDR Account Code Access Code:												<input type="text"/>					
Change COR Access Code:												<input type="text"/>					
Change Coverage Access Code:												<input type="text"/>					
Data Origination Access Code:												<input type="text"/>					
Data Privacy Access Code:												<input type="text"/>					
Directed Call Pickup Access Code:												<input type="text"/>					
Right-click in a field to see a list of valid entries or help text																	
Ready																	
												NUM					



PSTN Dialing Plan

change ars analysis 165    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1    2

**ARS DIGIT ANALYSIS TABLE**  
Location: all                      Percent Full: 8

Dialed String	Total Min	Total Max	Route Pattern	Call Type	Node Num	ANI Reqd
165	11	11	111	fnpa		n
166	11	11	deny	fnpa		n
167	11	11	deny	fnpa		n
168	11	11	deny	fnpa		n
169	11	11	deny	fnpa		n
170	11	11	deny	fnpa		n
1700	11	11	deny	fnpa		n
171	11	11	deny	fnpa		n
172	11	11	deny	fnpa		n
173	11	11	deny	fnpa		n
174	11	11	deny	fnpa		n
175	11	11	deny	fnpa		n
176	11	11	deny	fnpa		n
177	11	11	deny	fnpa		n
178	11	11	deny	fnpa		n

Right-click in a field to see a list of valid entries or help text

Ready NUM





change route-pattern 111    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1

Pattern Number: 111 Pattern Name:

Grp No	FRL	NPA	Pfx Mrk	Hop Lmt	Toll List	No. Del	Inserted Dgts	DCS/ IXC	IXC
								QSIG	Intw
1:	12	0	408					n	user
2:								n	user
3:								n	user
4:								n	user
5:								n	user
6:								n	user

Grp No	BCC VALUE						TSC	CA-TSC Request	ITC	BCIE	Service/Feature	BAND	No. Dgts	Numbering Format	LAR
	0	1	2	3	4	W									
1:	y	y	y	y	y	n	n		rest					natl-pub	none
2:	y	y	y	y	y	n	n		rest						none
3:	y	y	y	y	y	n	n		rest						none
4:	y	y	y	y	y	n	n		rest						none
5:	y	y	y	y	y	n	n		rest						none
6:	y	y	y	y	y	n	n		rest						none

Right-click in a field to see a list of valid entries or help text

Ready NUM



### Configure Station for qsig MWI

change station 2001    send [return]    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1   2   3   4

**STATION**

Extension: 2001	Lock Messages? <input type="checkbox"/> n	BCC: 0
Type: 6408D+	Security Code: <input type="text"/>	TN: 1
Port: 01A0404	Coverage Path 1: <input type="text"/>	COR: 1
Name: Sadie the horse	Coverage Path 2: <input type="text"/>	COS: 1
	Hunt-to Station: <input type="text"/>	

**STATION OPTIONS**

Loss Group: 2	Personalized Ringing Pattern: 1
Data Module? <input type="checkbox"/> n	Message Lamp Ext: 2001
Speakerphone: 2-way	Mute Button Enabled? <input type="checkbox"/> u
Display Language: english	
	Media Complex Ext: <input type="text"/>
	IP SoftPhone? <input type="checkbox"/> n
	Remote Office Phone? <input type="checkbox"/> n

Right-click in a field to see a list of valid entries or help text

Ready NUM



change station 2001    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1   2   3   4

**STATION**

**FEATURE OPTIONS**

LWC Reception:	<input type="text" value="none"/>	Auto Select Any Idle Appearance?	<input type="text" value="n"/>
LWC Activation?	<input type="text" value="y"/>	Coverage Msg Retrieval?	<input type="text" value="y"/>
LWC Log External Calls?	<input type="text" value="n"/>	Auto Answer:	<input type="text" value="none"/>
CDR Privacy?	<input type="text" value="n"/>	Data Restriction?	<input type="text" value="n"/>
Redirect Notification?	<input type="text" value="y"/>	Idle Appearance Preference?	<input type="text" value="n"/>
Per Button Ring Control?	<input type="text" value="n"/>	Restrict Last Appearance?	<input type="text" value="y"/>
Bridged Call Alerting?	<input type="text" value="n"/>		
Active Station Ringing:	<input type="text" value="single"/>		
H.320 Conversion?	<input type="text" value="n"/>	Per Station CPN - Send Calling Number?	<input type="checkbox"/>
Service Link Mode:	<input type="text" value="as-needed"/>		
Multimedia Mode:	<input type="text" value="basic"/>	Audible Message Waiting?	<input type="text" value="n"/>
MWI Served User Type:	<input type="text" value="qsiq-mwi"/>	Display Client Redirection?	<input type="text" value="n"/>
		Select Last Used Appearance?	<input type="text" value="n"/>
		Coverage After Forwarding?	<input type="text" value="s"/>
		Multimedia Early Answer?	<input type="text" value="n"/>
		Direct IP-IP Audio Connections?	<input type="text" value="y"/>
		IP Audio Hairpinning?	<input type="text" value="y"/>

Emergency Location Ext:

Right-click in a field to see a list of valid entries or help text

Ready  NUM



change station 2001    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4

**STATION**

**SITE DATA**

Room:	<input type="text"/>	Headset?	<input type="text" value="n"/>
Jack:	<input type="text"/>	Speaker?	<input type="text" value="n"/>
Cable:	<input type="text"/>	Mounting:	<input type="text" value="d"/>
Floor:	<input type="text"/>	Cord Length:	<input type="text" value="0"/>
Building:	<input type="text"/>	Set Color:	<input type="text"/>

**ABBREVIATED DIALING**

List1:                       List2:                       List3:

**BUTTON ASSIGNMENTS**

1:	<input type="text" value="call-appr"/>	5:	<input type="text"/>
2:	<input type="text" value="call-appr"/>	6:	<input type="text"/>
3:	<input type="text" value="call-appr"/>	7:	<input type="text" value="call-fwd"/> Ext: <input type="text"/>
4:	<input type="text"/>	8:	<input type="text" value="cfwd-bsyda"/> Ext: <input type="text"/>

Right-click in a field to see a list of valid entries or help text

Ready  NUM



change station 2001    send (return)    help (f5)    cancel (esc)    enter (f3)    schedule (f9)    next (f7)    previous (f8)

1 | 2 | 3 | 4

**STATION**

**SOFTKEY BUTTON ASSIGNMENTS**

1:	directory
2:	drop
3:	int-aut-an
4:	timer
5:	priority
6:	auto-cback
7:	abr-prog
8:	abr-spchar Char: ~p
9:	lwc-store
10:	ringer-off
11:	btn-view
12:	admin

Right-click in a field to see a list of valid entries or help text

Ready NUM



## Configuring the Cisco Unified CallManager

### 6608-T1 Gateway Configuration

System Route Plan Service Feature Device User Application Help

**Cisco CallManager Administration**  
For Cisco IP Telephony Solutions

CISCO SYSTEMS

## Gateway Configuration

[Back to Find/List Gateways](#)  
[Dependency Records](#)

**Product : Cisco Catalyst 6000 T1 VoIP Gateway**  
**Gateway : S0/DS1-0@SDA0001C9D93A98**  
**Device Protocol: Digital Access PRI**  
**Registration: Registered with Cisco CallManager 172.20.32.254**  
**IP Address: [172.20.32.112](#)**

Status: Ready

### Device Information

MAC Address*	<input type="text" value="0001C9D93A98"/>
Description	<input type="text" value="SDA0001C9D93A98"/>
Device Pool*	<input type="text" value="Default"/>
Network Locale	<input type="text" value="United States"/>
Media Resource Group List	<input type="text" value=" &lt; None &gt;"/>
Location	<input type="text" value=" &lt; None &gt;"/>
AAR Group	<input type="text" value=" &lt; None &gt;"/>
Load Information	<input type="text"/>


### Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain (e.g., "0000FF")	<input type="text"/>
MLPP Indication	<input type="text" value="Off"/>
MLPP Preemption	<input type="text" value="Disabled"/>

### Interface Information

PRI Protocol Type*	<input type="text" value="PRI ISO QSIG T1"/>
Protocol Side*	<input type="text" value="Network"/>
Channel Selection Order*	<input type="text" value="Top Down"/>
Channel IE Type*	<input type="text" value="Timeslot Number"/>

PCM Type*	<input type="text" value="μ-law"/>
Delay for first restart (1/8 sec ticks)	<input type="text" value="32"/>
Delay between restarts (1/8 sec ticks)	<input type="text" value="4"/>
<input checked="" type="checkbox"/> Inhibit restarts at PRI initialization	
<input checked="" type="checkbox"/> Enable status poll	
<b>Call Routing Information</b>	
<b>Inbound Calls</b>	
Significant Digits*	<input type="text" value="All"/>
Calling Search Space	<input type="text" value="Incoming Trunk"/>
AAR Calling Search Space	<input type="text" value="&lt; None &gt;"/>
Prefix DN	<input type="text"/>
<b>Outbound Calls</b>	
Calling Line ID Presentation*	<input type="text" value="Default"/>
Calling Party Selection*	<input type="text" value="Originator"/>
Called party IE number type unknown*	<input type="text" value="Unknown"/>
Calling party IE number type unknown*	<input type="text" value="Unknown"/>
Called Numbering Plan*	<input type="text" value="Private"/>
Calling Numbering Plan*	<input type="text" value="Private"/>
Number of digits to strip*	<input type="text" value="0"/>
Caller ID DN	<input type="text"/>
SMDI Base Port*	<input type="text" value="0"/>
<b>PRI Protocol Type Specific Information</b>	
<input checked="" type="checkbox"/> Display IE Delivery	
<input checked="" type="checkbox"/> Redirecting Number IE Delivery - Outbound	
<input checked="" type="checkbox"/> Redirecting Number IE Delivery - Inbound	
<input checked="" type="checkbox"/> Send Extra Leading Character In DisplayIE***	
<input type="checkbox"/> Setup non-ISDN Progress Indicator IE Enable****	

<input type="checkbox"/>	MCDN Channel Number Extension Bit Set to Zero**
<input type="checkbox"/>	Send Calling Name In Facility IE
<input type="checkbox"/>	Interface Identifier Present**
Interface Identifier Value**	<input type="text" value="0"/>
Connected Line ID Presentation (QSIG Inbound Call)*	<input type="text" value="Default"/>
Connected PBX Model	<input type="text" value="None"/>
<b>Product Specific Configuration</b> 	
Clock Reference*	<input type="text" value="Network"/>
TX-Level CSU*	<input type="text" value="0dB"/>
FDL Channel*	<input type="text" value="ATT 54016"/>
Framing*	<input type="text" value="ESF"/>
Audio Signal Adjustment into IP Network*	<input type="text" value="NoDbPadding"/>
Audio Signal Adjustment from IP Network*	<input type="text" value="NoDbPadding"/>
Yellow Alarm*	<input type="text" value="Bit2"/>
Zero Suppression*	<input type="text" value="B8ZS"/>
Digit On Duration(50-500ms)*	<input type="text" value="100"/>
Interdigit Duration(50-500msec)*	<input type="text" value="100"/>
SNMP Community String	<input type="text" value="public"/>
Disable SNMP Set operations*	<input type="checkbox"/>
Debug Port Enable*	<input checked="" type="checkbox"/>
Hold Tone Silence Duration*	<input type="text" value="0"/>
Port Used for Voice Calls*	<input checked="" type="checkbox"/>
Port Used for Modem Calls*	<input checked="" type="checkbox"/>
Port Used for Fax Calls*	<input checked="" type="checkbox"/>
<b>Fax and Modem Parameters</b>	
Fax Relay Enable*	<input checked="" type="checkbox"/>
Fax Error Correction Mode Override*	<input checked="" type="checkbox"/>
Maximum Fax Rate*	<input type="text" value="14400bps"/>



Fax Payload Size*	<input type="text" value="20"/>
Non Standard Facilities Country Code*	<input type="text" value="65535"/>
Non Standard Facilities Vendor Code*	<input type="text" value="65535"/>
Fax/Modem Packet Redundancy*	<input type="checkbox"/>
NSE Type*	<input type="text" value="Non-IOS Gateways"/>

**Playout Delay Parameters**

Initial Playout Delay*	<input type="text" value="40"/>
Minimum Playout Delay*	<input type="text" value="20"/>
Maximum Playout Delay*	<input type="text" value="150"/>

**Echo Canceller Configuration**

Echo TailLength (ms)*	<input type="text" value="32 ms"/>
Minimum ERL (db)*	<input type="text" value="6 db"/>

\* indicates required item  
\*\* applicable to DMS-100 protocol only  
\*\*\* applicable to DMS-100 protocol and DMS-250 protocol only  
\*\*\*\* may be required to force ringback from some PBXs

[Back to Find/List Gateways](#)

## Partitions Configuration

System Route Plan Service Feature Device User Application Help

**Cisco CallManager Administration**  
For Cisco IP Telephony Solutions



CISCO SYSTEMS

### Find and List Partitions [Add a New Partition](#)

2 matching record(s) for Partition Name begins with ""

Find Partitions where Partition Name    
and show  items per page  
To list all items, click Find without entering any search text.

Matching record(s) 1 to 2 of 2

<input type="checkbox"/>	Partition Name	Description
<input type="checkbox"/>	 Incoming Trunk	Incoming Trunk
<input type="checkbox"/>	 Phones	Phones


First Previous Next Last Page  of 1

## Calling Search Space Configuration

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration

For Cisco IP Telephony Solutions



### Calling Search Space Configuration

[Add New Calling Search Space](#)  
[Back to Find/List Calling Search Spaces](#)  
[Dependency Records](#)

**Calling Search Space: Incoming Trunk**  
 Status: Ready

Copy Update Delete Restart Devices

**Calling Search Space Information**

Calling Search Space Name\*

Description

**Route Partitions for this Calling Search Space**

Find Partitions containing  Find

Available Partitions

Phones

▼ ▲

Selected Partitions\*  
(ordered by highest priority)

Incoming Trunk

\* indicates required item

## Calling Search Space Configuration

[Add New Calling Search Space](#)  
[Back to Find/List Calling Search Spaces](#)  
[Dependency Records](#)

### Calling Search Space: Phones (in use)

Status: Ready

#### Calling Search Space Information

Calling Search Space Name\*

Description

#### Route Partitions for this Calling Search Space

Find Partitions containing

Available Partitions

Incoming Trunk
----------------



Selected Partitions\*  
(ordered by highest priority)

Phones
--------



\* indicates required item



## Enbloc Route Pattern Configuration

**Route Pattern/Hunt Pilot: 2XXX**

Status: Ready  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

[Copy](#) [Update](#) [Delete](#)

---

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  [\(Edit\)](#)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

---

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

---

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

---

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

---

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value=" — Not Selected —"/>	<input type="text" value=" &lt; Not Exist &gt;"/>	<input type="text"/>



## Overlap Sending Route Pattern Configuration

**Route Pattern/Hunt Pilot: 9.X**

Status: Ready  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  (Edit)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value=" — Not Selected —"/>	<input type="text" value=" &lt; Not Exist &gt;"/>	<input type="text"/>



## Route Pattern for Remote Voicemail Subscribers (Avaya Stations)

**Route Pattern/Hunt Pilot: 111.2XXX**

Status: Ready  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

[Copy](#) [Update](#) [Delete](#)

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  [\(Edit\)](#)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone  Allow Overlap Sending  Urgent Priority

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service  Service Parameter Name  Service Parameter Value



## Route Pattern for Cisco Unity Voicemail

**Route Pattern/Hunt Pilot: 499X**

Status: Ready  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  [\(Edit\)](#)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone  Allow Overlap Sending  Urgent Priority

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value="-- Not Selected --"/>	<input type="text" value="&lt; Not Exist &gt;"/>	<input type="text"/>





## Cisco Unity Voicemail HuntList

System Route Plan Service Feature Device User Application Help

**Cisco CallManager Administration**  
For Cisco IP Telephony Solutions

CISCO SYSTEMS

# Route/Hunt List Configuration

[Add a new Route/Hunt List](#)  
[Back to Find/List Route/Hunt Lists](#)  
[Dependency Records](#)

### Route/Hunt List Details

CiscoUM1

### Route/Hunt List: UnityHuntList

Status: Ready

#### Route/Hunt List Information

Route/Hunt List Name\*

Description

Cisco CallManager Group\*

Enable this Route/Hunt List (change effective on Update; no reset required)

#### Route/Hunt List Member Information

Selected Groups\*  
(ordered by highest priority)

Removed Groups  
(to be removed from Route/Hunt List when you click Update)

\* indicates required item



## Cisco Unity Voicemail Line Group

# Line Group Configuration

[Add new Line Group](#)  
[Back to Find/List Line Groups](#)  
[Dependency Records](#)

<b>Directory Numbers</b>	<b>Line Group: CiscoUM1</b>
<ul style="list-style-type: none"><li>4990</li><li>4991</li></ul>	Status: Ready
	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<b>Line Group Information</b>	
Line Group Name*	<input type="text" value="CiscoUM1"/>
RNA Reversion Timeout*	<input type="text" value="10"/>
Distribution Algorithm*	<input type="text" value="Top Down"/>
<b>Hunt Options</b>	
No Answer*	<input type="text" value="Try next member; then, try next group in Hunt List"/>
Busy**	<input type="text" value="Try next member; then, try next group in Hunt List"/>
Not Available**	<input type="text" value="Try next member; then, try next group in Hunt List"/>
<b>Line Group Member Information</b>	
<b>Find Directory Numbers to add to Line Group</b>	
Route Partition	<input type="text" value=" &lt; None &gt;"/>
Directory Numbers Contains	<input type="text"/>
	<input type="button" value="Find"/>
Available DN/Route Partition	<input type="text"/>
<small>(Do not include directory numbers of application-controlled IP phones, or application-monitored IP phones in the line group.)</small>	
	<input type="button" value="Add to Line Group"/>
<b>Current Line Group Members</b>	
	<input type="button" value="Reverse Order of Selected DNs"/>
Selected DN/Route Partition*	<input type="text" value="4990"/> <input type="text" value="4991"/>
Removed DN/Route Partition	<input type="text"/>
<small>(to be removed from Line Group when you click Update)</small>	



Cisco Unity Subscriber

**Subscribers**

- [Profile](#)
- [Account](#)
- [Phone Password](#)
- [Private Lists](#)
- [Conversation](#)
- [Call Transfer](#)
- [Greetings](#)
- [Caller Input](#)
- [Messages](#)
- [Message Notification](#)
- [Alternate Extensions](#)

Cisco **Unity** [Log off](#)

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## Sadie Avaya

**Profile**

**Subscriber Information**

First name:

Last name:

Display name:

Class of service:  [View](#)

Extension:

Fax ID:

Recorded voice:   Volume

Active schedule:  [View](#)

Time zone:

Set subscriber for self-enrollment at next login

List in phone directory

Show subscriber in e-mail server address book

**Exchange Information**

Alias:

Server:



## Translation Pattern for Incoming Calls

### Translation Pattern Configuration

[Add a New Translation Pattern](#)  
[Back to Find/List Translation Patterns](#)

**Translation Pattern: 4XXX**  
Status: Ready

#### Pattern Definition

Translation Pattern	<input type="text" value="4XXX"/>
Partition	<input type="text" value="Incoming Trunk"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value="&lt; None &gt;"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value="-- Not Selected --"/>

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

#### Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

#### Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Default"/>
Connected Name Presentation	<input type="text" value="Default"/>

#### Called Party Transformations

Discard Digits	<input type="text" value="&lt; None &gt;"/>
Called Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

\* indicates required item.



## PSTN Route Pattern Configuration

**Route Pattern/Hunt Pilot: 91650XXXXXX**

Status: Ready  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

[Copy](#) [Update](#) [Delete](#)

---

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  [\(Edit\)](#)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

---

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

---

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

---

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

---

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value=" — Not Selected —"/>	<input type="text" value=" &lt; Not Exist &gt;"/>	<input type="text"/>



## CLIR Route Pattern Configuration

**Route Pattern/Hunt Pilot: 2XXX**

Status: Update completed  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

[Copy](#) [Update](#) [Delete](#)

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  [\(Edit\)](#)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value="— Not Selected —"/>	<input type="text" value="&lt; Not Exist &gt;"/>	<input type="text"/>



## CNIR Route Pattern Configuration

**Route Pattern/Hunt Pilot: 2XXX**

Status: Update completed  
Note: Any update to this Route Pattern or Hunt Pilot automatically resets the associated gateway or Route/Hunt List

**Pattern Definition**

Route Pattern/Hunt Pilot\*

Partition

Description

Numbering Plan\*

Route Filter

MLPP Precedence

Gateway or Route/Hunt List\*  (Edit)

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone     Allow Overlap Sending     Urgent Priority

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation

Calling Name Presentation

**Connected Party Transformations**

Connected Line ID Presentation

Connected Name Presentation

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Carrier Identification Code

Network Service Protocol

Network Service	Service Parameter Name	Service Parameter Value
<input type="text" value="— Not Selected —"/>	<input type="text" value="&lt; Not Exist &gt;"/>	<input type="text"/>



## COLR Translation Pattern Configuration

# Translation Pattern Configuration

[Add a New Translation Pattern](#)  
[Back to Find/List Translation Patterns](#)

**Translation Pattern: 4XXX**

Status: Update completed

Copy

Update

Delete

### Pattern Definition

Translation Pattern	<input type="text" value="4XXX"/>
Partition	<input type="text" value="Incoming Trunk"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value="&lt; None &gt;"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value="— Not Selected —"/>
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Urgent Priority

### Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

### Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Restricted"/>
Connected Name Presentation	<input type="text" value="Default"/>

### Called Party Transformations

Discard Digits	<input type="text" value="&lt; None &gt;"/>
Called Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

\* indicates required item.





## CONR Translation Pattern Configuration

### Translation Pattern Configuration

[Add a New Translation Pattern](#)  
[Back to Find/List Translation Patterns](#)

**Translation Pattern: 4XXX**  
Status: Update completed

#### Pattern Definition

Translation Pattern	<input type="text" value="4XXX"/>
Partition	<input type="text" value="Incoming Trunk"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value="&lt; None &gt;"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value="— Not Selected —"/>

Provide Outside Dial Tone  Urgent Priority

#### Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

#### Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Default"/>
Connected Name Presentation	<input type="text" value="Restricted"/>

#### Called Party Transformations

Discard Digits	<input type="text" value="&lt; None &gt;"/>
Called Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

\* indicates required item.



## 7960 IP phone Configuration

[Add a new phone](#)  
[Add/Update Speed Dials](#)  
[Subscribe/Unsubscribe Services](#)  
[Dependency Records](#)  
[Back to Find/List Phones](#)

# Phone Configuration

**Directory Numbers**  
**Base Phone**

- 7960 Line 1 - 4000 in 7960 Phones
- 7960 Line 2 - Add new DN 7960

**Phone:** SEP000B5FD22FE8 (Auto 4000)  
**Registration:** Registered with Cisco CallManager 172.20.32.254  
**IP Address:** 172.20.32.102  
Status: Ready

### Phone Configuration (Model = Cisco 7960)

#### Device Information

MAC Address*	<input type="text" value="000B5FD22FE8"/>
Description	<input type="text" value="Auto 4000"/>
Owner User ID	<input type="text"/> <a href="#">(Select User ID)</a>
Device Pool*	<input type="text" value="Default"/> <a href="#">(View details)</a>
Calling Search Space	<input type="text" value="&lt; None &gt;"/>
AAR Calling Search Space	<input type="text" value="&lt; None &gt;"/>
Media Resource Group List	<input type="text" value="&lt; None &gt;"/>
User Hold Audio Source	<input type="text" value="&lt; None &gt;"/>
Network Hold Audio Source	<input type="text" value="&lt; None &gt;"/>
Location	<input type="text" value="&lt; None &gt;"/>
User Locale	<input type="text" value="&lt; None &gt;"/>
Network Locale	<input type="text" value="&lt; None &gt;"/>
Device Security Mode	<input type="text" value="Use System Default"/>
Built In Bridge	<input type="text" value="Default"/>
Privacy	<input type="text" value="Default"/>

#### Phone Button Template Information

Phone Button Template*	<input type="text" value="Standard 7960"/> <a href="#">(view button list)</a>
------------------------	---

#### Softkey Template Information

Softkey Template	<input type="text" value="&lt; None &gt;"/>
------------------	---

#### Expansion Module Information

Module 1	<input type="text" value="&lt; None &gt;"/>
Module 2	<input type="text" value="&lt; None &gt;"/>

Firmware Load Information (leave blank to use default)	
Phone Load Name	<input type="text"/>
Module 1 Load Name	<input type="text"/> (Module 1 selection required)
Module 2 Load Name	<input type="text"/> (Module 2 selection required)
Cisco IP Phone - External Data Locations (leave blank to use default)	
Information	<input type="text"/>
Directory	<input type="text"/>
Messages	<input type="text"/>
Services	<input type="text"/>
Authentication Server	<input type="text"/>
Proxy Server	<input type="text"/>
Idle	<input type="text"/>
Idle Timer (seconds)	<input type="text"/>
Extension Mobility (Device Profile) Information	
<input type="checkbox"/> Enable Extension Mobility Feature	
Log Out Profile	<input type="text" value="-- Not Selected --"/>
Log In User ID	< None >
Log In Time	< None >
Log Out Time	< None >
Multilevel Precedence and Preemption (MLPP) Information	
MLPP Domain	<input type="text"/> (e.g., "0000FF")
MLPP Indication	<input type="text" value="Default"/>
MLPP Preemption	<input type="text" value="Default"/>
Product Specific Configuration <span style="float: right;">i</span>	
Disable Speakerphone	<input type="checkbox"/>
Disable Speakerphone and Headset	<input type="checkbox"/>
Forwarding Delay*	<input type="text" value="Disabled"/>
PC Port*	<input type="text" value="Enabled"/>
Settings Access*	<input type="text" value="Enabled"/>
Gratuitous ARP*	<input type="text" value="Enabled"/>
PC Voice VLAN Access*	<input type="text" value="Enabled"/>



# Directory Number Configuration

[Configure Device \(SEP000B5FD22FE8\)](#)  
[Dependency Records](#)

## Associated With

SEP000B5FD22FE8  
7960 (Line 1)

## Directory Number: 4000 (Phones)

Status: Ready  
Note: Any update to this Directory Number automatically resets the associated devices

## Directory Number

Directory Number\*   
Partition

## Directory Number Settings

Voice Mail Profile   
(Choose <None> to use default)  
Calling Search Space   
AAR Group   
User Hold Audio Source   
Network Hold Audio Source   
Auto Answer

## Call Forward and Pickup Settings

	Voice Mail Destination	Calling Search Space
Forward All <input type="checkbox"/>	<input type="text"/>	<input type="text" value=" &lt; None &gt;"/>
Forward Busy <input type="checkbox"/>	<input type="text"/>	<input type="text" value=" &lt; None &gt;"/>
Forward No Answer <input type="checkbox"/>	<input type="text"/>	<input type="text" value=" &lt; None &gt;"/>
No Answer Ring Duration <input type="text"/>	(seconds)	
Call Pickup Group <input type="text"/>	<input type="text" value=" &lt; None &gt;"/>	

## MLPP Alternate Party Settings

Target (Destination)   
Calling Search Space   
No Answer Ring Duration  (seconds)

## Line Settings for this Device

Display (Internal Caller ID)   
Line Text Label   
External Phone Number Mask

Message Waiting Lamp Policy	<input type="text" value="Use System Policy"/>
Ring Setting (Phone Idle)	<input type="text" value="Use System Default"/>
Ring Setting (Phone Active)**	<input type="text" value="Use System Default"/>
<b>Multiple Call / Call Waiting Settings</b>	
Maximum Number of Calls*	<input type="text" value="4"/> (1 - 200)
Busy Trigger*	<input type="text" value="2"/> (<= Max. Calls)
<b>Forwarded Call Information Display</b>	
<input checked="" type="checkbox"/> Caller Name	<input checked="" type="checkbox"/> Caller Number
<input checked="" type="checkbox"/> Redirected Number	<input checked="" type="checkbox"/> Dialed Number
<p>* indicates required item; changes to Line or Directory Number settings require restart. ** Ring Setting (Phone Active) applies to this line when any line on the phone has a call in progress.</p>	
<p><b>Note:</b> If you are using a language other than English for Display (Internal Caller ID) or Line Text Label text, make sure the correct character set (shown below) is selected. Text displays incorrectly if the wrong characterset is selected. (English characters are included in all character sets.)</p>	
Character Set	<input type="text" value="Western European (Latin 1)"/>



## Acronyms

<b>Acronym</b>	<b>Definitions</b>
CFB	Call Forwarding Busy
CFNR	Call Forwarding No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line (Number) Identification Presentation
CLIR	Calling Line (Number) Identification Restriction
CNIP	Calling Name Identification Presentation
CNIR	Calling Name Identification Restriction
COLP	Connected Line (Number) Identification Presentation
COLR	Connected Line (Number) Identification Restriction
CONP	Connected Name Identification Presentation
CONR	Connected Name Identification Restriction
CT	Call Transfer
CUCM	Cisco Unified CallManager
MWI	Message Waiting Indicator
PSTN	Public Switched Telephone Network



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