



# Cisco Unified CallManager Release 5.0-PBX Interoperability: Avaya Definity G3 MV1.3 to a Cisco Catalyst 6000 using CMM- E1 QSIG with MGCP

Updated August 23, 2006

Note: This document is for E1 QSIG applications.

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## Introduction

This is an application note for connectivity of Avaya Definity G3 MV1.3 PBX with Cisco Unified CallManager Release 5.0 using Cisco Communication Media Module CMM-E1 QSIG as MGCP gateway.

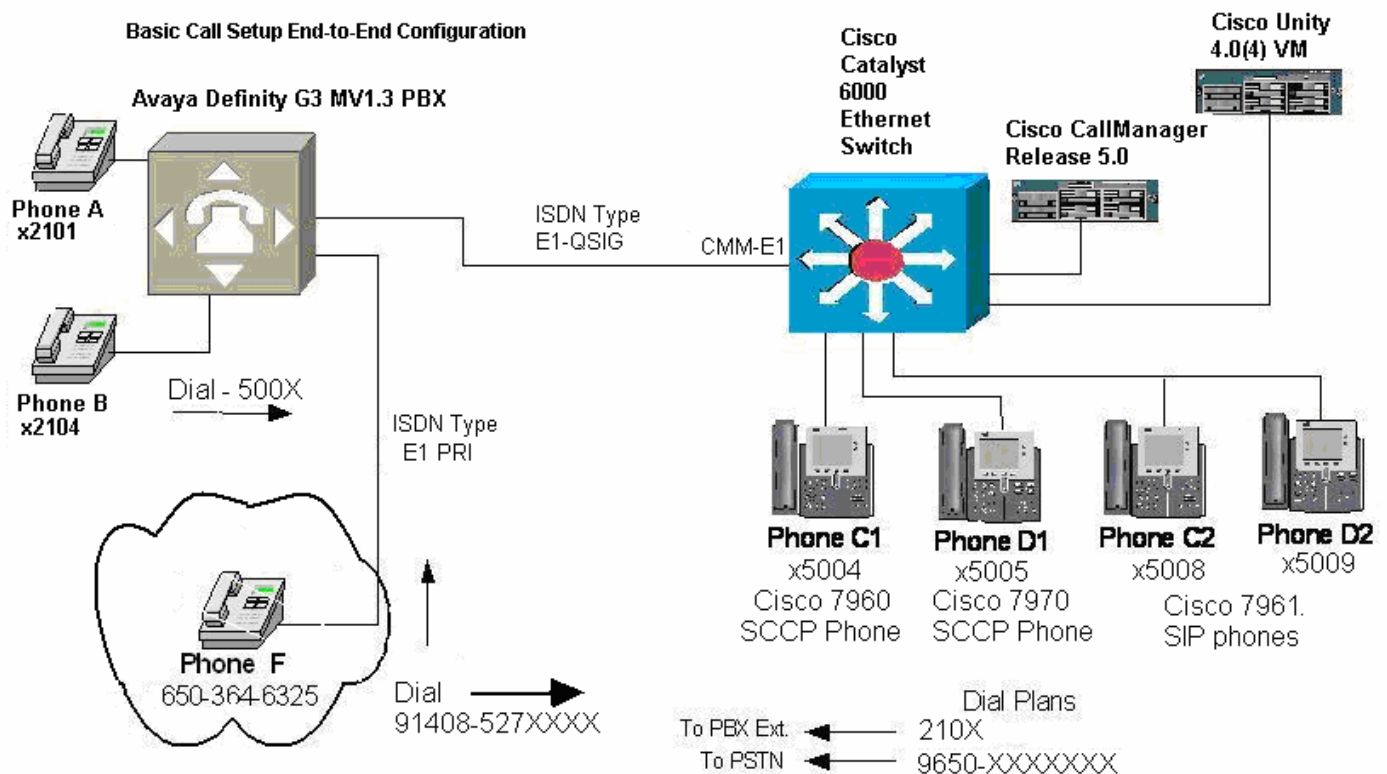
The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with the Cisco Unified CallManager connected to the PBX via Cisco Communication Media Module (CMM)-E1 QSIG link as MGCP gateway.

Connectivity is achieved by using the PRI QSIG E1 protocol type on the MGCP gateway and ISO QSIG switch type on the of Avaya Definity G3 MV1.3 PBX.

This Application Note uses the Cisco CMM-E1 voice gateway; however, other Cisco voice gateways are also an option to use since Cisco Unified CallManager QSIG implementation does not depend on the physical interface.

## Network Topology

Figure 1. Network Topology or Test Setup





## Limitations

### Call Forward by Join External

As of this round of testing, Avaya Definity G3 MV1.3 PBX does not do External Call Forward By Join (Unconditional, Busy or No Reply) since it automatically performs Call Diversion by Reroute to complete the call. Thus, Call diversion by Reroute happens instead of External Call Forward By Join when a phone on the Avaya Definity G3 MV1.3 PBX is the forwarding station and Cisco Unified CallManager phones are the originating and final destination phones respectively

As of publication of this Application Note, Rerouting cannot be turned off on the Avaya Definity G3 MV1.3 PBX

## System Components

### Hardware Requirements

Cisco Catalyst 6000 switch with CMM-E1 Gateway

Cisco Unified CallManager Server

Avaya Definity G3 MV1.3 PBX

### Software Requirements

Avaya MV1.3

Cisco Unified CallManager 5.0

## 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

Sending Alerting Name

CT-Call Transfer

CFU-Call Forwarding Unconditional (by join) – see Limitations Section

CFB-Call Forwarding Busy (by join) – see Limitations Section

CFNR-Call Forwarding No Reply (by join) – see Limitations Section

CFU-Call Forwarding Unconditional (by Reroute)

CFB-Call Forwarding Busy (by Reroute)

CFNR-Call Forwarding No Reply (by Reroute)

CCBS-Call Completion to Busy Subscriber



CCNR-Call Completion No Reply

ANF-PR-Additional Network Feature Path Replacement (for Call Transfer by join)

ANF-PR-Additional Network Feature Path Replacement (for Call Diversion by forward switching)

ANF-PR-Additional Network Feature Path Replacement (for Trombone connection)

MWI- Message Waiting Indication (lamp ON, lamp OFF)

## **Configuration**

### **Configuration Sequence and Tasks**

#### **Configuring the Avaya Definity G3 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.



## Configuration Menus and Commands

### Avaya Configuration

#### DS1 Circuit Pack

`display ds1 1a12`

```
DS1 CIRCUIT PACK

Location: 01A12                      Name: to CM-Polaris
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? y
Idle Code: 11111111                  Channel Numbering: sequential
DCP/Analog Bearer Capability: 3.1kHz

Slip Detection? n                     Near-end CSU Type: other
```

### Signaling Group

`display signaling-group 12`

```
SIGNALING GROUP

Group Number: 12                      Group Type: isdn-pri
Associated Signaling? y                Max number of NCA TSC: 15
Primary D-Channel: 01A1224            Max number of CA TSC: 15
Trunk Group for Channel Selection: 12  Trunk Group for NCA TSC: 12
Supplementary Service Protocol: b      X-Mobility/Wireless Type: NONE
```



### Trunk Group (1 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 12 Page 1 of 10

TRUNK GROUP

Group Number: 12 Group Type: isdn CDR Reports: y  
Group Name: QSIG to CM-POLARIS COR: 1 TN: 1 TAC: 612  
Direction: two-way Outgoing Display? n 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: none  
Supplementary Service Protocol: b Digit Handling (in/out): enbloc/enbloc  
Trunk Hunt: ascend QSIG Value-Added? y  
Digital Loss Group: 13  
Calling Number - Delete: Insert: Numbering Format: unk-unk  
Bit Rate: 1200 Synchronization: async Duplex: full  
Disconnect Supervision - In? y Out? y  
Answer Supervision Timeout: 0

### Trunk Group (2 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

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cancel refresh enter clear help go to page next page prev page

display trunk-group 12 Page 2 of 10

TRUNK FEATURES

ACA Assignment? n Measured: none Wideband Support? n  
Internal Alert? n Maintenance Tests? y  
Data Restriction? n NCA-TSC Trunk Member: 1  
Send Name: y Send Calling Number: y  
Used for DCS? n Hop Dgt? y  
Suppress # Outpulsing? n Numbering Format: unknown  
Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider  
Replace Restricted Numbers? y  
Replace Unavailable Numbers? y  
Send Called/Busy/Connected Number: y  
Send UUI IE? y  
Send UCID? y  
Send Codeset 6/7 LAI IE? y Ds1 Echo Cancellation? n  
Path Replacement with Retention? y  
SBS? n Network (Japan) Needs Connect Before Disconnect? n



### Trunk Group (3 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

FileEditViewSystemActionToolsWindowHelp

cancelrefreshenterclear

helpgo to pagenext pageprev page

display trunk-group 12

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TRUNK GROUP

Administered Members (min/max): 1/12

Total Administered Members: 12

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:  | 01A1226 | TN464 | F   |      |       | 12  |     |
| 8:  | 01A1227 | TN464 | F   |      |       | 12  |     |
| 9:  | 01A1228 | TN464 | F   |      |       | 12  |     |
| 10: | 01A1229 | TN464 | F   |      |       | 12  |     |
| 11: | 01A1230 | TN464 | F   |      |       | 12  |     |
| 12: | 01A1231 | TN464 | F   |      |       | 12  |     |
| 13: |         |       |     |      |       |     |     |
| 14: |         |       |     |      |       |     |     |
| 15: |         |       |     |      |       |     |     |

### Uniform Dialing Plan

|                            |     |     |        |     |      |      |          |     |     |                 |       |
|----------------------------|-----|-----|--------|-----|------|------|----------|-----|-----|-----------------|-------|
| display uniform-dialplan 5 |     |     |        |     |      |      |          |     |     | Page 1 of 2     |       |
| UNIFORM DIAL PLAN TABLE    |     |     |        |     |      |      |          |     |     | Percent Full: 0 |       |
| Matching                   | Len | Del | Insert | Net | Conv | Node | Matching | Len | Del | Insert          | Node  |
| Pattern                    |     |     | Digits |     |      | Num  | Pattern  |     |     | Digits          | Num   |
| 5003                       | 4   | 0   | 512    | aar | n    |      | 5110     | 4   | 0   | 530             | aar n |
| 5004                       | 4   | 0   | 512    | aar | n    |      | 53       | 4   | 0   | 530             | aar n |
| 5005                       | 4   | 0   | 512    | aar | n    |      | 54       | 4   | 0   | 999             | aar n |
| 5006                       | 4   | 0   | 512    | aar | n    |      | 5555     | 4   | 0   | 512             | aar n |
| 5007                       | 4   | 0   | 512    | aar | n    |      | 7        | 4   | 0   | 777             | aar n |
| 5008                       | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 5009                       | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 5017                       | 4   | 0   | 530    | aar | n    |      |          |     |     |                 | n     |
| 5020                       | 4   | 0   | 530    | aar | n    |      |          |     |     |                 | n     |
| 5050                       | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 509                        | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 5100                       | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 5102                       | 4   | 0   | 510    | aar | n    |      |          |     |     |                 | n     |
| 5103                       | 4   | 0   | 510    | aar | n    |      |          |     |     |                 | n     |
| 5105                       | 4   | 0   | 512    | aar | n    |      |          |     |     |                 | n     |
| 5109                       | 4   | 0   | 530    | aar | n    |      |          |     |     |                 | n     |



## AAR Digit Analysis Table

display aar analysis 512

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| AAR DIGIT ANALYSIS TABLE |               |           |           |               |           |          |          |
|--------------------------|---------------|-----------|-----------|---------------|-----------|----------|----------|
| Percent Full:            |               |           |           |               |           |          | 3        |
|                          | Dialed String | Total Min | Total Max | Route Pattern | Call Type | Node Num | ANI Reqd |
| 512                      |               | 7         | 7         | 12            | aar       | 3        | n        |
| 515                      |               | 7         | 7         | 15            | aar       |          | n        |
| 530                      |               | 7         | 7         | 13            | aar       | 4        | n        |
| 531                      |               | 7         | 7         | 13            | aar       | 6        | n        |
| 555                      |               | 7         | 7         | 105           | aar       |          | n        |
| 611                      |               | 7         | 7         | 13            | aar       |          | n        |
| 613                      |               | 7         | 7         | 13            | aar       |          | n        |
| 614                      |               | 7         | 7         | 14            | aar       | 2        | n        |
| 777                      |               | 7         | 7         | 13            | aar       |          | n        |
| 888                      |               | 7         | 7         | 15            | aar       |          | n        |
| 998                      |               | 7         | 7         | 11            | aar       |          | n        |
| 999                      |               | 7         | 7         | 98            | aar       |          | n        |
|                          |               |           |           |               |           |          | n        |
|                          |               |           |           |               |           |          | n        |
|                          |               |           |           |               |           |          | n        |

## Route Pattern

display route-pattern 12

| Pattern Number: 12    Pattern Name: |       |     |         |         |           |                 |               |          |                  |                |      |  |
|-------------------------------------|-------|-----|---------|---------|-----------|-----------------|---------------|----------|------------------|----------------|------|--|
| Grp No                              | FRL   | NPA | Pfx Mrk | Hop Lmt | Toll List | No. Del         | Inserted Dgts |          |                  | DCS/ QSIG Intw | IXC  |  |
| 1:                                  | 12    | 0   |         |         |           |                 | 3             |          |                  | n              | user |  |
| 2:                                  |       |     |         |         |           |                 |               |          |                  | n              | user |  |
| 3:                                  |       |     |         |         |           |                 |               |          |                  | n              | user |  |
| 4:                                  |       |     |         |         |           |                 |               |          |                  | n              | user |  |
| 5:                                  |       |     |         |         |           |                 |               |          |                  | n              | user |  |
| 6:                                  |       |     |         |         |           |                 |               |          |                  | n              | user |  |
|                                     |       |     |         |         |           |                 |               |          |                  |                |      |  |
| BCC                                 | VALUE | TSC | CA-TSC  | ITC     | BCIE      | Service/Feature | BAND          | No. Dgts | Numbering Format | LAR            |      |  |
| 0                                   | 1     | 2   | 3       | 4       | W         | Request         |               |          |                  |                |      |  |
| 1:                                  | y     | y   | y       | y       | n         | y               | as-needed     | rest     |                  |                |      |  |
| 2:                                  | y     | y   | y       | y       | n         | n               |               | rest     |                  |                |      |  |
| 3:                                  | y     | y   | y       | y       | n         | n               |               | rest     |                  |                |      |  |
| 4:                                  | y     | y   | y       | y       | n         | n               |               | rest     |                  |                |      |  |
| 5:                                  | y     | y   | y       | y       | n         | n               |               | rest     |                  |                |      |  |
| 6:                                  | y     | y   | y       | y       | n         | n               |               | rest     |                  |                |      |  |



## System Parameters Customer Options

display system-parameters customer-options

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### QSIG OPTIONAL FEATURES

```
Basic Call Setup? y
Basic Supplementary Services? y
Centralized Attendant? y
Interworking with DCS? y
Supplementary Services with Rerouting? y
Transfer into QSIG Voice Mail? y
Value-Added (VALU)? y
```

(NOTE: You must logoff & login to effect the permission changes.)

## Feature Related System Parameters

display system-parameters features

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### FEATURE-RELATED SYSTEM PARAMETERS

#### ISDN PARAMETERS

```
Send Non-ISDN Trunk Group Name as Connected Name? n
Display Connected Name/Number for ISDN DCS Calls? n
Send ISDN Trunk Group Name on Tandem Calls? n
```

```
QSIG TSC Extension: 2099
MWI - Number of Digits Per Voice Mail Subscriber: 4
Feature Plus Ext: 2098
National CPN Prefix:
International CPN Prefix:
Pass Prefixed CPN to ASAI? n
Unknown Numbers Considered Internal for AUDIX? y      Maximum Length: 4
USNI Calling Name for Outgoing Calls? y
Path Replacement with Measurements? y
QSIG Path Replacement Extension: 2097
Path Replace While in Queue/Vectoring? y
```



## Dial Plan Parameters

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display dialplan parameters
DIAL PLAN PARAMETERS
Local Node Number: 1
ETA Node Number:
ETA Routing Pattern:
UDP Extension Search Order: local-extensions-first
6-Digit Extension Display Format: xx.xx.xx
7-Digit Extension Display Format: xxx-xxxx
```

## ISDN Private Numbering

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display isdn private-numbering
ISDN NUMBERING - PRIVATE FORMAT
Network Level: 0 PBX Identifier: 408
Level 2 Code: Deleted Digits: 0
Level 1 Code:
```



### Feature Access Code (1 of 3)

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 1 of 7
FEATURE ACCESS CODE (FAC)
Abbreviated Dialing List1 Access Code:
Abbreviated Dialing List2 Access Code:
Abbreviated Dialing List3 Access Code:
Abbreviated Dial - Prgm Group List Access Code:
Announcement Access Code:
Answer Back Access Code:
Auto Alternate Routing (AAR) Access Code: 8
Auto Route Selection (ARS) - Access Code 1: 9 Access Code 2:
Automatic Callback Activation: Deactivation:
Call Forwarding Activation Busy/DA: *66 All: *67 Deactivation: *69
Call Park Access Code:
Call Pickup Access Code:
CAS Remote Hold/Answer Hold-Unhold Access Code:
CDR Account Code Access Code:
Change COR Access Code:
Change Coverage Access Code:
Data Origination Access Code:
Data Privacy Access Code:
```

### Feature Access Code (2 of 3)

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 2 of 7
FEATURE ACCESS CODE (FAC)
Emergency Access to Attendant Access Code:
Enhanced EC500 Activation: Deactivation:
Extended Call Fwd Activate Busy D/A All: Deactivation:
Extended Group Call Pickup Access Code:
Facility Test Calls Access Code:
Flash Access Code:
Group Control Restrict Activation: Deactivation:
Hunt Group Busy Activation: Deactivation:
ISDN Access Code:
Last Number Dialed Access Code:
Leave Word Calling Message Retrieval Lock:
Leave Word Calling Message Retrieval Unlock:
Leave Word Calling Send A Message: *77
Leave Word Calling Cancel A Message: *78
Malicious Call Trace Activation: Deactivation:
Meet-me Conference Access Code Change:
PASTE (Display PBX data on Phone) Access Code:
Personal Station Access (PSA) Associate Code: Dissociate Code:
```



### Feature Access Code (3 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display feature-access-codes Page 4 of 7

FEATURE ACCESS CODE (FAC)

Whisper Page Activation Access Code: \*65

### Station configuration (1 of 2)

display station 2101 Page 1 of 4

STATION

|                  |                  |        |
|------------------|------------------|--------|
| Extension: 2101  | Lock Messages? n | BCC: 0 |
| Type: 6408D+     | Security Code:   | TN: 1  |
| Port: 01A0407    | Coverage Path 1: | COR: 1 |
| Name: John Adams | Coverage Path 2: | COS: 1 |
|                  | Hunt-to Station: |        |

STATION OPTIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Loss Group: 2             | Personalized Ringing Pattern: 1 |
| Data Module? n            | Message Lamp Ext: 2101          |
| Speakerphone: 2-way       | Mute Button Enabled? y          |
| Display Language: english |                                 |
|                           | Media Complex Ext:              |
|                           | IP SoftPhone? n                 |
|                           | Remote Office Phone? n          |



## Station Configuration (2 of 2)

display station 2101

Page 2 of 4

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

Emergency Location Ext: 2101
```

## PSTN DS1 Circuit Pack 1

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display ds1 1a15
DS1 CIRCUIT PACK
    Location: 01A15              Name:
    Bit Rate: 2.048             Line Coding: hdb3
    Signaling Mode: isdn-pri
    Connect: pbx                Interface: network
    TN-C7 Long Timers? n        Country Protocol: 1
    Interworking Message: PROGress  Protocol Version: a
    Interface Companding: alaw    CRC? n
    Idle Code: 11111111
    DCP/Analog Bearer Capability: 3.1kHz
    Slip Detection? n           Near-end CSU Type: other
```



## PSTN Signaling Group

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display signaling-group 15 Page 1 of 5

SIGNALING GROUP

Group Number: 15 Group Type: isdn-pri  
Associated Signaling? y Max number of NCA TSC: 10  
Primary D-Channel: 01A1516 Max number of CA TSC: 10  
Trunk Group for NCA TSC: 15  
Trunk Group for Channel Selection: 15 X-Mobility/Wireless Type: NONE  
Supplementary Service Protocol: a

## PSTN Trunk Group (1 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 15 Page 1 of 10

TRUNK GROUP

Group Number: 15 Group Type: isdn CDR Reports: y  
Group Name: Deepa test QSIG trunk COR: 1 TN: 1 TAC: 615  
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: 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? y



### PSTN Trunk Group (2 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

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display trunk-group 15 Page 2 of 10

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: n Send Calling Number: y

Used for DCS? n  
Suppress # Outpulsing? n Numbering Format: public  
Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider

Replace Restricted Numbers? n  
Replace Unavailable Numbers? n  
Send Connected Number: y

Send UUI IE? y  
Send UCID? n  
Send Codeset 6/7 LAI IE? y Ds1 Echo Cancellation? n

US NI Delayed Calling Name Update? n

SBS? n Network (Japan) Needs Connect Before Disconnect? n

### PSTN Trunk Group (3 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 15 Page 4 of 10

TRUNK GROUP

Administered Members (min/max): 1/9  
Total Administered Members: 9

GROUP MEMBER ASSIGNMENTS

| Port | Code    | Sfx   | Name | Night | Sig | Grp |
|------|---------|-------|------|-------|-----|-----|
| 1:   | 01A1501 | TN464 | F    |       | 15  |     |
| 2:   | 01A1502 | TN464 | F    |       | 15  |     |
| 3:   | 01A1503 | TN464 | F    |       | 15  |     |
| 4:   | 01A1504 | TN464 | F    |       | 15  |     |
| 5:   | 01A1505 | TN464 | F    |       | 15  |     |
| 6:   | 01A1528 | TN464 | F    |       | 15  |     |
| 7:   | 01A1529 | TN464 | F    |       | 15  |     |
| 8:   | 01A1530 | TN464 | F    |       | 15  |     |
| 9:   | 01A1531 | TN464 | F    |       | 15  |     |
| 10:  |         |       |      |       |     |     |
| 11:  |         |       |      |       |     |     |
| 12:  |         |       |      |       |     |     |
| 13:  |         |       |      |       |     |     |
| 14:  |         |       |      |       |     |     |
| 15:  |         |       |      |       |     |     |



## PSTN ARS Analysis

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancelrefreshenterclearhelpgo to pagenext pageprev page

display ars analysis 650

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ARS DIGIT ANALYSIS TABLE

Location: allPercent Full: 3

| Dialled String | Total |     | Route Pattern | Call Type | Node Num | ANI Req'd |
|----------------|-------|-----|---------------|-----------|----------|-----------|
|                | Min   | Max |               |           |          |           |
| 650            | 10    | 10  | 15            | natl      |          | n         |
| 9              | 28    | 28  | 11            | natl      |          | n         |
|                |       |     |               |           |          | n         |
|                |       |     |               |           |          | n         |
|                |       |     |               |           |          | n         |
|                |       |     |               |           |          | n         |
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## Cisco Unified CallManager Configuration

### Gateway Configuration - 1

Find and List Gateway - Microsoft Internet Explorer

Address: <https://172.20.236.50/ccmadmin/gatewayFindList.do?lookup=false&multiple=true&recCnt=11&colCnt=17>

Navigation: Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

#### Find and List Gateway

Status  
1 records found

Search Options  
Find Gateways where Name begins with CMM Hide endpoints Find Search Within Results  
(device.name begins with CMM)

Search Results

|                          | Device Name | Description                      | Device Pool | Calling Search Space | Ext. | Partition | Route Group | Priority | Port | Device Type                | Status                        | IP Address |
|--------------------------|-------------|----------------------------------|-------------|----------------------|------|-----------|-------------|----------|------|----------------------------|-------------------------------|------------|
| <input type="checkbox"/> | CMM-POLARIS | CMM in cat 6500 slot 4 - bench 8 |             |                      |      |           |             |          |      | Communication Media Module | <a href="#">See Endpoints</a> |            |

Add New Select All Clear All Delete Selected Reset Selected Rows per Page 50

Done Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT CCM\_Polaris\_5.02\_PSTN... CCM\_5.02 Testing Find and List Gateway... 2:09 PM



## Gateway Configuration - 2

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccadmin/gatewayEdit.do?key=3d2929a9-24c6-ca1a-4fb5-90ac08ae8925>

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Gateway Configuration

Contents  
This Page  
About

Links: Back To Find/List Go

Status  
Status: Ready

Gateway Details

Product: Communication Media Module  
Gateway: CMM-POLARIS  
Protocol: MGCP  
Domain Name \*: CMM-POLARIS  
Description: CMM in cat 6500 slot 4 - bench 8  
Cisco Unified CallManager Group\*: Default

Configured Slots, VICs and Endpoints

Module in Slot 1: WS-X6600  
Subunit 0: WS-X6600-6T1 1/0 1/1 1/2 1/3 1/4 1/5  
Module in Slot 2: WS-X6600  
Subunit 0: WS-X6600-6E1 2/0 2/1 2/2 2/3 2/4 2/5  
Module in Slot 3: < None >  
Module in Slot 4: < None >

Product Specific Configuration

Global ISDN Switch Type: 4ESS  
Switchback Timing \*: Graceful  
Switchback uptime-delay (min): 10  
Switchback schedule (hh:mm): 12:00  
Fax mode \*: Fax Relay

Save Delete Reset Add New

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Gateway Configurati... 2:10 PM



### Gateway Configuration - 3

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccadmin/gatewayEdit.do?key=5768bfe4-043f-33e3-97ed-09d1d2a874b4>

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Gateway Configuration Related Links: Back to MGCP Configuration Go

Status

Status: Ready

Device Information

Product Cisco MGCP E1 Port

Gateway CMM-POLARIS

Device Protocol Digital Access PRI

Registration Registered with Cisco Unified CallManager 172.20.236.50

IP Address 172.20.236.170

End-Point Name \* S2/DS1-0@CMM-POLARIS

Description Avaya MV1.1 - Trunk Group 12

Device Pool\* Default

Call Classification\* OnNet

NetworkLocale United States

Media Resource Group List MRGL\_Polaris

Location\* Hub\_None

AAR Group < None >

Load Information

☐ Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain < None >

MLPP Indication Not available on this device

MLPP Preemption Not available on this device

Interface Information

PRI Protocol Type\* PRI ISO QSIG E1

Protocol Side\* User

Channel Selection Order\* Top Down

Channel IF Type\*

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Gateway Configurati... Local intranet 2:11 PM



## Gateway Configuration - 4

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccmadmin/gatewayEdit.do?key=5768bfe4-043f-33e3-97ed-09d1d2a874b4>

**Interface Information**

PRI Protocol Type\* PRI ISO QSIG E1

Protocol Side\* User

Channel Selection Order\* Top Down

Channel IE Type\* Use Number when 1B

PCM Type\* A-law

Delay for first restart (1/8 sec ticks)\* 32

Delay between restarts (1/8 sec ticks)\* 4

☒ Inhibit restarts at PRI initialization

☐ Enable status poll

☐ Unattended Port

**Call Routing Information - Inbound Calls**

Significant Digits\* All

Calling Search Space tp\_phones\_rp

AAR Calling Search Space tp\_phones\_rp

Prefix DN

**Call Routing Information - Outbound Calls**

Calling Party Presentation\* Default

Calling Party Selection\* Originator

Called party IE number type unknown\* Cisco CallManager

Calling party IE number type unknown\* Cisco CallManager

Called Numbering Plan\* Cisco CallManager

Calling Numbering Plan\* Cisco CallManager

Number of digits to strip\* 0

Caller ID DN

SMDI Base Port\* 0

**PRI Protocol Type Specific Information**

☐ Display IE Delivery

☒ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE\*\*\*

Done

Start | Tera Term - [disconnect...] | Tera Term: Log | Tera Term - COM1 VT | Document - WordPad | CCM\_5.02 Testing | Gateway Configurati... | Local intranet | 2:12 PM



## Gateway Configuration - 5

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccmadmin/gatewayEdit.do?key=5768bfe4-043f-33e3-97ed-09d1d2a874b4>

**PRI Protocol Type Specific Information**

☐ Display IE Delivery

☒ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE \*\*\*

☐ Setup non-ISDN Progress Indicator IE Enable\*\*\*\*

☐ MCDN Channel Number Extension Bit Set to Zero\*\*

☐ Send Calling Name In Facility IE

☐ Interface Identifier Present\*\*

Interface Identifier Value\*\*

Connected Line ID Presentation (QSIG Inbound Call)\*

**UUIE Configuration**

☐ Passing Precedence Level Through UUIE

Security Access Level\*

**Product Specific Configuration**

Line Coding \*

Framing \*

Clock \*

Input Gain (-6..14 db) \*

Output Attenuation (-6..14 db) \*

Echo Cancellation Enable \*

Echo Cancel Coverage (ms) \*

Save Delete Reset

**Legend:**

- \*- indicates required item.
- \*\* - applies to DMS-100 protocol only.
- \*\*\* - applies to DMS-100 protocol and DMS-250 protocol only.
- \*\*\*\* - may be required to force ringback from some PBXs.
- \*\*\*\*\* - Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Done

Start | Tera Term - [disconnect...] | Tera Term: Log | Tera Term - COM1 VT | Document - WordPad | CCM\_5.02 Testing | Gateway Configurati... | 2:12 PM



## Gateway Configuration - 6

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccmadmin/gatewayEdit.do?key=46de6455-33e8-d10d-a0a3-405f6342b38a>

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Gateway Configuration Related Links: Back to MGCP Configuration Go

Status  
Status: Ready

Device Information

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Product                   | Cisco MGCP E1 Port                                      |
| Gateway                   | CMM-POLARIS                                             |
| Device Protocol           | Digital Access PRI                                      |
| Registration              | Registered with Cisco Unified CallManager 172.20.236.50 |
| IP Address                | 172.20.236.170                                          |
| End-Point Name *          | S2/DS1-4@CMM-POLARIS                                    |
| Description               | to Avaya V7 - trunk group 11                            |
| Device Pool*              | Default                                                 |
| Call Classification*      | OnNet                                                   |
| NetworkLocale             | United States                                           |
| Media Resource Group List | MRGL_Polaris                                            |
| Location*                 | Hub_None                                                |
| AAR Group                 | < None >                                                |
| Load Information          |                                                         |

☐ Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information

|                 |                              |
|-----------------|------------------------------|
| MLPP Domain     | < None >                     |
| MLPP Indication | Not available on this device |
| MLPP Preemption | Not available on this device |

Interface Information

|                          |                 |
|--------------------------|-----------------|
| PRI Protocol Type*       | PRI ISO QSIG E1 |
| Protocol Side*           | User            |
| Channel Selection Order* | Top Down        |
| Channel IF Type*         |                 |

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Gateway Configurati... Local intranet 2:13 PM



## Gateway Configuration - 7

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccmadmin/gatewayEdit.do?key=46de6455-33e8-d10d-a0a3-405f6342b38a> Links Go

**Interface Information**

PRI Protocol Type\* PRI ISO QSIG E1

Protocol Side\* User

Channel Selection Order\* Top Down

Channel IE Type\* Use Number when 1B

PCM Type\* A-law

Delay for first restart (1/8 sec ticks)\* 32

Delay between restarts (1/8 sec ticks)\* 4

☒ Inhibit restarts at PRI initialization

☐ Enable status poll

☐ Unattended Port

**Call Routing Information - Inbound Calls**

Significant Digits\* All

Calling Search Space tp\_phones\_rp

AAR Calling Search Space tp\_phones\_rp

Prefix DN

**Call Routing Information - Outbound Calls**

Calling Party Presentation\* Default

Calling Party Selection\* Originator

Called party IE number type unknown\* Cisco CallManager

Calling party IE number type unknown\* Cisco CallManager

Called Numbering Plan\* Cisco CallManager

Calling Numbering Plan\* Cisco CallManager

Number of digits to strip\* 0

Caller ID DN

SMDI Base Port\* 0

**PRI Protocol Type Specific Information**

☐ Display IE Delivery

☒ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE\*\*\*

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Gateway Configurati... 2:13 PM



## Phone Configuration – 1

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Phone Configuration

Related Links: [Back To Find/List](#) Go

Status: Ready

**Association Information**

Modify Button Items

- Line [1] - 5004 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURF
- Add a new BLF SD
- Privacy
- None

**Phone Type**

Product Type: Cisco 7960

Device Protocol: SCCP

**Device Information**

Registration: Registered with Cisco Unified CallManager 172.20.236.50

IP Address: 172.20.236.8

MAC Address\*: 000BBEAD4C1C

Description: Lab test phone (5004)

Device Pool\*: Default

Phone Button Template\*: Standard 7960 SCCP

Softkey Template: Qsig Custom

Common Phone Profile\*: Standard Common Phone Profile

Calling Search Space: rp\_phones

AAR Calling Search Space: rp\_phones

Media Resource Group List: MRGL\_Polaris

User Hold Audio Source: 1-SampleAudioSource

Network Hold Audio Source: 1-SampleAudioSource

Location\*: Hub\_None

User Locale: English United States

Network Locale: United States

Built In Bridge\*: Default

Privacy\*: Default

Owner User ID: < None >

Phone Load Name:

☒ Retry Video Call as Audio

☐ Ignore Presentation Indicators (internal calls only)

☒ Allow Control of Device from CTI

**Protocol Specific Information**

Done

Start Tera Term - COM1 VT Tera Term - COM2 VT CCM\_S.02 Testing Phone Configuration - ... Local intranet 11:26 AM



## Phone Configuration - 2

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

☒ Retry Video Call as Audio  
☐ Ignore Presentation Indicators (internal calls only)  
☒ Allow Control of Device from CTI

**Protocol Specific Information**

Packet Capture Mode\*   
Packet Capture Duration   
Presence Group\*   
SCCP Phone Security Profile\*   
SUBSCRIBE Calling Search Space   
☐ Unattended Port  
☐ Require DTMF Reception  
☐ RFC2833 Disabled

**Expansion Module Information**

Module 1   
Module 1 Load Name   
Module 2   
Module 2 Load Name

**External Data Locations Information (Leave blank to use default)**

Information   
Directory   
Messages   
Services   
Authentication Server   
Proxy Server   
Idle   
Idle Timer (seconds)

**Extension Information**

☐ Enable Extension Mobility  
Log Out Profile   
Login in User ID   
Log in Time

Start | Tera Term - COM1 VT | Tera Term - COM2 VT | CCM\_5.02 Testing | Phone Configuration - ... | CCM5.02\_Polaris\_PhoneC... | Local intranet | 11:26 AM



### Phone Configuration - 3

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

**Extension Information**

☐ Enable Extension Mobility

Log Out Profile: -- Not Selected --

Login in User ID: < None >

Log in Time: < None >

Log out Time: < None >

**Certification Authority Proxy Function (CAPF) Information**

Certificate Operation\*: No Pending Operation

Authentication String:

Operation Completes By: 2006 : 8 : 5 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

**MLPP Information**

MLPP Domain: < None >

MLPP Indication\*: Default

MLPP Preemption\*: Default

**Secure Shell Information**

Secure Shell User:

Secure Shell Password:

**Product Specific Configuration Layout**

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \*: Enabled

Settings Access\*: Enabled

Gratuitous ARP\*: Enabled

PC Voice VLAN Access\*: Enabled

Video Capabilities\*: Disabled

Auto Line Select\*: Disabled

Web Access\*: Enabled

Save Delete Copy Reset Add New

Start | Tera Term - COM1 VT | Tera Term - COM2 VT | CCM\_5.02 Testing | Phone Configuration - ... | CCM5.02\_Polaris\_PhoneC... | Local intranet | 11:27 AM



## Phone Configuration - 4

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Phone Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

**Association Information**  
Modify Button Items

- Line [1] - 5008 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURF
- Add a new BLF SD
- Privacy
- None

**Phone Type**  
Product Type: Cisco 7961  
Device Protocol: SIP

**Device Information**

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Registration              | Registered with Cisco Unified CallManager 172.20.236.50 |
| IP Address                | 172.20.236.28                                           |
| MAC Address*              | 00170EEE32C6                                            |
| Description               | SIP test phone - 5008                                   |
| Device Pool*              | Default                                                 |
| Phone Button Template*    | Standard 7961 SIP                                       |
| Softkey Template          | Qsig Custom                                             |
| Common Phone Profile*     | Standard Common Phone Profile                           |
| Calling Search Space      | tp_phones_rp                                            |
| AAR Calling Search Space  | tp_phones_rp                                            |
| Media Resource Group List | MRGL_Polaris                                            |
| User Hold Audio Source    | 1-SampleAudioSource                                     |
| Network Hold Audio Source | 1-SampleAudioSource                                     |
| Location*                 | Hub_None                                                |
| User Locale               | English United States                                   |
| Network Locale            | United States                                           |
| Built In Bridge*          | Default                                                 |
| Privacy*                  | Default                                                 |
| Owner User ID             | < None >                                                |
| Phone Load Name           |                                                         |

☐ Ignore Presentation Indicators (internal calls only)

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM\_Polaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCM\_5.02\_Avaya... | 9:44 AM



## Phone Configuration - 5

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Privacy\* Default  
Owner User ID < None >  
Phone Load Name  
☐ Ignore Presentation Indicators (internal calls only)  
☒ Allow Control of Device from CTI

**Protocol Specific Information**

Packet Capture Mode\* None  
Packet Capture Duration 0  
Presence Group\* Standard Presence group  
SIP Dial Rules < None >  
MTP Preferred Originating Codec\* 711ulaw  
SIP Phone Security Profile\* Standard SIP Profile for Auto Registration  
Rerouting Calling Search Space < None >  
SUBSCRIBE Calling Search Space < None >  
SIP Profile\* Standard SIP Profile  
Digest User < None >  
☐ Media Termination Point Required  
☐ Unattended Port  
☐ Require DTMF Reception

**External Data Locations Information (Leave blank to use default)**

Information  
Directory  
Messages  
Services  
Authentication Server  
Proxy Server  
Idle  
Idle Timer (seconds)

**Extension Information**

☐ Enable Extension Mobility  
Log Out Profile -- Not Selected --

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCMPolaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCMPolaris5.02\_E... | 9:46 AM



## Phone Configuration - 6

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Links

Time Timer (Seconds)

**Extension Information**

☐ Enable Extension Mobility

Log Out Profile: -- Not Selected --

Login in User ID: < None >

Log in Time: < None >

Log out Time: < None >

**Certification Authority Proxy Function (CAPF) Information**

Certificate Operation\*: No Pending Operation

Authentication String:

Operation Completes By: 2006 : 8 : 12 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

**MLPP Information**

MLPP Domain: < None >

**Secure Shell Information**

Secure Shell User:

Secure Shell Password:

**Product Specific Configuration Layout** ?

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \*: Enabled

Settings Access\*: Enabled

Gratuitous ARP\*: Enabled

PC Voice VLAN Access\*: Enabled

Video Capabilities\*: Disabled

Auto Line Select\*: Disabled

Web Access\*: Enabled

Span to PC Port\*: Disabled

Logging Display\*: PC Controlled

Load Server:

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM-Polaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCM-Polaris5.02\_E... | 9:46 AM



## Phone Configuration - 7

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Log out Time < None >

**Certification Authority Proxy Function (CAPE) Information**

Certificate Operation\* No Pending Operation

Authentication String

Generate String

Operation Completes By 2006 : 8 : 12 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

**MLPP Information**

MLPP Domain < None >

**Secure Shell Information**

Secure Shell User

Secure Shell Password

**Product Specific Configuration Layout**

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \* Enabled

Settings Access\* Enabled

Gratuitous ARP\* Enabled

PC Voice VLAN Access\* Enabled

Video Capabilities\* Disabled

Auto Line Select\* Disabled

Web Access\* Enabled

Span to PC Port\* Disabled

Logging Display\* PC Controlled

Load Server

Save Delete Copy Reset Add New

\*- indicates required item.

\*\* - Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCMPolaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCMPolaris5.02\_Extras - WordPad | 9:46 AM



## Phone Configuration - 8

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Phone Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

**Association Information**  
Modify Button Items

- Line [1] - 5005 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURF
- Add a new BLF SD
- Privacy
- None

**Phone Type**  
Product Type: Cisco 7970  
Device Protocol: SCCP

**Device Information**

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Registration              | Registered with Cisco Unified CallManager 172.20.236.50 |
| IP Address                | 172.20.236.35                                           |
| MAC Address*              | 000E839C1543                                            |
| Description               | 7970 Set - Bench 8 (5005)                               |
| Device Pool*              | Default                                                 |
| Phone Button Template*    | Standard 7970 SCCP                                      |
| Softkey Template          | Qsig Custom                                             |
| Common Phone Profile*     | Standard Common Phone Profile                           |
| Calling Search Space      | tp_phones_rp                                            |
| AAR Calling Search Space  | tp_phones_rp                                            |
| Media Resource Group List | MRGL_Polaris                                            |
| User Hold Audio Source    | 1-SampleAudioSource                                     |
| Network Hold Audio Source | 1-SampleAudioSource                                     |
| Location*                 | Hub_None                                                |
| User Locale               | < None >                                                |
| Network Locale            | < None >                                                |
| Built In Bridge*          | Default                                                 |
| Privacy*                  | Default                                                 |
| Owner User ID             | < None >                                                |
| Phone Load Name           |                                                         |

☒ Retry Video Call as Audio

Start Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM\_Polaris5.02\_A... CCM\_5.02 Testing Phone Configura... CCM\_Polaris5.02\_E... 9:51 AM



## Phone Configuration - 9

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Privacy\* Default  
Owner User ID < None >  
Phone Load Name  
☒ Retry Video Call as Audio  
☐ Ignore Presentation Indicators (internal calls only)  
☐ Allow Control of Device from CTI

**Protocol Specific Information**  
Packet Capture Mode\* None  
Packet Capture Duration 60  
Presence Group\* Standard Presence group  
SCCP Phone Security Profile\* Standard SCCP Profile for Auto Registration  
SUBSCRIBE Calling Search Space < None >  
☐ Unattended Port  
☐ Require DTMF Reception  
☐ RFC2833 Disabled

**Expansion Module Information**  
Module 1 < None >  
Module 1 Load Name  
Module 2 < None >  
Module 2 Load Name

**External Data Locations Information (Leave blank to use default)**  
Information  
Directory  
Messages  
Services  
Authentication Server  
Proxy Server  
Idle  
Idle Timer (seconds)

**Extension Information**  
☐ Enable Extension Mobility

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCMPolaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCMPolaris5.02\_E... | 9:51 AM



## Phone Configuration - 10

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Idle   
Idle Timer (seconds)

**Extension Information**

☐ Enable Extension Mobility

Log Out Profile

Login in User ID < None >  
Log in Time < None >  
Log out Time < None >

**Certification Authority Proxy Function (CAPF) Information**

Certificate Operation\*

Authentication String

Operation Completes By  :  :  :  (YYYY:MM:DD:HH)

Certificate Operation Status: None

**MLPP Information**

MLPP Domain

MLPP Indication\*

MLPP Preemption\*

**Secure Shell Information**

Secure Shell User

Secure Shell Password

**Product Specific Configuration Layout** ?

☐ Disable Speakerphone  
☐ Disable Speakerphone and Headset

PC Port \*

Settings Access \*

Gratuitous ARP\*

PC Voice VLAN Access\*

Video Capabilities\*

Auto Line Select\*

Web Access\*

Device Display Web Access

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM\_Polaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCM\_Polaris5.02\_E... | 9:51 AM



## Phone Configuration - 11

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

**MLPP Information**

MLPP Domain: < None >

MLPP Indication\*: Default

MLPP Preemption\*: Default

**Secure Shell Information**

Secure Shell User:

Secure Shell Password:

**Product Specific Configuration Layout**

?

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \*: Enabled

Settings Access\*: Enabled

Gratuitous ARP\*: Enabled

PC Voice VLAN Access\*: Enabled

Video Capabilities\*: Disabled

Auto Line Select\*: Disabled

Web Access\*: Enabled

Days Display Not Active: Sunday

Monday

Tuesday

Display On Time: 07:30

Display On Duration: 10:30

Display Idle Timeout: 01:00

Span to PC Port\*: Disabled

Logging Display\*: PC Controlled

Load Server:

Save Delete Copy Reset Add New

\*- indicates required item.

\*\* - Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM\_Polaris5.02\_A... | CCM\_5.02 Testing | Phone Configura... | CCM\_Polaris5.02\_E... | 9:51 AM



## Directory Number Configuration - 1

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Directory Number Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

**Directory Number Information**

Directory Number\* 5004

Route Partition phones

Description

Alerting Name 5004-Alt-Pol

ASCII Alerting Name 5004-Alt-Pol

☒ Allow Control of Device from CTI

Associated Devices

SEP000BBEAD4C1C

SEP112233445566

Edit Device

Edit Line Appearance

▼ ▲

Dissociate Devices

**Directory Number Settings**

Voice Mail Profile Unity1 (Choose <None> to use system default)

Calling Search Space rp\_phones

Presence Group\* Standard Presence group

AAR Group pbxlab\_AAR\_group\_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN~1 - W... Microsoft Outlo... Directory Nu... Untitled - Mes... Local intranet 10:20 AM



## Directory Number Configuration - 2

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group\* Standard Presence group

AAR Group pbxlab\_AAR\_group\_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Auto Answer\* Auto Answer Off

**Call Forward and Call Pickup Settings**

Forward All ☐ or Voice Mail Destination tp\_phones\_rp

Secondary Calling Search Space for Forward All < None > Find

Forward Busy Internal ☐ or tp\_phones\_rp

Forward Busy External ☐ or tp\_phones\_rp

Forward No Answer Internal ☐ or tp\_phones\_rp

Forward No Answer External ☐ or tp\_phones\_rp

Forward No Coverage Internal ☐ or tp\_phones\_rp

Forward No Coverage External ☐ or tp\_phones\_rp

Forward on CTI Failure ☐ or < None >

No Answer Ring Duration (seconds)

Call Pickup Group < None >

**MLPP Alternate Party Settings**

Target (Destination)

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP000BBEAD4C1C**

|                                                                                                                                                                                                                                         | Value        | Update Shared Device Settings |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|
| Display (Internal Caller ID)                                                                                                                                                                                                            | 5004-Polaris | <input type="checkbox"/>      |
| Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |              |                               |
| ASCII Display (Internal Caller ID)                                                                                                                                                                                                      | 5004-Polaris | <input type="checkbox"/>      |
| Line Text Label                                                                                                                                                                                                                         | 5004-Polaris | <input type="checkbox"/>      |
| ASCII Line Text Label                                                                                                                                                                                                                   | 5004-Polaris | <input type="checkbox"/>      |

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN-v1 - W... Microsoft Outlo... Directory Nu... Untitled -- Mes... Local intranet 10:21 AM



### Directory Number Configuration - 3

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP000BBEAD4C1C**

|                                                                                                                                                                                                                                         | Value              | Update Shared Device Settings |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| Display (Internal Caller ID)                                                                                                                                                                                                            | 5004-Polaris       | <input type="checkbox"/>      |
| Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |                    |                               |
| ASCII Display (Internal Caller ID)                                                                                                                                                                                                      | 5004-Polaris       | <input type="checkbox"/>      |
| Line Text Label                                                                                                                                                                                                                         | 5004-Polaris       | <input type="checkbox"/>      |
| ASCII Line Text Label                                                                                                                                                                                                                   | 5004-Polaris       | <input type="checkbox"/>      |
| External Phone Number Mask                                                                                                                                                                                                              |                    | <input type="checkbox"/>      |
| Message Waiting Lamp Policy*                                                                                                                                                                                                            | Use System Policy  | <input type="checkbox"/>      |
| Ring Setting (Phone Idle)*                                                                                                                                                                                                              | Use System Default | <input type="checkbox"/>      |
| Ring Setting (Phone Active)                                                                                                                                                                                                             | Use System Default | <input type="checkbox"/>      |
| Applies to this line when any line on the phone has a call in progress.                                                                                                                                                                 |                    |                               |
| <b>Propagate Selected</b>                                                                                                                                                                                                               |                    |                               |

**Multiple Call/Call Waiting Settings on Device SEP000BBEAD4C1C**

Note: The range to select the Max Number of calls is: 1-200

Maximum Number of Calls\* 4

Busy Trigger\* 1 (Less than or equal to Max. Calls)

**Forwarded Call Information Display on Device SEP000BBEAD4C1C**

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

Save Delete Copy Reset Add New

\*- indicates required item.

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN-v1 - W... Microsoft Outlo... Directory Nu... Untitled - Mes... Local intranet 10:22 AM



## Directory Number Configuration - 4

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Directory Number Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

**Directory Number Information**

Directory Number\* 5008

Route Partition phones

Description

Alerting Name 5008-Alt-SIP

ASCII Alerting Name 5008-Alt-SIP

☒ Allow Control of Device from CTI

Associated Devices

SEP00170EEE32C6

SEP001120CC61C5

Edit Device

Edit Line Appearance

▼ ▲

Dissociate Devices

**Directory Number Settings**

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space rp\_phones

Presence Group\* Standard Presence group

AAR Group pbxlab\_AAR\_group\_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing CCM5.02\_Polaris... Directory Numb... Tera Term: Log VirusScan On-Acc... Local intranet 11:04 AM



## Directory Number Configuration - 5

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group\* Standard Presence group

AAR Group pbxlab\_AAR\_group\_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

**Call Forward and Call Pickup Settings**

Forward All ☐ or Voice Mail Destination tp\_phones\_rp Calling Search Space tp\_phones\_rp

Secondary Calling Search Space for Forward All < None > Find

Forward Busy Internal ☐ or tp\_phones\_rp

Forward Busy External ☐ or tp\_phones\_rp

Forward No Answer Internal ☐ or tp\_phones\_rp

Forward No Answer External ☐ or tp\_phones\_rp

Forward No Coverage Internal ☐ or tp\_phones\_rp

Forward No Coverage External ☐ or tp\_phones\_rp

Forward on CTI Failure ☐ or < None >

No Answer Ring Duration (seconds)

Call Pickup Group < None >

**MLPP Alternate Party Settings**

Target (Destination)

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP001120CC61C5**

|                                                                                                                                                            | Value            | Update Shared Device Settings |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------|
| Display (Internal Caller ID)                                                                                                                               | 5008-Polaris-SIP | <input type="checkbox"/>      |
| name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |                  |                               |
| ASCII Display (Internal Caller ID)                                                                                                                         | 5008-Polaris-SIP | <input type="checkbox"/>      |
| Line Text Label                                                                                                                                            | 5008-Polaris-SIP | <input type="checkbox"/>      |
| ASCII Line Text Label                                                                                                                                      | 5008-Polaris-SIP | <input type="checkbox"/>      |
| External Phone                                                                                                                                             |                  | <input type="checkbox"/>      |

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Directory Numb... Tera Term: Log VirusScan On-Acc... CCM\_5.02\_Polaris... Local intranet 11:06 AM



## Directory Number Configuration - 6

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

No Answer Ring Duration (seconds)

Call Pickup Group

**MLPP Alternate Party Settings**

Target (Destination)

MLPP Calling Search Space

MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP001120CC61C5**

|                                                                                                                                                            | Value                                         | Update Shared Device Settings                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------|
| Display (Internal Caller ID)                                                                                                                               | <input type="text" value="5008-Polaris-SIP"/> | <input type="checkbox"/>                          |
| name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |                                               |                                                   |
| ASCII Display (Internal Caller ID)                                                                                                                         | <input type="text" value="5008-Polaris-SIP"/> | <input type="checkbox"/>                          |
| Line Text Label                                                                                                                                            | <input type="text" value="5008-Polaris-SIP"/> | <input type="checkbox"/>                          |
| ASCII Line Text Label                                                                                                                                      | <input type="text" value="5008-Polaris-SIP"/> | <input type="checkbox"/>                          |
| External Phone Number Mask                                                                                                                                 | <input type="text"/>                          | <input type="checkbox"/>                          |
|                                                                                                                                                            |                                               | <input type="button" value="Propagate Selected"/> |

**Multiple Call/Call Waiting Settings on Device SEP001120CC61C5**

Note: The range to select the Max Number of calls is: 1-2

Maximum Number of Calls\*

Busy Trigger\*  (Less than or equal to Max. Calls)

**Forwarded Call Information Display on Device SEP001120CC61C5**

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

\*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Directory Numb... Tera Term: Log VirusScan On-Acc... CCM\_5.02\_Polaris... 11:06 AM



## Service Parameters Configuration - 1

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Service Parameter Configuration

Status  
Status: Ready

Select Server and Service

Server \* 172.20.236.50 (Active)

Service \* -- Not Selected --

All parameter -- Not Selected --

the Clusterwide group(s).

er available for this service.

- indicates

- Cisco AMC Service (Active)
- Cisco Bulk Provisioning Service (Inactive)
- Cisco CAR Scheduler (Inactive)
- Cisco CTIManager (Active)
- Cisco CTL Provider (Inactive)
- Cisco CallManager (Active)
- Cisco CallManager Attendant Console Server (Inactive)
- Cisco CallManager SNMP Service (Inactive)
- Cisco Certificate Authority Proxy Function (Inactive)
- Cisco DRF Local (Active)

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_S.02 Testing Service Parame... Tera Term: Log VirusScan On-Acc... Document - Word... 1:15 PM



## Service Parameters Configuration - 2

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Service Parameter Configuration Related Links: Parameters for All Servers Go

Status  
Status: Ready

Select Server and Service  
Server \* 172.20.236.50 (Active)  
Service \* Cisco CallManager (Active)  
All parameters apply only to the current server except parameters that are in the Clusterwide group(s).

Cisco CallManager (Active) Parameters on server 172.20.236.50 (Active)

| Parameter Name                                          | Parameter Value  | Suggested Value  |
|---------------------------------------------------------|------------------|------------------|
| <b>CCM Call Throttling</b>                              |                  |                  |
| <a href="#">Code Yellow Entry Latency *</a>             | 20               | 20               |
| <a href="#">Code Yellow Exit Latency Calculation *</a>  | 40               | 40               |
| <a href="#">Code Yellow Duration *</a>                  | 99999            | 99999            |
| <a href="#">Max Events Allowed *</a>                    | 2000             | 2000             |
| <a href="#">System Throttle Sample Size *</a>           | 10               | 10               |
| <b>System</b>                                           |                  |                  |
| <a href="#">CDR Enabled Flag *</a>                      | False            | False            |
| <a href="#">CDR Log Calls with Zero Duration Flag *</a> | False            | False            |
| <a href="#">Digit Analysis Complexity *</a>             | StandardAnalysis | StandardAnalysis |
| <a href="#">Database Debounce Timer *</a>               | 0                | 0                |
| <a href="#">Maximum Phone Fallback Queue Depth *</a>    | 10               | 10               |
| <a href="#">Maximum Number of Registered Devices *</a>  | 5000             | 5000             |

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

https://172.20.236.50:8443/ccmadmin/serviceParamEdit.do#navskip

Start Tera Term - COM1 VT Tera Term - COM2 VT Document - WordPad Service Parameter Co... Local intranet 6:05 PM



### Service Parameters Configuration - 3

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

|                                                        |      |      |
|--------------------------------------------------------|------|------|
| <a href="#">SIP statistics Periodic update Timer *</a> | 2    | 2    |
| <a href="#">SIP Session Expires Timer *</a>            | 1800 | 1800 |
| <a href="#">SIP Trunk TspReq Retry *</a>               | 2    | 2    |

**Clusterwide Parameters (Feature - General)**

|                                                                        |                                 |                                 |
|------------------------------------------------------------------------|---------------------------------|---------------------------------|
| <a href="#">Call Park Display Timer *</a>                              | 15                              | 10                              |
| <a href="#">Call Park Reversion Timer *</a>                            | 90                              | 60                              |
| <a href="#">Maximum Call Duration Timer *</a>                          | 720                             | 720                             |
| <a href="#">Maximum Hold Duration Timer *</a>                          | 360                             | 360                             |
| <a href="#">Party Entrance Tone *</a>                                  | True                            | True                            |
| <a href="#">Suppress MOH to Conference Bridge *</a>                    | True                            | True                            |
| <a href="#">Message Waiting Lamp Policy *</a>                          | Primary Line - Light and Prompt | Primary Line - Light and Prompt |
| <a href="#">Message Waiting Indicator Inbound Calling Search Space</a> | tp_phones_rp                    |                                 |
| <a href="#">Multiple Tenant MWI Modes *</a>                            | False                           | False                           |
| <a href="#">MWI Non Message Center Signaling Call Duration *</a>       | 0                               | 0                               |
| <a href="#">Message Waiting Indicator APDU Digit Translation CSS</a>   | < None >                        |                                 |
| <a href="#">Block OffNet To OffNet Transfer *</a>                      | False                           | False                           |
| <a href="#">Drop Ad Hoc Conference *</a>                               | Never                           | Never                           |

**Clusterwide Parameters (Feature - Forward)**

|                                                                          |                                |                                |
|--------------------------------------------------------------------------|--------------------------------|--------------------------------|
| <a href="#">Forward Maximum Hop Count *</a>                              | 12                             | 12                             |
| <a href="#">Forward No Answer Timer *</a>                                | 12                             | 12                             |
| <a href="#">Max Forward Hops to DN *</a>                                 | 12                             | 12                             |
| <a href="#">Retain Forward Information *</a>                             | False                          | False                          |
| <a href="#">Forward By Reroute Enabled *</a>                             | False                          | False                          |
| <a href="#">Transform Forward by Reroute Destination *</a>               | True                           | True                           |
| <a href="#">Always Forward Switch Voice Mail Calls *</a>                 | True                           | True                           |
| <a href="#">Forward By Reroute T1 Timer *</a>                            | 10                             | 10                             |
| <a href="#">Include Original Called Info for Q.SIG Call Diversions *</a> | Only after the first diversion | Only after the first diversion |

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

Set TRUE to enable Forward by Reroute

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Service Parame... Tera Term: Log VirusScan On-Acc... Document - Word... 1:16 PM



## Service Parameters Configuration - 4

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

[Always Forward Switch Voice Mail Calls \\*](#) True True

[Forward By Reroute T1 Timer \\*](#) 10 10

[Include Original Called Info for Q.SIG Call Diversions \\*](#) Only after the first diversion Only after the first diversion

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

**Clusterwide Parameters (Feature - Call Pickup)**

[Auto Call Pickup Enabled \\*](#) False False

[Call Pickup Locating Timer \\*](#) 1 1

[Call Pickup No Answer Timer \\*](#) 12 12

**Clusterwide Parameters (Feature - Refer)**

[Validate Refer-to URI \\*](#) Validate Except for Anonymous Users Validate Except for Anonymous Users

**Clusterwide Parameters (Feature - Replaces)**

[Block OffNet To OffNet Replaces \\*](#) False False

**Clusterwide Parameters (Feature - Redirection [3xx])**

[Redirection Ring No Answer Reversion Timer \\*](#) 24 24

[Maximum Redirection Count \\*](#) 70 70

**Clusterwide Parameters (Feature - Multilevel Precedence and Preemption)**

[Locations-based MLPP Enable \\*](#) False False

[Executive Override Call Preemptable \\*](#) False False

**Clusterwide Parameters (Feature - Path Replacement)**

[Path Replacement Enabled \\*](#) False **Set TRUE to enable Path Replacement** False

[Path Replacement on Tromboned Calls \\*](#) False True

[Start Path Replacement Minimum Delay Time \\*](#) 1 0

[Start Path Replacement Maximum Delay Time \\*](#) 5 0

[Path Replacement T1 Timer \\*](#) 30 30

[Path Replacement T2 Timer \\*](#) 15 15

[Path Replacement PINX ID](#) 5007

[Path Replacement Calling Search Space](#) rp\_phones

**Clusterwide Parameters (Feature - Call Back)**

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Service Param... Tera Term: Log VirusScan On-Acc... Document - Word... 1:16 PM



## Service Parameters Configuration - 5

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

|                                                       |           |  |
|-------------------------------------------------------|-----------|--|
| <a href="#">Path Replacement PINX ID</a>              | 15        |  |
| <a href="#">Path Replacement Calling Search Space</a> | 5007      |  |
|                                                       | rp_phones |  |

**Clusterwide Parameters (Feature - Call Back)**

|                                                            |                                 |                                 |
|------------------------------------------------------------|---------------------------------|---------------------------------|
| <a href="#">Call Back Enabled Flag *</a>                   | True                            | True                            |
| <a href="#">Call Back Notification Audio File Name *</a>   | CallBack.raw                    | CallBack.raw                    |
| <a href="#">Connection Proposal Type *</a>                 | No Preference                   | Connection Retention            |
| <a href="#">Connection Response Type *</a>                 | Default to Connection Retention | Default to Connection Retention |
| <a href="#">Call Back Request Protection T1 Timer *</a>    | 10                              | 10                              |
| <a href="#">Call Back Recall T3 Timer *</a>                | 20                              | 20                              |
| <a href="#">Call Back Calling Search Space</a>             | tp_phones_rp                    |                                 |
| <a href="#">No Path Reservation *</a>                      | True                            | True                            |
| <a href="#">Set Private Numbering Plan for Call Back *</a> | False                           | False                           |

**Clusterwide Parameters (Route Plan)**

|                                                           |       |       |
|-----------------------------------------------------------|-------|-------|
| <a href="#">Stop Routing on Out of Bandwidth Flag *</a>   | False | False |
| <a href="#">Stop Routing on Unallocated Number Flag *</a> | True  | True  |
| <a href="#">Stop Routing on User Busy Flag *</a>          | True  | True  |

**Clusterwide Parameters (Hunt List)**

|                                                         |       |       |
|---------------------------------------------------------|-------|-------|
| <a href="#">Stop Hunting on Out of Bandwidth Flag *</a> | False | False |
|---------------------------------------------------------|-------|-------|

**Clusterwide Parameters (Service)**

|                                                             |       |       |
|-------------------------------------------------------------|-------|-------|
| <a href="#">Default Network Hold MOH Audio Source ID *</a>  | 1     | 1     |
| <a href="#">Default User Hold MOH Audio Source ID *</a>     | 1     | 1     |
| <a href="#">Duplex Streaming Enabled *</a>                  | False | False |
| <a href="#">Maximum Ad Hoc Conference *</a>                 | 4     | 4     |
| <a href="#">Maximum MeetMe Conference Unicast *</a>         | 4     | 4     |
| <a href="#">Media Exchange Interface Capability Timer *</a> | 8     | 8     |
| <a href="#">Media Exchange Timer *</a>                      | 12    | 12    |
| <a href="#">Media Exchange Stop Streaming Timer *</a>       | 8     | 8     |

Done Local intranet 6:08 PM

Start Tera Term - COM1 VT Tera Term - COM2 VT Document - WordPad Service Parameter Co...



## Service Parameters Configuration - 6

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

**Clusterwide Parameters (System - QOS)**

|                                                        |                                 |                                 |
|--------------------------------------------------------|---------------------------------|---------------------------------|
| <a href="#">Priority Class *</a>                       | Normal Priority                 | Normal Priority                 |
| <a href="#">DSCP for Audio Calls *</a>                 | EF DSCP (101110)                | EF DSCP (101110)                |
| <a href="#">DSCP for Video Calls *</a>                 | AF41 DSCP (100010)              | AF41 DSCP (100010)              |
| <a href="#">DSCP for Audio Calls when RSVP Fails *</a> | default DSCP (000000)           | default DSCP (000000)           |
| <a href="#">DSCP for Video Calls when RSVP Fails *</a> | default DSCP (000000)           | default DSCP (000000)           |
| <a href="#">DSCP for ICMP Protocol Links *</a>         | CS3(precedence 3) DSCP (011000) | CS3(precedence 3) DSCP (011000) |

**Clusterwide Parameters (System - SDL)**

|                                                        |      |      |
|--------------------------------------------------------|------|------|
| <a href="#">SDL Listening Port Number *</a>            | 8002 | 8002 |
| <a href="#">SDL Max Router Latency *</a>               | 20   | 20   |
| <a href="#">Suppress Debug Info for Router Death *</a> | 0    | 0    |

**Clusterwide Parameters (System - Location and Region)**

|                                                            |       |       |
|------------------------------------------------------------|-------|-------|
| <a href="#">Enforce Millisecond Packet Size *</a>          | True  | True  |
| <a href="#">Locations Initialization Timer *</a>           | 90    | 90    |
| <a href="#">Locations Trace Details Enabled *</a>          | False | False |
| <a href="#">Preferred G711 Millisecond Packet Size *</a>   | 20    | 20    |
| <a href="#">Preferred G723 Millisecond Packet Size *</a>   | 30    | 30    |
| <a href="#">Preferred G729 Millisecond Packet Size *</a>   | 20    | 20    |
| <a href="#">Preferred GSM EFR Bytes Packet Size *</a>      | 31    | 31    |
| <a href="#">Regions Initialization Timer *</a>             | 120   | 120   |
| <a href="#">Intraregion Audio Codec Default *</a>          | G711  | G711  |
| <a href="#">Interregion Audio Codec Default *</a>          | G729  | G729  |
| <a href="#">Intraregion Video Call Bandwidth Default *</a> | 384   | 384   |
| <a href="#">Interregion Video Call Bandwidth Default *</a> | 384   | 384   |

**Clusterwide Parameters (System - CCM Automated Alternate Routing)**

|                                                      |      |       |
|------------------------------------------------------|------|-------|
| <a href="#">Automated Alternate Routing Enable *</a> | True | False |
| <a href="#">AAR Groups Initialization Timer *</a>    | 90   | 90    |

Done

Start | Tera Term - COM1 VT | Tera Term - COM2 VT | Document - WordPad | Service Parameter Co... | Local intranet | 6:08 PM



## Call Forward on No Reply and Busy - 1

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Directory Number Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

**Directory Number Information**

Directory Number\* 5004

Route Partition phones

Description

Alerting Name 5004-Alt-Pol

ASCII Alerting Name 5004-Alt-Pol

☒ Allow Control of Device from CTI

Associated Devices

SEP000BBEAD4C1C

SEP112233445566

Edit Device

Edit Line Appearance

▼ ▲

Dissociate Devices

**Directory Number Settings**

Voice Mail Profile Unity1 (Choose <None> to use system default)

Calling Search Space rp\_phones

Presence Group\* Standard Presence group

AAR Group pbxlab\_AAR\_group\_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - COM1... Tera Term - COM2... CCMS.02\_AAR\_Pa... CCM\_5.02\_Avaya... CCM\_5.02 Testing CCMPOL~2 - Wor... Directory Numb... Local intranet 11:25 AM



## Call Forward on No Reply and Busy - 2

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group\* Standard Presence group  
AAR Group pbxlab\_AAR\_group\_1  
User Hold Audio Source < None >  
Network Hold Audio Source < None >  
Auto Answer\* Auto Answer Off

**Call Forward and Call Pickup Settings**

Voice Mail Destination Calling Search Space  
Forward All ☐ or  tp\_phones\_rp  
Secondary Calling Search Space for Forward All < None > Find  
Forward Busy Internal ☐ or 2104 tp\_phones\_rp  
Forward Busy External ☐ or 2104 tp\_phones\_rp  
Forward No Answer Internal ☐ or 2104 tp\_phones\_rp  
Forward No Answer External ☐ or 2104 tp\_phones\_rp  
Forward No Coverage Internal ☐ or tp\_phones\_rp  
Forward No Coverage External ☐ or tp\_phones\_rp  
Forward on CTI Failure ☐ or < None >  
No Answer Ring Duration (seconds)   
Call Pickup Group < None >

**MLPP Alternate Party Settings**

Target (Destination)   
MLPP Calling Search Space < None >  
MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP000BBEAD4C1C**

|                                                                                                                                                                                                                                         | Value        | Update Shared Device Settings |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|
| Display (Internal Caller ID)                                                                                                                                                                                                            | 5004-Polaris | <input type="checkbox"/>      |
| Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |              |                               |
| ASCII Display (Internal Caller ID)                                                                                                                                                                                                      | 5004-Polaris | <input type="checkbox"/>      |
| Line Text Label                                                                                                                                                                                                                         | 5004-Polaris | <input type="checkbox"/>      |
| ASCII Line Text Label                                                                                                                                                                                                                   | 5004-Polaris | <input type="checkbox"/>      |

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... CCM\_5.02\_Avaya... CCM\_5.02\_Testing CCM5POL~2 - Wor... Directory Numb... 11:26 AM



### Call Forward on No Reply and Busy - 3

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

**Line 1 on Device SEP000BBEAD4C1C**

|                                                                                                                                                            | Value              | Update Shared Device Settings |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| Display (Internal Caller ID)                                                                                                                               | 5004-Polaris       | <input type="checkbox"/>      |
| name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller. |                    |                               |
| ASCII Display (Internal Caller ID)                                                                                                                         | 5004-Polaris       | <input type="checkbox"/>      |
| Line Text Label                                                                                                                                            | 5004-Polaris       | <input type="checkbox"/>      |
| ASCII Line Text Label                                                                                                                                      | 5004-Polaris       | <input type="checkbox"/>      |
| External Phone Number Mask                                                                                                                                 |                    | <input type="checkbox"/>      |
| Message Waiting Lamp Policy*                                                                                                                               | Use System Policy  | <input type="checkbox"/>      |
| Ring Setting (Phone Idle)*                                                                                                                                 | Use System Default | <input type="checkbox"/>      |
| Ring Setting (Phone Active)                                                                                                                                | Use System Default | <input type="checkbox"/>      |
| Applies to this line when any line on the phone has a call in progress.                                                                                    |                    |                               |
|                                                                                                                                                            |                    | <b>Propagate Selected</b>     |

**Multiple Call/Call Waiting Settings on Device SEP000BBEAD4C1C**

Note: The range to select the Max Number of calls is: 1-200

Maximum Number of Calls\* 4

Busy Trigger\* 1 (Less than or equal to Max. Calls)

**Forwarded Call Information Display on Device SEP000BBEAD4C1C**

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

Save Delete Copy Reset Add New

\*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... CCM\_5.02\_Avaya... CCM\_5.02\_Testing CCM POL~2 - Wor... Directory Numb... Local intranet 11:26 AM



## Automated Alternate Route Configuration - 1

Find and List Automated Alternate Routing Groups - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

**Find and List Automated Alternate Routing Groups**

+ - X

**Status**  
1 records found

**Search Options**  
Find Automated Alternate Routing Group where Name begins with [ ] Find ☐ Search Within Results  
(name begins with any)

**Search Results**

| Name                                                        |
|-------------------------------------------------------------|
| <input type="checkbox"/> <a href="#">pbxlab_AAR_group_1</a> |

Add New Select All Clear All Delete Selected Rows per Page 50

Start Tera Term - COM1... Tera Term - COM2... CCMS\_5.02\_CallPi... Find and List Au... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing 6:36 PM



## Automated Alternate Route Configuration - 2

Automated Alternate Routing Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Automated Alternate Routing Group Configuration Related Links: Back To Find/List Go

**Status**  
Status: Ready

**Automated Alternate Routing Group Information**

Name\* pbxlab\_AAR\_group\_1

Prefix Digits within pbxlab\_AAR\_group\_1  
Dial Prefix  
pbxlab\_AAR\_group\_1 88

Save Delete Add New

\*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Automated Alte... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:37 PM



## Partition Configuration - 1

Find and List Partitions - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

**Find and List Partitions**

+ - X

**Status**  
3 records found

**Search Options**  
Find partition where Partition Name begins with Find ☐ Search Within Results  
(name begins with any)

**Search Results**

|                          | Partition Name                | Description   |
|--------------------------|-------------------------------|---------------|
| <input type="checkbox"/> | <a href="#">phones</a>        | phones        |
| <input type="checkbox"/> | <a href="#">route_p</a>       | route_p       |
| <input type="checkbox"/> | <a href="#">translation_p</a> | translation_p |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Find and List Par... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:37 PM



## Partition Configuration - 2

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Partition Configuration Related Links: Back To Find/List Go

Save X Add

**Status**  
Status: Ready

Partition Name\* phones

Description phones

Time Schedule < None >

Time Zone  
☒ Originating Device  
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:38 PM



### Partition Configuration - 3

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Partition Configuration Related Links: Back To Find/List Go

Save X Add

**Status**  
Status: Ready

Partition Name\* route\_p

Description route\_p

Time Schedule < None >

Time Zone  
☒ Originating Device  
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:39 PM



## Partition Configuration - 4

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Partition Configuration Related Links: Back To Find/List Go

Save X Add

**Status**  
Status: Ready

Partition Name\* route\_p

Description route\_p

Time Schedule < None >

Time Zone  
☒ Originating Device  
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:39 PM



## Partition Configuration - 5

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Partition Configuration Related Links: Back To Find/List Go

Save X Add

Status  
Status: Ready

Partition Name\* translation\_p

Description translation\_p

Time Schedule < None >

Time Zone  
☒ Originating Device  
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:40 PM



## Calling Search Space Configuration - 1

Find and List Calling Search Spaces - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

### Find and List Calling Search Spaces

+ - X

**Status**  
2 records found

**Search Options**  
Find where Name begins with Find Search Within Results  
(name begins with any)

**Search Results**

|                          | CSS Name     | Description | Copy |
|--------------------------|--------------|-------------|------|
| <input type="checkbox"/> | rp_phones    |             |      |
| <input type="checkbox"/> | tp_phones_rp |             |      |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Find and List Cal... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing 6:42 PM



## Calling Search Space Configuration - 2

Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Calling Search Space Configuration Related Links: Back To Find/List Go

Save X Print +

**Status**  
Status: Ready

**Calling Search Space Information**  
Name\* tp\_phones  
Description

**Route Partitions for this Calling Search Space**  
Available Partitions translation\_p  
Selected Partitions (Ordered by highest priority) phones route\_p

Save Delete Copy Add New

\*- indicates required item.

Done Start Tera Term - COM1... Tera Term - COM2... Document - Word... Calling Search S... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:42 PM



### Calling Search Space Configuration - 3

Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Calling Search Space Configuration Related Links: Back To Find/List Go

Save X Print +

Status  
Status: Ready

Calling Search Space Information  
Name\* tp\_phones\_rp  
Description

Route Partitions for this Calling Search Space  
Available Partitions

Selected Partitions  
(Ordered by highest priority)  
translation\_p  
route\_p  
phones

Save Delete Copy Add New

\*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Calling Search S... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing 6:42 PM



## Call Pickup Group Configuration - 1

Find and List Call Pickup Groups - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Find and List Call Pickup Groups

+ - X

Status  
1 records found

Search Options  
Find Call Pickup Group where Call Pickup Group Name begins with Find Search Within Results

Search Results

| Call Pickup Group Name                       | Call Pickup Group Number | Partition | Description | Copy |
|----------------------------------------------|--------------------------|-----------|-------------|------|
| <input type="checkbox"/> Path Replacement PG | 5007                     | phones    |             |      |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... CCM\_5.02\_Route... Find and List Cal... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:34 PM



## Call Pickup Group Configuration - 2

Call Pickup Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Call Pickup Group Configuration Related Links: Back To Find/List Go

Save Cancel Add

**Status**  
Status: Ready

**Call Pickup Group Information**  
Call Pickup Group Name\* Path\_Replacement\_PG  
Call Pickup Group Number\* 5007  
Description  
Partition phones

**Associated Call Pickup Group Information**  
**Find Pickup Numbers by Numbers/Partition**  
Partition < None >  
Call Pickup Group Numbers Contain Find  
Available Call Pickup Groups (No Matches Found)  
Add to Associated Call Pickup Groups

**Current Associated Call Pickup Groups**  
Reverse Order of Selected Numbers  
Selected Call Pickup Groups 5007/phones  
Removed Call Pickup Groups

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Call Pickup Grou... Cisco Employee C... CCM\_5.02\_Avaya... CCM\_5.02 Testing Local intranet 6:35 PM



### Call Pickup Group Configuration - 3

Call Pickup Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

**Status**  
Status: Ready

**Call Pickup Group Information**  
Call Pickup Group Name\* Path\_Replacement\_PG  
Call Pickup Group Number\* 5007  
Description  
Partition phones

**Associated Call Pickup Group Information**  
**Find Pickup Numbers by Numbers/Partition**  
Partition < None >  
Call Pickup Group Numbers Contain Find  
Available Call Pickup Groups (No Matches Found)  
Add to Associated Call Pickup Groups

**Current Associated Call Pickup Groups**  
Reverse Order of Selected Numbers  
Selected Call Pickup Groups 5007/phones  
Removed Call Pickup Groups (to be removed when you click Save)

Save Delete Copy Add New

\* - indicates required item.

Done Local intranet 6:35 PM



## Route Pattern Configuration (Enbloc) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Address <https://172.20.236.50/ccadmin/routePattern2Edit.do?key=a24aa0a3-96f7-eb3d-1683-4effdd9e8920> Go

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Route Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Pattern Definition

Route Pattern\* 210[1-4]

Route Partition route\_p

Description To Avaya MV1.1

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence\* Default

Gateway/Route List\* S2/DS1-0@CMM-POLARIS (Edit) Find

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

Connected Party Transformations

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... Local intranet 2:19 PM



## Route Pattern Configuration (Enbloc) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccadmin/routePattern2Edit.do?key=a24aa0a3-96f7-eb3d-1683-4effdd9e8920>

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority  
☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

**Called Party Transformations**

Discard Digits < None >

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

| Network Service    | Service Parameter Name | Service Parameter Value |
|--------------------|------------------------|-------------------------|
| -- Not Selected -- | < Not Exist >          |                         |

Save Delete Copy Add New

\*- indicates required item.

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... 2:19 PM



### Route Pattern Configuration (Enbloc) - 3

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Address <https://172.20.236.50/ccadmin/routePattern2Edit.do?key=5c77340d-d13a-cab1-5092-ce879eea68f6> Go

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Route Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Pattern Definition

Route Pattern\*

Route Partition

Description

Numbering Plan

Route Filter

MLPP Precedence\*

Gateway/Route List\*  (Edit) Find

Route Option  
☒ Route this pattern  
☐ Block this pattern

Call Classification\*

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level\*

☐ Require Client Matter Code

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

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... Local intranet 2:22 PM



## Route Pattern Configuration (Enbloc) - 4

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccmadmin/routePattern2Edit.do?key=5c77340d-d13a-cab1-5092-ce879eea68f6>

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority  
☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Allowed

Calling Name Presentation\* Allowed

**Connected Party Transformations**

Connected Line ID Presentation\* Allowed

Connected Name Presentation\* Allowed

**Called Party Transformations**

Discard Digits < None >

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

| Network Service    | Service Parameter Name | Service Parameter Value |
|--------------------|------------------------|-------------------------|
| -- Not Selected -- | < Not Exist >          |                         |

Save Delete Copy Add New

\*- indicates required item.

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... Local intranet 2:22 PM



## Route Pattern Configuration (Overlap) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Address <https://172.20.236.50/ccadmin/routePattern2Edit.do?key=0bc980b4-d742-f0d9-685c-1729a9f8a1ed> Go

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Route Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

Pattern Definition

Route Pattern\* 9.2

Route Partition route\_p

Description overlap sending to Avaya MV1.1

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence\* Default

Gateway/Route List\* S2/DS1-0@CMM-POLARIS (Edit) Find

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☒ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

Connected Party Transformations

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... Local intranet 2:23 PM



## Route Pattern Configuration (Overlap) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.236.50/ccadmin/routePattern2Edit.do?key=0bc980b4-d742-f0d9-685c-1729a9f8a1ed>

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☒ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

**Called Party Transformations**

Discard Digits PreDot

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

| Network Service    | Service Parameter Name | Service Parameter Value |
|--------------------|------------------------|-------------------------|
| -- Not Selected -- | < Not Exist >          |                         |

Save Delete Copy Add New

\*- indicates required item.

Done

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Document - WordPad CCM\_5.02 Testing Route Pattern Confi... Local intranet 2:24 PM



## Connected Name and Number Restriction (CONR, COLR) - 1

### Translation Pattern Configuration

Find and List Translation Patterns - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

**Find and List Translation Patterns**

+ - X

**Status**  
1 records found

**Search Options**  
Find Translation patterns where Pattern begins with Find Search Within Results  
(numplan.dnorpattern begins with any)

**Search Results**

| Translation Pattern           | Partition     | Description                            | Route Filter | Copy |
|-------------------------------|---------------|----------------------------------------|--------------|------|
| <input type="checkbox"/> 509X | translation_p | Translation Pattern for Incoming Calls |              |      |

Add New Select All Clear All Delete Selected Rows per page 50

Done Start Find and List Tr... Tera Term - [di... Tera Term: Log Tera Term - CO... CCM\_5.02 Test... CCM\_5.02\_Ava... Document - Wo... Local intranet 11:02 AM



## Connected Name and Number Restriction (CONR, COLR) - 2

### Translation Pattern Configuration

Translation Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Translation Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

**Pattern Definition**

Translation Pattern 509X

Partition translation\_p

Description Translation Pattern for Incoming Calls

Numbering Plan < None >

Route Filter < None >

MLPP Precedence\* Default

Calling Search Space tp\_phones\_rp

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

☒ Provide Outside Dial Tone ☒ 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\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Restricted

Connected Name Presentation\* Restricted

**Called Party Transformations**

Discard Digits < None >

Called Party Transform Mask

Done

Start Translation Patt... Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM\_5.02 Testing CCM\_5.02\_Avaya... Document - WordPad 11:03 AM



## Calling Name and Number Restriction (CNIR, CLIR)- 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Route Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

**Pattern Definition**

Route Pattern\* 210[1-4]  
Route Partition route\_p  
Description To Avaya MV1.1  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S2/DS1-0@CMM-POLARIS (Edit) Find  
Route Option  
☒ Route this pattern  
☐ Block this pattern No Error  
Call Classification\* OnNet  
☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority  
☐ Require Forced Authorization Code  
Authorization Level\* 0  
☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask  
Calling Party Transform Mask  
Prefix Digits (Outgoing Calls)  
Calling Line ID Presentation\* Restricted  
Calling Name Presentation\* Restricted

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Done

Start | Route Pattern C... | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM\_5.02 Testing | CCM\_5.02\_Avaya... | Document - WordPad | 11:05 AM



## Calling Name and Number Restriction (CNIR, CLIR)- 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Gateway/Route List \* S2/DS1-0@CMM-POLARIS (Edit) Find

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority  
☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**  
☐ Use Calling Party's External Phone Number Mask  
Calling Party Transform Mask  
Prefix Digits (Outgoing Calls)  
Calling Line ID Presentation\* Restricted  
Calling Name Presentation\* Restricted

**Connected Party Transformations**  
Connected Line ID Presentation\* Default  
Connected Name Presentation\* Default

**Called Party Transformations**  
Discard Digits < None >  
Called Party Transform Mask  
Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**  
Network Service Protocol -- Not Selected --  
Carrier Identification Code  
Network Service Service Parameter Name Service Parameter Value  
-- Not Selected -- < Not Exist >

Save Delete Copy Add New

\*- indicates required item.

Done Local intranet

Start Route Pattern C... Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM\_5.02 Testing CCM\_5.02\_Avaya... Document - WordPad 11:05 AM



## Voice Mail Port Configuration - 1

Find and List Voice Mail Ports - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

### Find and List Voice Mail Ports

+ - X

**Status**  
4 records found

**Search Options**  
Find Voice Mail Port where Device Name begins with Find Search Within Results  
(device.name begins with any) Select item or enter search text

**Search Results**

|                          | Device Name                  | Description      | Device Pool             | SCCP Security Profile                                       | Status                        | IP Address     | Copy |
|--------------------------|------------------------------|------------------|-------------------------|-------------------------------------------------------------|-------------------------------|----------------|------|
| <input type="checkbox"/> | <a href="#">CiscoUM1-VI1</a> | Unity 1 - port 1 | <a href="#">Default</a> | <a href="#">Standard SCCP Profile for Auto Registration</a> | Registered with 172.20.236.50 | 172.20.236.253 |      |
| <input type="checkbox"/> | <a href="#">CiscoUM1-VI2</a> | Unity 1 - port 1 | <a href="#">Default</a> | <a href="#">Standard SCCP Profile for Auto Registration</a> | Registered with 172.20.236.50 | 172.20.236.253 |      |
| <input type="checkbox"/> | <a href="#">CiscoUM1-VI3</a> | Unity 1 - port 1 | <a href="#">Default</a> | <a href="#">Standard SCCP Profile for Auto Registration</a> | Registered with 172.20.236.50 | 172.20.236.253 |      |
| <input type="checkbox"/> | <a href="#">CiscoUM1-VI4</a> | Unity 1 - port 1 | <a href="#">Default</a> | <a href="#">Standard SCCP Profile for Auto Registration</a> | Registered with 172.20.236.50 | 172.20.236.253 |      |

Add New Select All Clear All Delete Selected Reset Selected Rows per Page 50

Done Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Find and List Voi... Tera Term: Log CCM\_5.02\_Avaya... CCM5POL~3 - Wor... 2:26 PM



## Voice Mail Port Configuration - 2

Voice Mail Port Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Voice Mail Port Configuration Related Links: Back To Find/List Go

Save X Undo Redo +

**Status**  
Status: Ready

**Device Information**

|                              |                                                         |
|------------------------------|---------------------------------------------------------|
| Registration                 | Registered with Cisco Unified CallManager 172.20.236.50 |
| IP Address                   | 172.20.236.253                                          |
| Port Name*                   | CiscoUM1-VI1                                            |
| Description                  | Unity 1 - port 1                                        |
| Device Pool*                 | Default                                                 |
| Calling Search Space         | rp_phones                                               |
| AAR Calling Search Space     | < None >                                                |
| Location*                    | Hub_None                                                |
| SCCP Phone Security Profile* | Standard SCCP Profile for Auto Registration             |

**Directory Number Information**

|                                           |           |
|-------------------------------------------|-----------|
| Directory Number*                         | 6603      |
| Partition                                 | phones    |
| Calling Search Space                      | rp_phones |
| AAR Group                                 | < None >  |
| Internal Caller ID Display                | VoiceMail |
| Internal Caller ID Display (ASCII format) | VoiceMail |
| External Number Mask                      |           |

Save Delete Copy Reset Add New

**i** \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Voice Mail Port ... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor... Local intranet 2:26 PM



## Message Waiting (MWI) Configuration - 1

Find and List Message Waiting Numbers - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

### Find and List Message Waiting Numbers

+ - X

**Status**  
2 records found

**Search Options**  
Find Message Waiting Numbers where Directory Number begins with Find Search Within Results  
and where Message Waiting Indicator is Both  
(numplan.dnorpattern begins with any)

**Search Results**

|                          | Directory Number | Description | Partition | Calling Search Space | Copy |
|--------------------------|------------------|-------------|-----------|----------------------|------|
| <input type="checkbox"/> | 8001             |             | phones    | rp_phones            |      |
| <input type="checkbox"/> | 8002             |             | phones    | rp_phones            |      |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Find and List Me... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor... 2:27 PM



## Message Waiting (MWI) Configuration - 2

Message Waiting Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Message Waiting Configuration Related Links: Back To Find/List Go

Save X Delete +

**Status**  
Status: Ready

**Message Waiting Information**

Message Waiting Number\* 5001

Partition phones

Description

Message Waiting Indicator\* ☒ On ☐ Off

Calling Search Space rp\_phones

Save Delete Copy Add New

**i** \*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Message Waitin... Tera Term: Log CCM\_5.02\_Avaya... CCM5.02 - Wor... Local intranet 2:29 PM



### Message Waiting (MWI) Configuration - 3

Message Waiting Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Message Waiting Configuration Related Links: Back To Find/List Go

Save X Delete +

**Status**  
Status: Ready

**Message Waiting Information**

Message Waiting Number\* 0002

Partition phones

Description

Message Waiting Indicator\* ☐ On ☒ Off

Calling Search Space rp\_phones

Save Delete Copy Add New

**i** \*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Message Waitin... Tera Term: Log CCM\_5.02\_Avaya... CCM5POL~3 - Wor... 2:30 PM



## Voice Mail Profile Configuration - 1

Find and List Voice Mail Profiles - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

**Find and List Voice Mail Profiles**

+ - X

**Status**  
5 records found

**Search Options**  
Find Voice Mail Profile where Voice Mail Profile Name begins with  **Find** ☐ Search Within Results  
(voicemailprofile.name begins with any)

**Search Results**

|                          | Name                        | Description                     | Pilot                | Calling Search Space | Copy |
|--------------------------|-----------------------------|---------------------------------|----------------------|----------------------|------|
| <input type="checkbox"/> | <a href="#">Audix</a>       | Audix voicemail on Avaya PBX    | <a href="#">1600</a> | rp_phones            |      |
| <input type="checkbox"/> | <a href="#">Default</a>     | Default voice messaging profile | <a href="#">5100</a> | rp_phones            |      |
| <input type="checkbox"/> | <a href="#">NoVoiceMail</a> | No Voice Mail                   |                      |                      |      |
| <input type="checkbox"/> | <a href="#">Unity1</a>      | Unity1 voicemail                | <a href="#">4050</a> | tp_phones_rp         |      |
| <input type="checkbox"/> | <a href="#">iDiver_test</a> |                                 | <a href="#">2104</a> | rp_phones            |      |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Find and List Voi... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor... 2:32 PM



## Voice Mail Profile Configuration - 2

Voice Mail Profile Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Voice Mail Profile Configuration Related Links: Back To Find/List Go

**Status**  
Status: Ready

**Voice Mail Profile Information**  
Voice Mail Profile Audix (used by 0 devices)  
Voice Mail Profile Name\* Audix  
Description Audix voicemail on Avaya PBX  
Voice Mail Pilot\*\* 1600/rp\_phones  
Voice Mail Box Mask  
☐ Make this the default Voice Mail Profile for the System

Save Delete Copy Reset Add New

 \*- indicates required item.  
 \*\*- The Voice Mail Pilot is comprised of the Voice Mail Pilot Number and it's corresponding Calling Search Space Name (< Voice Mail Pilot Number >/< Calling Search Space >).

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Voice Mail Profil... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor... Local intranet 2:33 PM



### Voice Mail Profile Configuration - 3

Voice Mail Profile Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Voice Mail Profile Configuration Related Links: Back To Find/List Go

Save X Print Refresh Add

**Status**  
Status: Ready

**Voice Mail Profile Information**  
Voice Mail Profile Unity1 (used by 42 devices)  
Voice Mail Profile Name\* Unity1  
Description Unity1 voicemail  
Voice Mail Pilot\*\* 4050/tp\_phones\_rp  
Voice Mail Box Mask  
☒ Make this the default Voice Mail Profile for the System

Save Delete Copy Reset Add New

**i** \*- indicates required item.  
**i** \*\*- The Voice Mail Pilot is comprised of the Voice Mail Pilot Number and it's corresponding Calling Search Space Name (< Voice Mail Pilot Number >/< Calling Search Space >).

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Voice Mail Profil... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor... 2:37 PM



## Voice Mail Pilot Configuration - 1

Find and List Voice Mail Pilots - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

**Find and List Voice Mail Pilots**

+ - X

**Status**  
7 records found

**Search Options**  
Find Voice Mail Pilots where Voice Mail Pilot Number begins with Find

**Search Results**

| Pilot Number                             | Description                           | Calling Search Space         |
|------------------------------------------|---------------------------------------|------------------------------|
| <input type="checkbox"/>                 | <a href="#">No Voice Mail Default</a> |                              |
| <input type="checkbox"/> 1600            | <a href="#">Audix</a>                 | <a href="#">rp_phones</a>    |
| <input type="checkbox"/> 2104            |                                       | <a href="#">rp_phones</a>    |
| <input checked="" type="checkbox"/> 4050 | <a href="#">Unity1</a>                | <a href="#">tp_phones_rp</a> |
| <input type="checkbox"/> 5050            | <a href="#">Octel 200</a>             | <a href="#">rp_phones</a>    |
| <input type="checkbox"/> 5100            | <a href="#">Octel 250</a>             | <a href="#">rp_phones</a>    |

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Find and List Voi... Tera Term: Log CCM\_5.02\_Avaya... CCMPolaris\_5\_Call... 2:21 PM



## Voice Mail Pilot Configuration - 2

Voice Mail Pilot Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Voice Mail Pilot Configuration Related Links: Back To Find/List Go

**Status**  
Status: Ready

**Voice Mail Pilot Information**

Voice Mail Pilot Number

Calling Search Space

Description

☐ Make this the default Voice Mail Pilot for the system

Save Delete Add New

\*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Voice Mail Pilot ... Tera Term: Log CCM\_5.02\_Avaya... CCM5.02 - Wor... Local intranet 2:24 PM



### Voice Mail Pilot Configuration - 3

Voice Mail Pilot Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Voice Mail Pilot Configuration Related Links: Back To Find/List Go

**Status**  
Status: Ready

**Voice Mail Pilot Information**

Voice Mail Pilot Number

Calling Search Space

Description

☒ Make this the default Voice Mail Pilot for the system

Save Delete Add New

\*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Voice Mail Pilot ... Tera Term: Log CCM\_5.02\_Avaya... CCM5.02 - Wor... Local intranet 2:25 PM



## CallBack Softkey Template - 1

Find and List Softkey Templates - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

### Find and List Softkey Templates

+ - X

**Status**  
6 records found

**Search Options**  
Find Softkey Template where Name begins with Find Search Within Results  
and where Softkey Template is Both  
(softkeytemplate.name begins with any)

**Search Results**

|                          | Name                                              | Description                                       | Copy |
|--------------------------|---------------------------------------------------|---------------------------------------------------|------|
| <input type="checkbox"/> | <a href="#">Qsig Custom</a>                       | Standard Softkey Template for CM QSIG Features    |      |
| <input type="checkbox"/> | <a href="#">Standard Feature</a>                  | Standard Softkey Template for CM Combined Feature |      |
| <input type="checkbox"/> | <a href="#">Standard IPMA Assistant</a>           | Standard template for IPMA assistant interface    |      |
| <input type="checkbox"/> | <a href="#">Standard IPMA Manager</a>             | Standard template for IPMA manager interface      |      |
| <input type="checkbox"/> | <a href="#">Standard IPMA Shared Mode Manager</a> | Standard template for IPMA shared mode manager    |      |
| <input type="checkbox"/> | <a href="#">Standard User</a>                     | Standard Softkey Template for CallManager only    |      |

Add New Select All Clear All Delete Selected Rows per Page 50

Done Local intranet 2:48 PM

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Find and List Sof... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~3 - Wor...



## CallBack Softkey Template - 2

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Configure Softkey Layout Go

Save X Add New

**Status**  
Status: Ready

**Softkey Template Information**

|               |                                                |
|---------------|------------------------------------------------|
| Name*         | Qsig Custom                                    |
| Description   | Standard Softkey Template for CM QSIG Features |
| Applications* | Cisco CallManager                              |

Add Application Remove Application

Save Delete Copy Add New Reset

i \*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 2:48 PM



### CallBack Softkey Template - 3

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: On Hook

| Unselected Softkeys                   | Selected Softkeys (ordered by position)** |
|---------------------------------------|-------------------------------------------|
| Conference List (ConfList)            | Redial (Redial)                           |
| Direct Transfer (DirTrfr)             | **NewCall (NewCall)                       |
| Group Pick Up (GPickUp)               | End Call (EndCall)                        |
| Immediate Divert (iDivert)            | Forward All (CfwdAll)                     |
| Join (Join)                           | Call Back (CallBack)                      |
| Meet Me (MeetMe)                      |                                           |
| Other Pickup (oPickup)                |                                           |
| Pick Up (PickUp)                      |                                           |
| Quality Report Tool (QRT)             |                                           |
| Remove Last Conference Party (RmLstC) |                                           |
| Select (Select)                       |                                           |
| Undefined (Undefined)                 |                                           |
| Video Mode Command (VidMode)          |                                           |

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:15 PM



## CallBack Softkey Template - 4

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Connected

| Unselected Softkeys        | Selected Softkeys (ordered by position)** |
|----------------------------|-------------------------------------------|
| Immediate Divert (iDivert) | Hold (Hold)                               |
| Quality Report Tool (QRT)  | **End Call (EndCall)                      |
| Undefined (Undefined)      | Transfer (Trnsfer)                        |
|                            | Park (Park)                               |
|                            | Conference (Confrm)                       |
|                            | Conference List (Conflist)                |
|                            | Select (Select)                           |
|                            | Join (Join)                               |
|                            | Direct Transfer (DirTrfr)                 |
|                            | Toggle Malicious Call Trace (MCID)        |
|                            | Remove Last Conference Party (RmLstC)     |
|                            | Video Mode Command (VidMode)              |

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 2:49 PM



## CallBack Softkey Template - 5

Softkey Template Configuration - Microsoft Internet Explorer

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: On Hold

Unselected Softkeys  
Immediate Divert (iDivert)  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
\*\*Resume (Resume)  
NewCall (NewCall)  
Direct Transfer (DirTrfr)  
Select (Select)  
Join (Join)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Contains commands for working with the selected items.

Start Tera Term - COM1... Tera Term - [disco... CCM\_5\_02 Testing Softkey Templa... Tera Term: Log CCM\_5\_02\_Avaya... CCMPOL~4 - Wor... 2:49 PM



## CallBack Softkey Template - 6

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure Ring In

Unselected Softkeys  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
Answer (Answer)  
Immediate Divert (Divert)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 2:56 PM



## CallBack Softkey Template - 7

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Off Hook

| Unselected Softkeys    | Selected Softkeys (ordered by position)** |
|------------------------|-------------------------------------------|
| Other Pickup (oPickup) | Redial (Redial)                           |
| Undefined (Undefined)  | **End Call (EndCall)                      |
|                        | Forward All (CfwdAll)                     |
|                        | Pick Up (PickUp)                          |
|                        | Group Pick Up (GPickUp)                   |
|                        | Meet Me (MeetMe)                          |

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... Local intranet 2:57 PM



## CallBack Softkey Template - 8

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Connected Transfer

Unselected Softkeys  
Call Back (CallBack)  
Quality Report Tool (QRT)  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
Undefined (Undefined)  
End Call (EndCall)  
\*\*Transfer (Trnsfer)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 2:57 PM



## CallBack Softkey Template - 9

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Digits After First

Unselected Softkeys  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
\*\*Backward (<<)  
End Call (EndCall)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:12 PM



## CallBack Softkey Template - 10

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

**Softkey Layout Configuration**  
Softkey Template: Qsig Custom  
Select a call state to configure: Connected Conference

Unselected Softkeys  
Quality Report Tool (QRT)  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
Undefined (Undefined)  
End Call (EndCall)  
\*\*Conference (Confm)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:12 PM



## CallBack Softkey Template - 11

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure Ring Out

Unselected Softkeys  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
\*\*End Call (EndCall)  
Direct Transfer (DirTrfr)  
Call Back (CallBack)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:13 PM



## CallBack Softkey Template - 12

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Off Hook With Feature

Unselected Softkeys  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
Redial (Redial)  
\*\*End Call (EndCall)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:13 PM



## CallBack Softkey Template - 13

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Qsig Custom  
Select a call state to configure: Remote In Use

Unselected Softkeys

Selected Softkeys (ordered by position)\*\*  
Barge (Barge)  
NewCall (NewCall)  
Conference Barge (cBarge)

Save Reset

\*- indicates required item.  
\*\*- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM\_5.02 Testing Softkey Templa... Tera Term: Log CCM\_5.02\_Avaya... CCMPOL~4 - Wor... 3:14 PM



## CallBack Softkey Template 1

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print

Address <https://172.20.235.254/ccmadmin/softkeyTemplateLayoutEdit.do?key=2ccfd772-206d-2a91-cf58-49b0dbe383e4&callState=9> Go

Navigation Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCM

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help

Softkey Template Configuration Related Links: Softkey Template Configuration

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Standard User With Callback  
Select a call state to configure: Off Hook With Feature

Unselected Softkeys  
Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*  
Redial (Redial)  
\*\*End Call (EndCall)

Save Reset

Done Local intranet

Start A. VR. S. T. n. T. C. L. t. Q. p. M. D. C. C. 9:01 AM



## CallBack Softkey Template 2

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print

Address <https://172.20.235.254/ccmadmin/softkeyTemplateLayoutEdit.do?key=2ccfd772-206d-2a91-cf58-49b0dbe383e4&callState=10> Go

Navigation Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCM

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help

Softkey Template Configuration Related Links: Softkey Template Configuration

Status  
Status: Ready

Softkey Layout Configuration  
Softkey Template: Standard User With Callback  
Select a call state to configure: Remote In Use

Unselected Softkeys  
Conference Barge (cBarge)

Selected Softkeys (ordered by position)\*\*  
Barge (Barge)  
NewCall (NewCall)

Save Reset

Done Local intranet

Start A. VR. S. T. n. T. C. L. t. Q. p. M. D. C. C. 9:01 AM



## PSTN Route Pattern Configuration - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Route Pattern Configuration Related Links: Back To Find/List Go

Status  
Status: Ready

**Pattern Definition**

Route Pattern\* 96503646325

Route Partition route\_p

Description

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence\* Default

Gateway/Route List\* S2/DS1-0@CMM-POLARIS (Edit) Find

Route Option  
☒ Route this pattern  
☐ Block this pattern No Error

Call Classification\* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Desktop Route Pattern Confi... CCM\_5.02\_Avaya\_T1\_... 12:50 PM



## PSTN Configuration - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address <https://172.20.235.254/ccmadmin/routePattern2Edit.do?key=e8ee644d-6929-6e8e-fffb-8496ad2a9b7e> Go Links

☐ Require Client Matter Code

**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**

Network Service Protocol

Carrier Identification Code

| 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"/>    |

Save Delete Copy Add New

\*- indicates required item.

Done

Start Micros... Prese... Route... Away... Remo... Cisco ... Rout... C:\Do... 41543... Docu... Local intranet

2:52 PM



## Cisco CMM Gateway Configuration

Current configuration : 4359 bytes

```
!  
version 12.4  
no service pad  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname CMM-POLARIS  
!  
boot-start-marker  
boot system bootflash:wscmm-ipvoicek9-mz.124-8.bin  
boot-end-marker  
!  
logging buffered 1000000 debugging  
no logging console  
!  
no aaa new-model  
!  
resource policy  
!  
mmi polling-interval 60  
mmi auto-configure  
no mmi pvc  
mmi snmp-timeout 180  
ip tcp synwait-time 13  
!  
ip host CM-MARS 172.20.231.254  
ip host CM-VENUS 172.20.214.254  
!  
isdn switch-type primary-4ess  
!  
!  
controller T1 1/0  
framing esf  
linecode b8zs  
pri-group timeslots 1-24 service mgcp  
!  
controller T1 1/1  
framing esf  
linecode b8zs
```



```
pri-group timeslots 1-24 service mgcp
!
controller T1 1/2
 framing esf
 linecode b8zs
 pri-group timeslots 1-24 service mgcp
!
controller T1 1/3
 framing esf
 linecode b8zs
 pri-group timeslots 1-24
!
controller T1 1/4
 framing esf
 linecode b8zs
 pri-group timeslots 1-24 service mgcp
!
controller T1 1/5
 framing esf
 linecode b8zs
 pri-group timeslots 1-24 service mgcp
!
controller E1 2/0
 pri-group timeslots 1-31 service mgcp
!
controller E1 2/1
!
controller E1 2/2
!
controller E1 2/3
!
controller E1 2/4
 pri-group timeslots 1-31 service mgcp
!
controller E1 2/5
!
!
interface GigabitEthernet1/0
 ip address 172.20.236.170 255.255.255.0
 no ip proxy-arp
 no negotiation auto
 no keepalive
```



```
!  
interface Serial1/0:23  
no ip address  
encapsulation hdlc  
no logging event link-status  
isdn switch-type primary-qsig  
isdn incoming-voice voice  
isdn bind-l3 ccm-manager  
isdn bchan-number-order ascending  
no cdp enable  
!  
interface Serial1/1:23  
no ip address  
encapsulation hdlc  
no logging event link-status  
isdn switch-type primary-qsig  
isdn protocol-emulate network  
isdn incoming-voice voice  
isdn T310 120000  
isdn bind-l3 ccm-manager  
no cdp enable  
!  
interface Serial1/2:23  
no ip address  
encapsulation hdlc  
no logging event link-status  
isdn switch-type primary-qsig  
isdn incoming-voice voice  
isdn bind-l3 ccm-manager  
isdn bchan-number-order ascending  
no cdp enable  
!  
interface Serial1/3:23  
no ip address  
encapsulation hdlc  
no logging event link-status  
isdn switch-type primary-qsig  
isdn incoming-voice voice  
isdn bchan-number-order ascending  
no cdp enable  
!  
interface Serial1/4:23
```



```
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial1/5:23
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial2/0:15
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial2/4:15
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
ip default-gateway 172.20.236.1
ip route 0.0.0.0 0.0.0.0 172.20.236.1
!
no ip http server
no ip http secure-server
!
!
```



```
control-plane
!
!
voice-port 1/0:23
!
voice-port 1/1:23
!
voice-port 1/2:23
!
voice-port 1/3:23
!
voice-port 1/4:23
!
voice-port 1/5:23
!
voice-port 2/0:15
!
voice-port 2/4:15
!
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server 172.20.236.50
ccm-manager config
!
mgcp
mgcp call-agent 172.20.236.50 2427 service-type mgcp version 0.1
mgcp dtmf-relay voip codec all mode out-of-band
mgcp rtp unreachable timeout 1000 action notify
mgcp modem passthrough voip mode nse
mgcp package-capability rtp-package
no mgcp package-capability res-package
mgcp package-capability sst-package
mgcp package-capability pre-package
no mgcp timer receive-rtcp
mgcp sdp simple
mgcp fax t38 inhibit
mgcp rtp payload-type g726r16 static
!
mgcp profile default
!
!
!
```



```
!  
dial-peer voice 1 pots  
  service mgcpapp  
  port 1/0:23  
!  
dial-peer voice 2 pots  
  service mgcpapp  
  port 1/1:23  
!  
dial-peer voice 3 pots  
  service mgcpapp  
  port 1/2:23  
!  
dial-peer voice 4 pots  
  service mgcpapp  
!  
dial-peer voice 5 pots  
  service mgcpapp  
  port 1/4:23  
!  
dial-peer voice 6 pots  
  service mgcpapp  
  port 1/5:23  
!  
!  
line con 0  
  transport output all  
line vty 0 4  
  login  
  transport input all  
  transport output all  
!  
!  
end
```

CMM-POLARIS#





```
!  
!  
controller E1 4/0  
framing NO-CRC4  
pri-group timeslots 1-31  
!  
controller E1 4/1  
!  
translation-rule 1  
Rule 1 914085275004 5004  
Rule 2 914085275004 5005  
!  
!  
!  
!  
interface FastEthernet0/0  
ip address 172.20.33.52 255.255.255.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
no ip address  
shutdown  
duplex auto  
speed auto  
!  
interface Serial4/0:15  
no ip address  
isdn switch-type primary-ni  
isdn incoming-voice voice  
isdn bchan-number-order ascending  
no cdp enable  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 172.20.31.1  
ip route 0.0.0.0 0.0.0.0 FastEthernet0/0  
ip route 0.0.0.0 0.0.0.0 172.20.33.1  
!  
ip http server  
!  
!  
!  
!  
control-plane  
!  
!  
!  
voice-port 2/0/0  
station-id name Yahoo-PSTN  
!  
voice-port 2/0/1  
!  
voice-port 4/0:15  
!  
!  
no mgcp package-capability res-package  
no mgcp package-capability fxr-package  
no mgcp timer receive-rtcp  
!
```



```
!  
!  
dial-peer voice 1 pots  
destination-pattern 6503646325  
port 2/0/0  
!  
dial-peer voice 2 pots  
destination-pattern 91408527....  
translate-outgoing called 1  
direct-inward-dial  
port 4/0:15  
!  
!  
line con 0  
line aux 0  
line vty 0 4  
exec-timeout 0 0  
password CISCO  
login  
!  
!  
end
```



## Acronyms

| Acronym | Definitions                                         |
|---------|-----------------------------------------------------|
| ANF-PR  | Additional Network Feature Path Replacement         |
| CCM     | Cisco Unified CallManager                           |
| CCBS    | Call Completion to Busy Subscriber                  |
| CCNR    | Call Completion on No Reply                         |
| CFB     | Call Forwarding on 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                                       |
| MWI     | Message Waiting Indicator                           |
| PSTN    | Public Switched Telephone Network                   |



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