



Avaya S8500 CM3.0 using T1QSIG to Cisco Unified Communications Manager 6.0

July 16, 2007 Initial version

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Introduction

This is an application note for connectivity of Avaya S8500 CM 3.0 PBX with Cisco Unified Communications Manager Release 6.0 using Cisco Communication Media Module CMM-T1 QSIG as MGCP gateway.

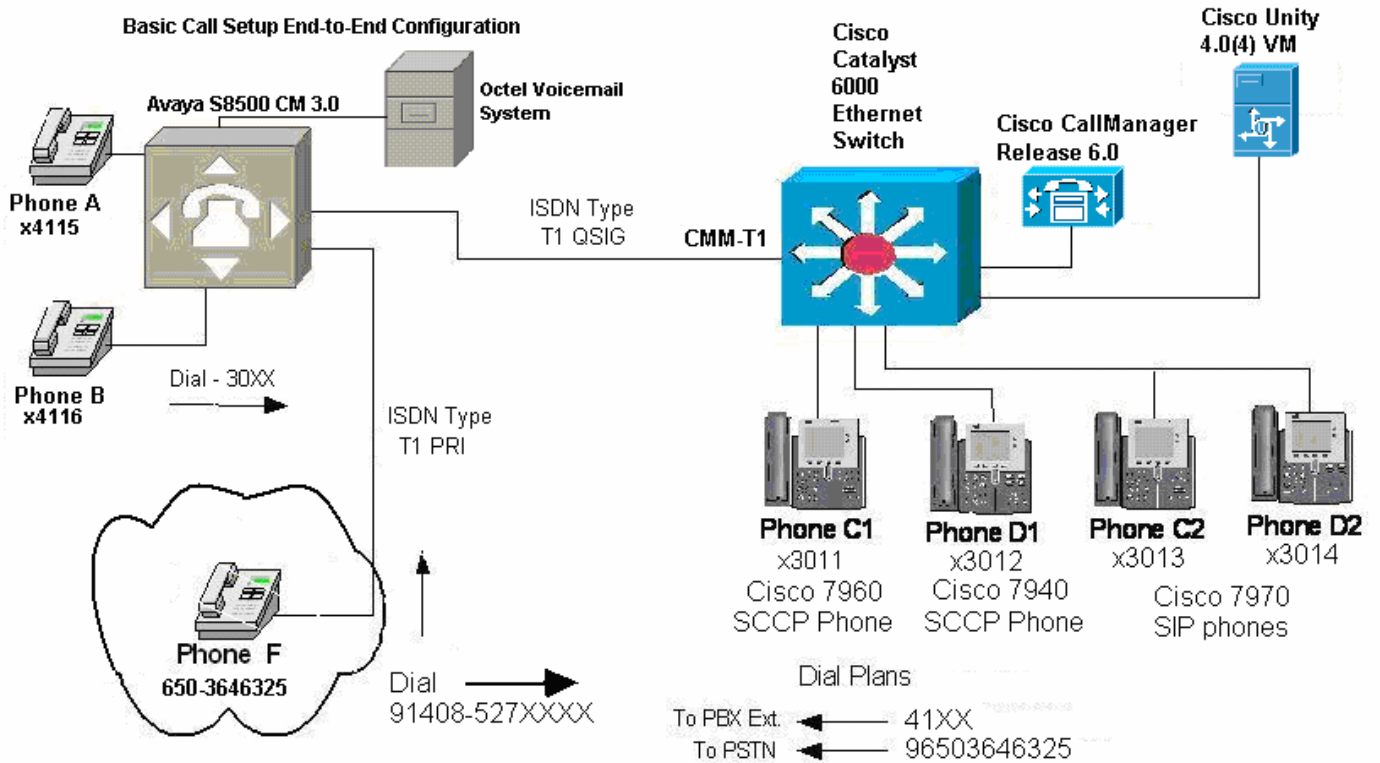
The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with the Cisco Unified Communications Manager connected to the PBX via Cisco Communication Media Module CMM-T1 QSIG link as MGCP gateway.

Connectivity is achieved by using the PRI QSIG T1 protocol type on the MGCP gateway and ISO QSIG switch type on the of Avaya S8500 CM 3.0 PBX.

This Application Note uses the Cisco CMM-T1 voice gateway; however, other Cisco voice gateways are also an option to use since Cisco Unified Communications Manager 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 S8500 CM3.0 PBX cannot perform QSIG Call Forward **By Join** (Unconditional, Busy or No Reply), it automatically performs Call forward **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 S8500 CM 3.0 PBX is the forwarding station and Cisco Unified Communications Manager phones are the originating and final destination phones respectively

As of publication of this Application Note, Rerouting cannot be turned off on the Avaya S8500 CM3.0 PBX

System Components

Hardware Requirements

Cisco Catalyst 6000 switch with CMM-T1 Gateway

Cisco Unified Communications Manager Server

Avaya S8500 CM 3.0 PBX

Software Requirements

Avaya CM 3.0

Cisco Unified Communications Manager 6.0

Cisco IOS for MGCP gateway , Version 12.4(11)T or higher

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)

Sending Busy Name

Configuration

Configuring the Avaya S8500 CM 3.0 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.

Configuring the Avaya PBX

DS1 Circuit pack

The screenshot shows the DEFINITY Site Administration interface for a SIP1 GEDI. The main window displays the configuration for a DS1 Circuit Pack. The configuration details are as follows:

```
DS1 CIRCUIT PACK

Location: 01A10                      Name: CCM6.0
Bit Rate: 1.544                      Line Coding: b8zs
Line Compensation: 1                  Framing Mode: esf
Signaling Mode: isdn-pri             Interface: peer-master
Connect: pbx                          Peer Protocol: Q-SIG
TN-C7 Long Timers? n                 Side: a
Interworking Message: PROGRESS        CRC? n
Interface Companding: mulaw           DCP/Analog Bearer Capability: 3.1kHz
Idle Code: 11111111                  T303 Timer(sec): 4

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




Signaling Group

DEFINITY Site Administration - [SIP1 GEDI]

File Edit View System Action Tools Window Help

SIP1

send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F8) next form (F6)

SIGNALING GROUP

Group Number: 10 Group Type: isdn-pri
Associated Signaling? y Max number of NCA TSC: 10
Primary D-Channel: 01A1024 Max number of CA TSC: 10
Trunk Group for NCA TSC: 10

Trunk Group for Channel Selection: 10
Supplementary Service Protocol: b

Ready NUM

Trunk Group (1 of 3)

DEFINITY Site Administration - [SIP1 GEDI]

File Edit View System Action Tools Window Help

SIP1

display trunk-group 10 send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F8) next form (F6)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

TRUNK GROUP

Group Number: 10 Group Type: isdn CDR Reports: y
Group Name: Tony B CCM6.0 COR: 1 TN: 1 TAC: 810
Direction: two-way Outgoing Display? n Carrier Medium: PRI/BRI
Dial Access? y Busy Threshold: 255 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): overlap/enbloc
Digit Treatment: Digits:
Trunk Hunt: cyclical QSIG Value-Added? n
Digital Loss Group: 13

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

Ready NUM



Trunk Group (2 of 3)

DEFINITY Site Administration - [SIP1 GEDI]

display trunk-group 10

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

TRUNK FEATURES

ACA Assignment? n Measured: none Wideband Support? n
 Internal Alert? y Maintenance Tests? y
 Data Restriction? n NCA-TSC Trunk Member: 1
 Send Name: y Send Calling Number: y
 Used for DCS? n Hop Dgt? n
 Suppress # Outpulsing? n Format: unknown
 Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider

Replace Restricted Numbers? y
 Replace Unavailable Numbers? y
 Send Connected Number: y
 Hold/Unhold Notifications? y
 Modify Tandem Calling Number? n

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

Path Replacement with Retention? n
 Path Replacement Method: better-route
 SBS? n Network (Japan) Needs Connect Before Disconnect? n

Trunk Group (3 of 3)

DEFINITY Site Administration - [SIP1 GEDI]

display trunk-group 10

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

TRUNK GROUP

Administered Members (min/max): 1/10
 Total Administered Members: 10

GROUP MEMBER ASSIGNMENTS

Port	Code	Sfx	Name	Night	Sig Grp
1:	01A1001	TN464	F		10
2:	01A1002	TN464	F		10
3:	01A1003	TN464	F		10
4:	01A1004	TN464	F		10
5:	01A1005	TN464	F		10
6:	01A1006	TN464	F		10
7:	01A1023	TN464	F		10
8:	01A1022	TN464	F		10
9:	01A1021	TN464	F		10
10:	01A1020	TN464	F		10
11:					
12:					
13:					
14:					
15:					



Uniform Dialing Plan

DEFINITY@ Site Administration - [SIP1 GEDI]

File Edit View System Action Tools Window Help

SIP1

display uniform-dialplan 3 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8) next form (f6)

1 2

UNIFORM DIAL PLAN TABLE

Percent Full: 0

Matching		Insert				Node		Matching		Insert				Node						
Pattern	Len	Del	Digits	Net	Conv	Num	Pattern	Len	Del	Digits	Net	Conv	Num	Pattern	Len	Del	Digits	Net	Conv	Num
30	4	0	207	aar	n		5005	4	0	211	aar	n								
3011	4	0	210	aar	n		5012	4	0	211	aar	n								
3012	4	0	210	aar	n		5050	4	0	213	aar	n								
3013	4	0	210	aar	n		5051	4	0	226	aar	n								
3014	4	0	210	aar	n		5099	4	0	224	aar	n								
3020	4	0	210	aar	n		5100	4	0	211	aar	n								
3090	4	0	210	aar	n		53	4	0	207	aar	n								
360	4	0	214	aar	n		54	4	0	207	aar	n								
37	4	0	214	aar	n		60	4	0	224	aar	n								
40	4	0	204	aar	n		6600	4	0	225	aar	n								
4050	4	0	211	aar	n		70	4	0	217	aar	n								
4104	4	0	226	aar	n		72	4	0	214	aar	n								
42	4	0	224	aar	n		73	4	0	214	aar	n								
5002	4	0	204	aar	n															
5003	4	0	204	aar	n															
5004	4	0	211	aar	n															

Ready NUM



AAR Digit Analysis

DEFINITY@ Site Administration - [SIP1 GEDI]

display aar analysis 210

AAR DIGIT ANALYSIS TABLE

Percent Full: 2

Dialed String	Total Min	Total Max	Route Pattern	Call Type	Node Num	ANI Reqd
210	7	7	10	aar		n
211	7	7	11	aar	1	n
213	7	7	13	aar		n
214	7	7	14	aar		n
216	7	7	16	aar		n
217	7	7	17	aar	3	n
221	7	7	11	aar	4	n
222	7	7	21	aar		n
224	7	7	99	aar		n
225	4	4	13	aar		n
226	7	7	13	aar		n
227	7	7	21	aar		n
228	7	7	44	aar		n
3	7	7	999	aar		n
4	4	4	39	aar		n

Route Patterns

DEFINITY@ Site Administration - [SIP1 GEDI]

display route-pattern 10

Pattern Number: 10 Pattern Name:

SCCAN? n Secure SIP? n

Grp No	FRL	NPA	Pfx	Hop	To11	No. Del	Inserted Digits	DCS/ IXC QSIG Intw
1: 10	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	none	rest	unk-unk	none
2:	y	y	y	y	n	n		rest		none
3:	y	y	y	y	n	n		rest		none
4:	y	y	y	y	n	n		rest		none
5:	y	y	y	y	n	n		rest		none
6:	y	y	y	y	n	n		rest		none



Station Configuration (1 of 2)

DEFINTY® Site Administration - [SIP1 GEDI]

File Edit View System Action Tools Window Help

display station 4115 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8) next form (f6)

1 2 3 4

STATION

Extension: 4115 Lock Messages? n BCC: 0
Type: 6408D+ Security Code: TN: 1
Port: 01A0404 Coverage Path 1: 3 COR: 1
Name: Phone A Coverage Path 2: COS: 1
Hunt-to Station:

STATION OPTIONS

Loss Group: 2 Personalized Ringing Pattern: 1
Data Module? n Message Lamp Ext: 4115
Speakerphone: 2-way Mute Button Enabled? y
Display Language: english

Media Complex Ext:
IP SoftPhone? n
Remote Office Phone? n

Ready NUM

Station Configuration (2 of 2)

DEFINTY® Site Administration - [SIP1 GEDI]

File Edit View System Action Tools Window Help

display station 4115 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8) next form (f6)

1 2 3 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? y Bridged Idle Line Preference? n
Bridged Call Alerting? y Restrict Last Appearance? y
Active Station Ringing: single Conf/Trans on Primary Appearance? n

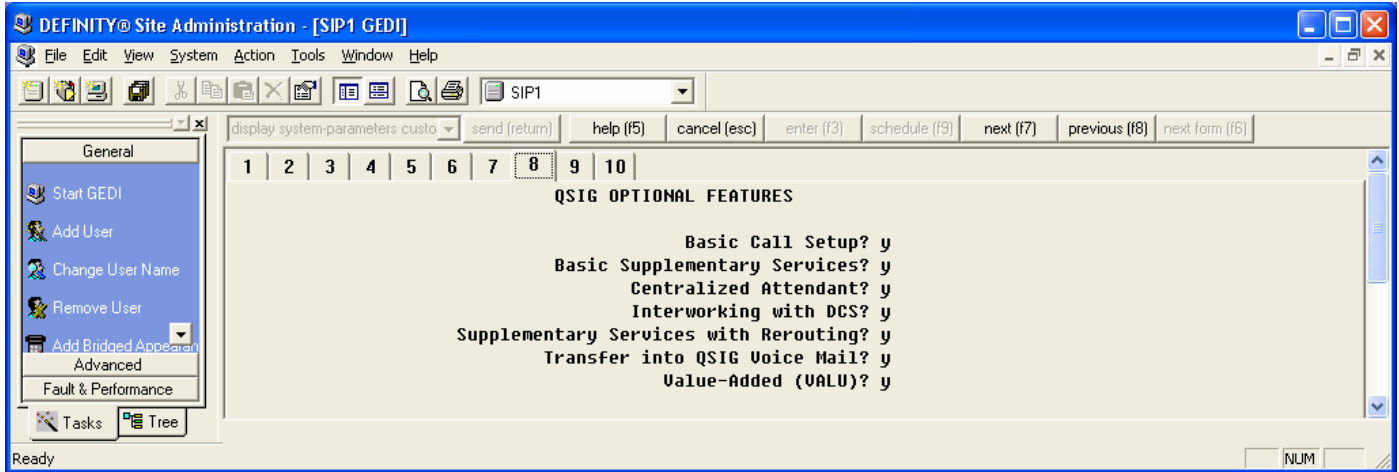
H.320 Conversion? n Per Station CPN - Send Calling Number?
Service Link Mode: as-needed
Multimedia Mode: basic Audible Message Waiting? n
MWI Served User Type: Display Client Redirection? n
AUDIX Name: Select Last Used Appearance? n
Coverage After Forwarding? y
Multimedia Early Answer? n
Direct IP-IP Audio Connections? y
IP Audio Hairpinning? y

Emergency Location Ext: 4115

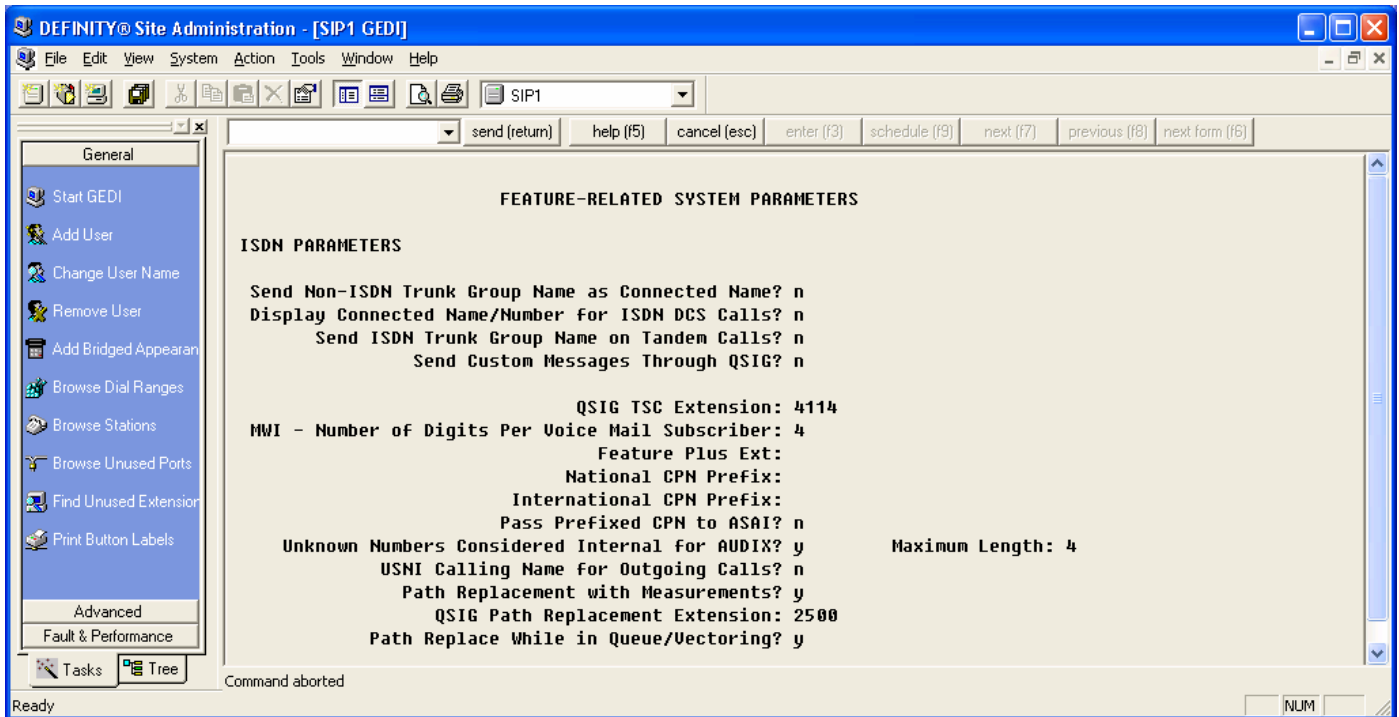
Ready NUM



System Parameters and Customer Options

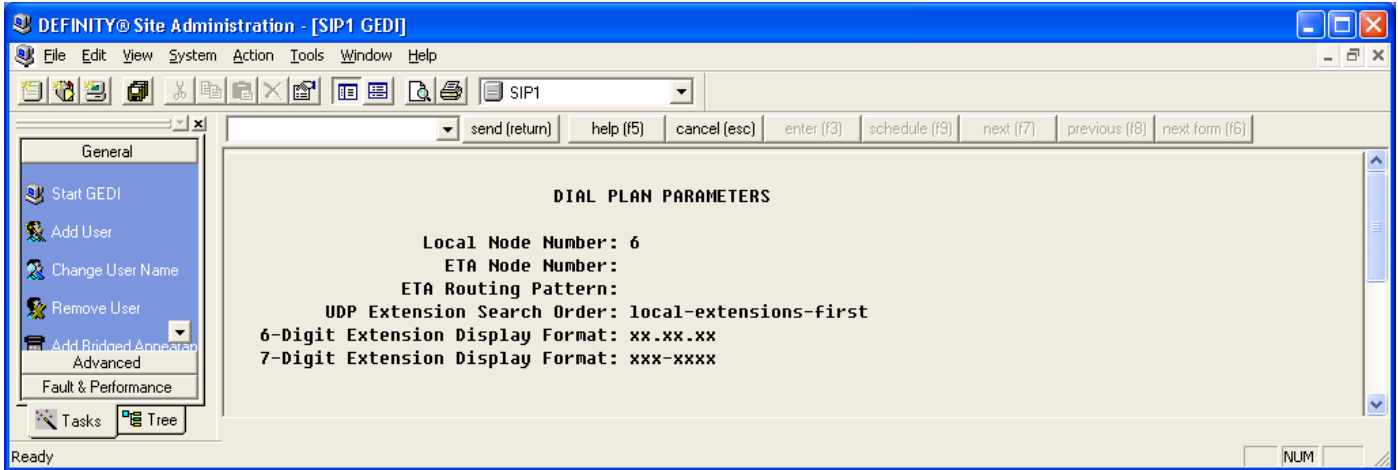


System Parameters Features

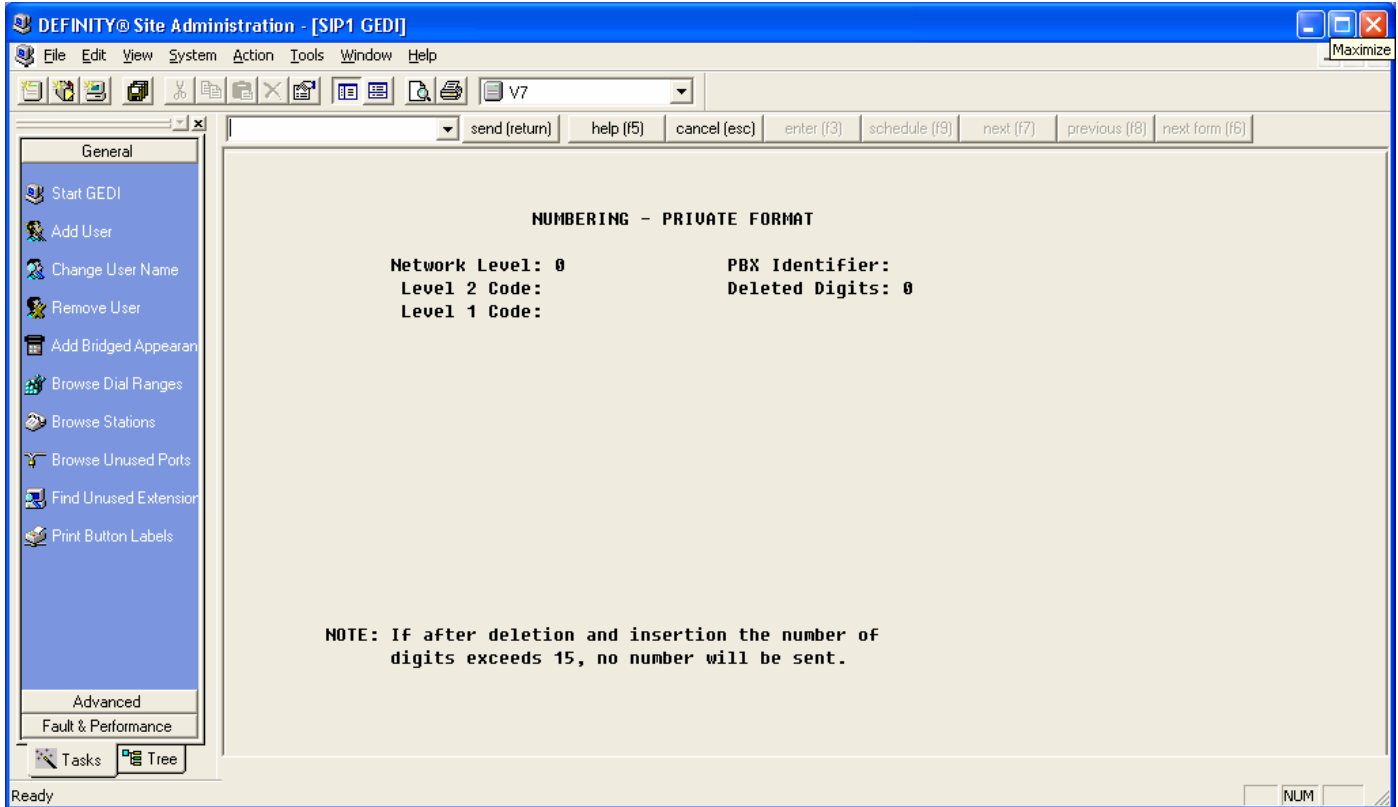




Dial Plan Parameters



ISDN Private Numbering





Feature Access Code (1 of 3)

The screenshot shows the Cisco DEFINTY Site Administration interface for SIP1 GEDI. The main window displays the 'FEATURE ACCESS CODE (FAC)' configuration page. The interface includes a menu bar (File, Edit, View, System, Action, Tools, Window, Help), a toolbar with various icons, and a navigation pane on the left with options like 'Start GEDI', 'Add User', 'Change User Name', 'Remove User', 'Add Bridged Appearance', 'Browse Dial Ranges', 'Browse Stations', 'Browse Unused Ports', 'Find Unused Extension', and 'Print Button Labels'. The main content area shows the following configuration details:

```
1 2 3 4 5 6 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: #8
Attendant Access Code: 0
Auto Alternate Routing (AAR) Access Code: 809
Auto Route Selection (ARS) - Access Code 1: 9
Automatic Callback Activation: *3
Call Forwarding Activation Busy/DA: *8 All: *2
Call Park Access Code: *5
Call Pickup Access Code: *6
CAS Remote Hold/Answer Hold-Unhold Access Code: #1
CDR Account Code Access Code:
Change COR Access Code:
Change Coverage Access Code:
Contact Closure Open Code:
Contact Closure Pulse Code:
Access Code 2:
Deactivation: #3
Deactivation: #2
Close Code:
```




Feature Access Code (2 of 3)

The screenshot shows the DEFINITY Site Administration interface for extension 2. The left sidebar contains a tree view with options like Start GEDI, Add User, Change User Name, Remove User, Add Bridged Appearance, Browse Dial Ranges, Browse Stations, Browse Unused Ports, Find Unused Extension, and Print Button Labels. The main area displays the 'FEATURE ACCESS CODE (FAC)' configuration for extension 2. The configuration includes the following items:

- Data Origination Access Code:
- Data Privacy Access Code:
- Directed Call Pickup Access Code: #5
- Emergency Access to Attendant Access Code:
- EC500 Self-Administration Access Code:
- Enhanced EC500 Activation: 888 Deactivation: 889
- 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: *9
- Leave Word Calling Message Retrieval Lock:
- Leave Word Calling Message Retrieval Unlock:
- Leave Word Calling Send A Message: *4
- Leave Word Calling Cancel A Message: #4
- Malicious Call Trace Activation: Deactivation:
- Meet-me Conference Access Code Change:

Feature Access Code (3 of 3)

The screenshot shows the DEFINITY Site Administration interface for extension 4. The left sidebar is the same as in the previous screenshot. The main area displays the 'FEATURE ACCESS CODE (FAC)' configuration for extension 4. The configuration includes the following items:

- Terminal Translation Initialization Merge Code: Separation Code:
- Transfer to Voice Mail Access Code: #0
- Trunk Answer Any Station Access Code: #6
- User Control Restrict Activation: Deactivation:
- Voice Coverage Message Retrieval Access Code:
- Voice Principal Message Retrieval Access Code:
- Whisper Page Activation Access Code:



PSTN DS1 Circuit Pack

The screenshot displays the DEFINITY Site Administration interface for V7 GEDI. The main window shows the configuration for a DS1 Circuit Pack. The left sidebar contains a 'General' section with various management options like 'Start GEDI', 'Add User', 'Change User Name', 'Remove User', 'Add Bridged Appearance', 'Browse Dial Ranges', 'Browse Stations', 'Browse Unused Ports', 'Find Unused Extension', and 'Print Button Labels'. Below this are 'Advanced' and 'Fault & Performance' sections, and 'Tasks' and 'Tree' buttons at the bottom. The main content area displays the following configuration details:

```
DS1 CIRCUIT PACK

Location: 01A16                               Name: CME testing
Bit Rate: 1.544                               Line Coding: b8zs
Line Compensation: 1                           Framing Mode: esf
Signaling Mode: isdn-pri                       Connect: pbx
                                                Interface: network
TN-C7 Long Timers? n                           Country Protocol: 1
Interworking Message: PROGRESS                 Protocol Version: b
Interface Companding: mulaw                    CRC? n
Idle Code: 11111111                           DCP/Analog Bearer Capability: 3.1kHz

Slip Detection? n                               Near-end CSU Type: other

Block Progress Indicator? n
```



PSTN Signaling Group

The screenshot shows the DEFINITY Site Administration application window. The title bar reads "DEFINITY Site Administration - [V7 GEDI]". The menu bar includes File, Edit, View, System, Action, Tools, Window, and Help. The toolbar contains various icons for file operations and a dropdown menu currently set to "V7". Below the toolbar is a command line with "display signaling-group 16" and several function key shortcuts: send (return), help (F5), cancel (esc), enter (F3), schedule (F9), next (F7), previous (F8), and next form (F6). A tabbed interface shows five tabs, with the first tab selected. The main content area displays the configuration for "SIGNALING GROUP 16".

SIGNALING GROUP

Group Number: 16	Group Type: isdn-pri	
Associated Signaling? y	Max number of NCA TSC: 10	
Primary D-Channel: 01A1624	Max number of CA TSC: 10	
Trunk Group for Channel Selection: 16	Trunk Group for NCA TSC: 16	
Supplementary Service Protocol: a	X-Mobility/Wireless Type: NONE	

The left sidebar contains a "General" section with the following options: Start GEDI, Add User, Change User Name, Remove User, Add Bridged Appearance, Browse Dial Ranges, Browse Stations, Browse Unused Ports, Find Unused Extension, and Print Button Labels. Below this are sections for "Advanced", "Fault & Performance", "Tasks", and "Tree". The status bar at the bottom left shows "Ready" and the bottom right shows "NUM".



PSTN Trunk Group (1 of 3)

The screenshot shows the DEFINITY Site Administration interface for a V7 GEDI system. The main window displays the configuration for Trunk Group 16. The interface includes a menu bar (File, Edit, View, System, Action, Tools, Window, Help), a toolbar with various icons, and a navigation pane on the left with options like Start GEDI, Add User, Change User Name, Remove User, Add Bridged Appearance, Browse Dial Ranges, Browse Stations, Browse Unused Ports, Find Unused Extension, and Print Button Labels. The main area shows the following configuration details:

```
TRUNK GROUP
Group Number: 16          Group Type: isdn          CDR Reports: y
Group Name: Tony's CME testing  COR: 1          TN: 1          TAC: 616
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: a  Digit Handling (in/out): enbloc/enbloc

  Trunk Hunt: ascend              QSIG Value-Added? n
                                   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
```



PSTN Trunk Group (2 of 3)

The screenshot shows the DEFINITY Site Administration interface for a V7 GEDI system. The main window displays the configuration for trunk group 16. The interface includes a menu bar (File, Edit, View, System, Action, Tools, Window, Help), a toolbar with various icons, and a navigation pane on the left with options like Start GEDI, Add User, Change User Name, Remove User, Add Bridged Appearance, Browse Dial Ranges, Browse Stations, Browse Unused Ports, Find Unused Extension, and Print Button Labels. The main area shows the following configuration details:

```
display trunk-group 16
1 2 3 4 5 6 7 8 9 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
  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 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)

The screenshot shows the DEFINITY Site Administration interface for a V7 GEDI system. The main window displays the configuration for Trunk Group 16. The interface includes a menu bar (File, Edit, View, System, Action, Tools, Window, Help), a toolbar, and a left-hand navigation pane with options like Start GEDI, Add User, Change User Name, Remove User, Add Bridged Appearance, Browse Dial Ranges, Browse Stations, Browse Unused Ports, Find Unused Extension, and Print Button Labels. The main content area shows the following information:

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

GROUP MEMBER ASSIGNMENTS

	Port	Code	Sfx	Name	Night	Sig Grp
1:	01A1601	TN464	F			16
2:	01A1602	TN464	F			16
3:	01A1603	TN464	F			16
4:	01A1604	TN464	F			16
5:	01A1623	TN464	F			16
6:	01A1622	TN464	F			16
7:	01A1621	TN464	F			16
8:	01A1620	TN464	F			16
9:	01A1605	TN464	F			16
10:						
11:						
12:						
13:						
14:						
15:						

The interface also shows a status bar at the bottom with the text "Ready" and a "NUM" field.



PSTN ARS Digit Analysis Table

DEFINITY® Site Administration - [V7 GEDI]

File Edit View System Action Tools Window Help

change ars analysis 6 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8) next form (f6)

1 2

ARS DIGIT ANALYSIS TABLE
Location: all Percent Full: 9

Dialed String	Total		Route Pattern	Call Type	Node Num	ANI Req'd
	Min	Max				
650	10	10	16	natl		n
9	28	28	12	natl		n
						n
						n
						n
						n
						n
						n
						n
						n
						n
						n
						n
						n
						n
						n

Advanced
Fault & Performance

Tasks Tree

Ready

NUM

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



PSTN Route Pattern

DEFINITY® Site Administration - [V7 GEDI]

File Edit View System Action Tools Window Help

send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F8) next form (F6)

General

- Start GEDI
- Add User
- Change User Name
- Remove User
- Add Bridged Appearance
- Browse Dial Ranges
- Browse Stations
- Browse Unused Ports
- Find Unused Extension
- Print Button Labels

Advanced

Fault & Performance

Tasks Tree

Pattern Number: 16 Pattern Name:

Grp No	FRL	NPA	Pfx	Hop	To11	No. Del	Inserted Dgts	DCS/ IXC	IXC
								QSIG	Intw
1:	16	0					0	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	LAR
0	1	2	3	4	W	Request		Format	Subaddress	
1:	y	y	y	y	n	y	as-needed	rest		next
2:	y	y	y	y	n	n		rest		none
3:	y	y	y	y	n	n		rest		none
4:	y	y	y	y	n	n		rest		none
5:	y	y	y	y	n	n		rest		none
6:	y	y	y	y	n	n		rest		none

Ready

NUM



Configuring Cisco Unified Communications Manager

Cisco Unified Communications Manager Release version

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration

System version: 6.0.1.1000-37

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A summary of U.S. laws governing Cisco cryptographic products may be found at: <http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>.
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Gateway Configuration - 1

Find and List Gateway - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail People

Address <https://172.20.110.254:8443/ccmadmin/gatewayFindList.do> Go Links

Google C Go 0 blocked Check AutoLink AutoFill Send to Settings

Cisco Unified CM Administration For Cisco Unified Communications Solutions Navigation Cisco Unified CM Administration Go

CCMAdministrator About Logout

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

Find and List Gateway

+ Add New Select All Clear All Delete Selected Reset Selected

Status

1 records found

Gateways (1 - 1 of 1)

Rows per Page 50

Find Gateways where Name begins with tony Hide endpoints Find Clear Filter + -

Select item or enter search text

<input type="checkbox"/>	Device Name	Description	Device Pool	Calling Search Space	Extension	Partition	Route Group	Priority	Port	Device Type	Status	IP Address
<input type="checkbox"/>	tonycmm	tonycmm								Communication Media Module		See Endpoints

Add New Select All Clear All Delete Selected Reset Selected

Local intranet



Gateway Configuration - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser title is "Gateway Configuration - Microsoft Internet Explorer". The address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/gatewayEdit.do?key=d09c9805-9ee8-6580-8f75-c73eb32a4149`. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu contains: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "Gateway Configuration" and includes a "Related Links" section with "Back To Find/List". Below this are action buttons: Save, Delete, Reset, and Add New. The "Status" section shows "Status: Ready". The "Gateway Details" section contains the following information:

Product	Communication Media Module
Gateway	tonycmm
Protocol	MGCP
Domain Name*	<input type="text" value="tonycmm"/>
Description	<input type="text" value="tonycmm"/>
Cisco Unified Communications Manager Group*	<input type="text" value="Default"/>

The "Configured Slots, VICs and Endpoints" section shows:

- Module in Slot 1: WS-X6600
- Subunit 0: WS-X6600-6T1
- Endpoints: 1/0 (T1PRI), 1/1 (T1PRI), 1/2 (T1PRI), 1/3 (T1PRI), 1/4 (T1PRI), 1/5 (T1PRI)
- Module in Slot 2: < None >
- Module in Slot 3: < None >
- Module in Slot 4: < None >

The "Product Specific Configuration Layout" section is currently empty. The browser's status bar shows "Local intranet".



Gateway Configuration - 3

The screenshot shows the Cisco Unified CM Administration interface in Microsoft Internet Explorer. The browser window title is "Gateway Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/gatewayEdit.do?key=0de99d92-d058-6b55-d003-7c0b028c0854>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "Gateway Configuration" and includes a "Related Links" section with a link to "Back to MGCP Configuration". Below this are "Save", "Delete", and "Reset" buttons. The "Status" section shows "Status: Ready". The "Device Information" section contains the following details:

Product	Cisco MGCP T1 Port
Gateway	tonycmm
Device Protocol	Digital Access PRI
Registration	Registered with Cisco Unified Communications Manager CM-BARZA
IP Address	172.20.8.253
End-Point Name *	S1/DS1-0@tonycmm
Description	<input type="text" value="S1/DS1-0@tonycmm"/>
Device Pool*	<input type="text" value="Default"/>
Common Device Configuration	<input type="text" value="MigratedCommonDeviceConfig1"/>
Call Classification*	<input type="text" value="Use System Default"/>
NetworkLocale	<input type="text" value="< None >"/>
Media Resource Group List	<input type="text" value="< None >"/>
Location*	<input type="text" value="Hub_None"/>
AAR Group	<input type="text" value="< None >"/>
Load Information	<input type="text" value=""/>



Gateway Configuration - 4

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address <https://172.20.110.254:8443/ccmadmin/gatewayEdit.do?key=0de99d92-d058-6b55-d003-7c0b028c0854> Go Links

Google Go 0 blocked Check AutoLink AutoFill Send to Settings

Cisco Unified CM Administration For Cisco Unified Communications Solutions Navigation Cisco Unified CM Administration Go

CCMAdministrator About Logout

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

Gateway Configuration Related Links: Back to MGCP Configuration Go

Save Delete Reset

Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain < None >

MLPP Indication Off

MLPP Preemption Disabled

Interface Information

PRI Protocol Type* PRI ISO QSIG T1

Protocol Side* User

Channel Selection Order* Top Down

Channel IE Type* Timeslot Number

PCM Type* μ -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

Done Local intranet



Gateway Configuration - 5

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Mail Print People

Address <https://172.20.110.254:8443/ccmadmin/gatewayEdit.do?key=0de99d92-d058-6b55-d003-7c0b028c0854> Go Links >>

Google C Go 0 blocked Check AutoLink AutoFill Send to Settings

Cisco Unified CM Administration For Cisco Unified Communications Solutions Navigation Cisco Unified CM Administration Go

CCMAdministrator About Logout

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

Gateway Configuration Related Links: [Back to MGCP Configuration](#) Go

Save Delete Reset

Call Routing Information - Inbound Calls

Significant Digits*	All
Calling Search Space	Incoming TrunkCSS
AAR Calling Search Space	< None >
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

Done Local intranet



Gateway Configuration - 6

The screenshot shows the Cisco Unified CM Administration interface for Gateway Configuration. The browser window title is "Gateway Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccadmin/gatewayEdit.do?key=0de99d92-d058-6b55-d003-7c0b028c0854>. The page header includes the Cisco logo, "Cisco Unified CM Administration", and "For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Gateway Configuration", with a "Related Links" section containing "Back to MGCP Configuration".

Below the navigation, there are buttons for "Save", "Delete", and "Reset". The main configuration area is divided into three sections:

- 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 Layout**:
 - Line Coding*
 - Framing*

The bottom of the browser window shows the status bar with "Done" and "Local intranet".



Gateway Configuration - 7

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccadmin/gatewayEdit.do?key=0de99d92-d058-6b55-d003-7c0b028c0854> Go Links

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Gateway Configuration Related Links: [Back to MGCP Configuration](#) Go

Save Delete Reset

Product Specific Configuration Layout ?

Line Coding*	B8ZS
Framing*	ESF
Clock*	External
Input Gain (-6..14 db)*	0
Output Attenuation (-6..14 db)*	0
Echo Cancellation Enable*	Enable
Echo Cancel Coverage (ms)*	64

Save Delete Reset

- *- 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 Local intranet



SCCP Phone Configuration - 1

The screenshot displays the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/cmadmin/deviceEdit.do?key=6b436139-e626-4aec-95dd-a2ec422e4f4b`. The page title is "Phone Configuration - Microsoft Internet Explorer".

The interface includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, and Bulk Administration. The current page is "Phone Configuration" for a Cisco 7940 device. The status is "Ready".

The main configuration area is divided into two sections:

- Association Information:** A list of associated items with a "Modify Button Items" button. The list includes:
 - Line [1] - 3012 in Phones
 - Line [2] - 8002 in Phones
 - Line [3] - Add a new DN
 - Add a new SD
 - Add a new SURL
 - Add a new BLF SD
 - Add a new BLF Directed Call Park
 - Privacy
 - None
- Phone Type:** Product Type: Cisco 7940, Device Protocol: SCCP.
- Device Information:** A table of configuration parameters for the device.

Field	Value	Actions
Registration	Registered with Cisco Unified Communications Manager CM-BARZA	
IP Address	172.20.110.252	
MAC Address*	000C303B28F4	
Description	Auto 3012	
Device Pool*	Default	View Details
Common Device Configuration	MigratedCommonDeviceConfig1	View Details
Phone Button Template*	SEP00C303B28F4-SCCP-Individual Template	
Softkey Template	Standard User_CallBack	
Common Phone Profile*	Standard Common Phone Profile	
Calling Search Space	< None >	
AAR Calling Search Space	< None >	
Media Resource Group List	< None >	
User Hold MOH Audio Source	< None >	
Network Hold MOH Audio Source	< None >	
Location*	Hub_None	
AAR Group	< None >	
User Locale	< None >	
Network Locale	< None >	
Built In Bridge*	Default	
Privacy*	Default	
Device Mobility Mode*	Default	View Current Device Mobility Settings
Owner User ID	< None >	



SCCP Phone Configuration - 2

The screenshot shows the Cisco Unified CM Administration interface for configuring an SCCP phone. The browser window is titled "Phone Configuration - Microsoft Internet Explorer" and the address bar shows the URL: <https://172.20.110.254:8443/cmadmin/deviceEdit.do?key=6b436139-e626-4aec-95dd-a2ec422e4f4b>. The page header includes the Cisco logo, "Cisco Unified CM Administration", and "For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Phone Configuration" and includes a "Related Links" section with a "Back To Find/List" link. Below this is a toolbar with "Save", "Delete", "Copy", "Reset", and "Add New" buttons.

The configuration is organized into several sections:

- Phone Load Name:** A text field containing a yellowed-out name.
- Options:**
 - Retry Video Call as Audio
 - Ignore Presentation Indicators (internal calls only)
 - Allow Control of Device from CTI
 - Logged Into Hunt Group
 - Remote Device
- Protocol Specific Information:**
 - Packet Capture Mode*: None
 - Packet Capture Duration: 0
 - Presence Group*: Standard Presence group
 - Device Security Profile*: Cisco 7940 - Standard SCCP Non-Secure Profile
 - SUBSCRIBE Calling Search Space: < None >
 - Unattended Port
 - Require DTMF Reception
 - RFC2833 Disabled
- Certification Authority Proxy Function (CAPF) Information:**
 - Certificate Operation*: No Pending Operation
 - Authentication Mode*: By Null String
 - Authentication String: (empty field)
 - Generate String button
 - Key Size (Bits)*: 1024
 - Operation Completes By: 2007 7 20 12 (YYYY:MM:DD:HH)
 - Certificate Operation Status: None
 - Note: Security Profile Contains Addition CAPF Settings.
- External Data Locations Information (Leave blank to use default):**
 - Information: (empty field)
 - Directory: (empty field)

The bottom of the browser window shows the status bar with "Done" and "Local intranet".



SCCP Phone Configuration - 3

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser's address bar displays the URL: `https://172.20.110.254:8443/ccmadmin/deviceEdit.do?key=a0eae5b-6d54-439b-8063-73426cffe3c`. The page title is "Phone Configuration - Microsoft Internet Explorer".

The interface includes a navigation menu with the following items: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Phone Configuration", and the "Related Links" section contains "Back To Find/List".

At the top of the configuration area, there are several action buttons: Save, Delete, Copy, Reset, and Add New. The configuration fields are organized into several sections:

- Messages:** A single text input field.
- Services:** A single text input field.
- Authentication Server:** A single text input field.
- Proxy Server:** A single text input field.
- Idle:** A single text input field.
- Idle Timer (seconds):** A single text input field.

The **Extension Information** section contains:

- Enable Extension Mobility
- Log Out Profile: -- Use Current Device Settings -- (dropdown menu)
- Log in Time: < None >
- Log out Time: < None >

The **MLPP Information** section contains:

- MLPP Domain: < None > (dropdown menu)
- MLPP Indication*: Default (dropdown menu)
- MLPP Preemption*: Default (dropdown menu)

The **Do Not Disturb** section contains:

- Do Not Disturb

The browser's status bar at the bottom shows "Done" and "Local intranet".



SCCP Phone Configuration - 4

The screenshot shows the Cisco Unified CM Administration web interface for SCCP Phone Configuration. The browser window is titled "Phone Configuration - Microsoft Internet Explorer" and shows the URL <https://172.20.110.254:8443/ccmadmin/deviceEdit.do?key=a0eae5b-6d54-439b-8063-73426cffe3c>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu includes System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "Phone Configuration" and includes a "Related Links" section with "Back To Find/List". Below this are action buttons: Save, Delete, Copy, Reset, and Add New. The configuration fields are:

- DND Option*: Ringer Off
- DND Incoming Call Alert: < None >
- Product Specific Configuration Layout** (indicated by a question mark icon):
 - 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

At the bottom, there are action buttons: Save, Delete, Copy, Reset, and Add New. Below these are two information icons with text: "*- indicates required item." and "**- Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration." The status bar at the bottom shows "Done" and "Local intranet".



SCCP Phone Configuration - 5

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=2f71871e-ecb0-925d-1bd1-23c94081253e&mapkey=84314f31-503d-204f-19e2-0256504c17cd&dev> Go Links >>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration Related Links: [Configure Device \(SEP000A416B8539\)](#) Go

Save Delete Reset Add New

Status
Status: Ready

Directory Number Information

Directory Number*

Route Partition

Description

Alerting Name

ASCII Alerting Name

Allow Control of Device from CTI

Associated Devices

▼ ▲

Dissociate Devices

Directory Number Settings

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

Done Local intranet



SCCP Phone Configuration - 6

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=2f71871e-ecb0-925d-1bd1-23c94081253e&mapkey=84314f31-503d-204f-19e2-0256504c17cd&dev> Go Links >>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration

Related Links: [Configure Device \(SEP000A416B8539\)](#) Go

Save Delete Reset Add New

Calling Search Space	PhonesCSS
Presence Group*	Standard Presence group
User Hold MOH Audio Source	< None >
Network Hold MOH Audio Source	< None >
Auto Answer*	Auto Answer Off

AAR Settings

	Voice Mail	AAR Destination Mask	AAR Group
AAR	<input type="checkbox"/> or		< None >
<input checked="" type="checkbox"/> Retain this destination in the call forwarding history			

Call Forward and Call Pickup Settings

	Voice Mail	Destination	Calling Search Space
Calling Search Space Activation Policy			Use System Default
Forward All	<input type="checkbox"/> or		PhonesCSS
Secondary Calling Search Space for Forward All			PhonesCSS
Forward Busy Internal	<input type="checkbox"/> or		PhonesCSS
Forward Busy External	<input type="checkbox"/> or		PhonesCSS
Forward No Answer Internal	<input type="checkbox"/>		PhonesCSS

Done Local intranet



SCCP Phone Configuration - 7

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=2f71871e-ecb0-925d-1bd1-23c94081253e&mapkey=84314f31-503d-204f-19e2-0256504c17cd&dev> Go Links

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration Related Links: [Configure Device \(SEP000A416B8539\)](#) Go

Save Delete Reset Add New

Forward No Answer External	<input type="checkbox"/>	or	<input type="text"/>	PhonesCSS
Forward No Coverage Internal	<input type="checkbox"/>	or	<input type="text"/>	PhonesCSS
Forward No Coverage External	<input type="checkbox"/>	or	<input type="text"/>	< None >
Forward on CTI Failure	<input type="checkbox"/>	or	<input type="text"/>	< None >
Forward Unregistered Internal	<input type="checkbox"/>	or	<input type="text"/>	PhonesCSS
Forward Unregistered External	<input type="checkbox"/>	or	<input type="text"/>	PhonesCSS

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 Settings for All Devices

Hold Reversion Ring Duration (seconds) Setting the Hold Reversion Ring Duration to zero will disable the feature

Hold Reversion Notification Interval (seconds) Setting the Hold Reversion Notification Interval to zero will disable the feature

Local intranet



SCCP Phone Configuration - 8

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccadmin/directoryNumberEdit.do?key=2f71871e-ecb0-925d-1bd1-23c94081253e&mapkey=84314f31-503d-204f-19e2-0256504c17cd&dev>. The page title is "Directory Number Configuration". The navigation menu includes System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Directory Number Configuration" for "Line 1 on Device SEP000A416B8539". The configuration form includes the following fields:

Display (Internal Caller ID)	<input type="text" value="Rafa Marquez"/>	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)	<input type="text" value="Rafa Marquez"/>	
Line Text Label	<input type="text" value="Rafa Marquez"/>	
ASCII Line Text Label	<input type="text" value="Rafa Marquez"/>	
External Phone Number Mask	<input type="text"/>	
Visual Message Waiting Indicator Policy*	<input type="text" value="Use System Policy"/>	
Ring Setting (Phone Idle)*	<input type="text" value="Use System Default"/>	
Ring Setting (Phone Active)	<input type="text" value="Use System Default"/>	Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	<input type="text" value="Use System Default"/>	
Call Pickup Group Audio Alert Setting(Phone Active)	<input type="text" value="Use System Default"/>	
Monitoring Calling Search Space	<input type="text" value="< None >"/>	



SCCP Phone Configuration - 9

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=2f71871e-ecb0-925d-1bd1-23c94081253e&mapkey=84314f31-503d-204f-19e2-0256504c17cd&dev> Go Links >>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration Related Links: [Configure Device \(SEP000A416B8539\)](#) Go

Save Delete Reset Add New

Multiple Call/Call Waiting Settings on Device SEP000A416B8539

Note: The range to select the Max Number of calls is: 1-196

Maximum Number of Calls*

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

Forwarded Call Information Display on Device SEP000A416B8539

Caller Name
 Caller Number
 Redirected Number
 Dialed Number

Users Associated with Line

i *- indicates required item.
i **- Changes to Line or Directory Number settings require restart.

Local intranet



SIP Phone Configuration - 1

The screenshot displays the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/deviceEdit.do?key=ffdd2b30-5c76-4c44-acf2-a707a7025da2`. The page title is "Phone Configuration - Microsoft Internet Explorer".

The main navigation bar includes "System", "Call Routing", "Media Resources", "Voice Mail", "Device", "Application", "User Management", "Bulk Administration", and "Help". The current page is "Phone Configuration", and the user is logged in as "CCAdministrator".

The interface is divided into several sections:

- Status:** Shows "Status: Ready".
- Association Information:** A list of 17 items for configuration, including:
 - Line [1] - 3014 in Phones
 - Line [2] - 8004 in Phones
 - Buttons: "Add a new SD" (items 3-8)
 - Unassigned Associated Items section (item 9)
 - Line [3] - Add a new DN
 - Buttons: "Add a new SD" (item 10), "Add a new SURF" (item 11), "Add a new BLF SD" (item 12), "Add a new BLF Directed Call Park" (item 13)
 - Intercom [1] - Add a new Intercom (item 14)
 - Do Not Disturb (item 15)
 - Privacy (item 16)
 - None (item 17)
- Phone Type:** Product Type: Cisco 7971, Device Protocol: SIP.
- Device Information:** A table of configuration parameters:

Registration	Registered with Cisco Unified Communications Manager CM-BARZA
IP Address	172.20.110.250
MAC Address*	0019555CBC88
Description	Auto 3014
Device Pool*	Default View Details
Common Device Configuration	< None > View Details
Phone Button Template*	Standard 7971 SIP
Softkey Template	Standard User_CallBack
Common Phone Profile*	Standard Common Phone Profile
Calling Search Space	PhonesCSS
AAR Calling Search Space	< None >
Media Resource Group List	< None >
User Hold MOH Audio Source	< None >
Network Hold MOH Audio Source	< None >
Location*	Hub_None
AAR Group	< None >
User Locale	< None >
Network Locale	< None >
Built In Bridge*	Default
Privacy*	Default
Device Mobility Mode*	Default View Current Device Mobility Settings
Owner User ID	< None >



SIP Phone Configuration - 2

The screenshot displays the Cisco Unified CM Administration interface for configuring a SIP phone. The browser window is titled "Phone Configuration - Microsoft Internet Explorer" and shows the URL `https://172.20.110.254:2843/cmadmin/deviceEdit.do?lay...fhd0500-0c76-4c44-ae2-e707e702c0a2`. The page title is "Phone Configuration" and includes a "Related Links: Back To FindList" button.

The configuration form is divided into three main sections:

- Phone Personalization:** Includes a "Phone Load Name" dropdown menu (set to "Default"), checkboxes for "Ignore Presentation Indicators (internal calls only)", "Allow Control of Device from CTI" (checked), "Logged Into Hunt Group", and "Remove Device".
- Protocol Specific Information:** Contains dropdown menus for "Packet Capture Method" (None), "Packet Capture Duration" (0), "Presence Group" (Standard Presence group), "SIP Dial Rules" (< None >), "MTP Preferred Originating Codec" (711ulaw), "Device Security Profile" (Class 2971 - Standard SIP Non-Secure Profile), "Resolving Calling Search Space" (< None >), "SUSCRIBE Calling Search Space" (< None >), "SIP Profile" (Standard SIP Profile), and "Digest User" (< None >). It also features checkboxes for "Media Termination Point Required", "Unattended Port", and "Require DTMF Reception".
- Certification Authority Proxy Function (CAPF) Information:** Includes "Certificate Operation" (No Pending Operation), "Authentication Mode" (By Null String), a "Generate String" button, "Key Size (bits)" (1024), and "Operation Completes By" (2007 7 20 12 (YYYY-MM-DD:HH)).



SIP Phone Configuration - 3

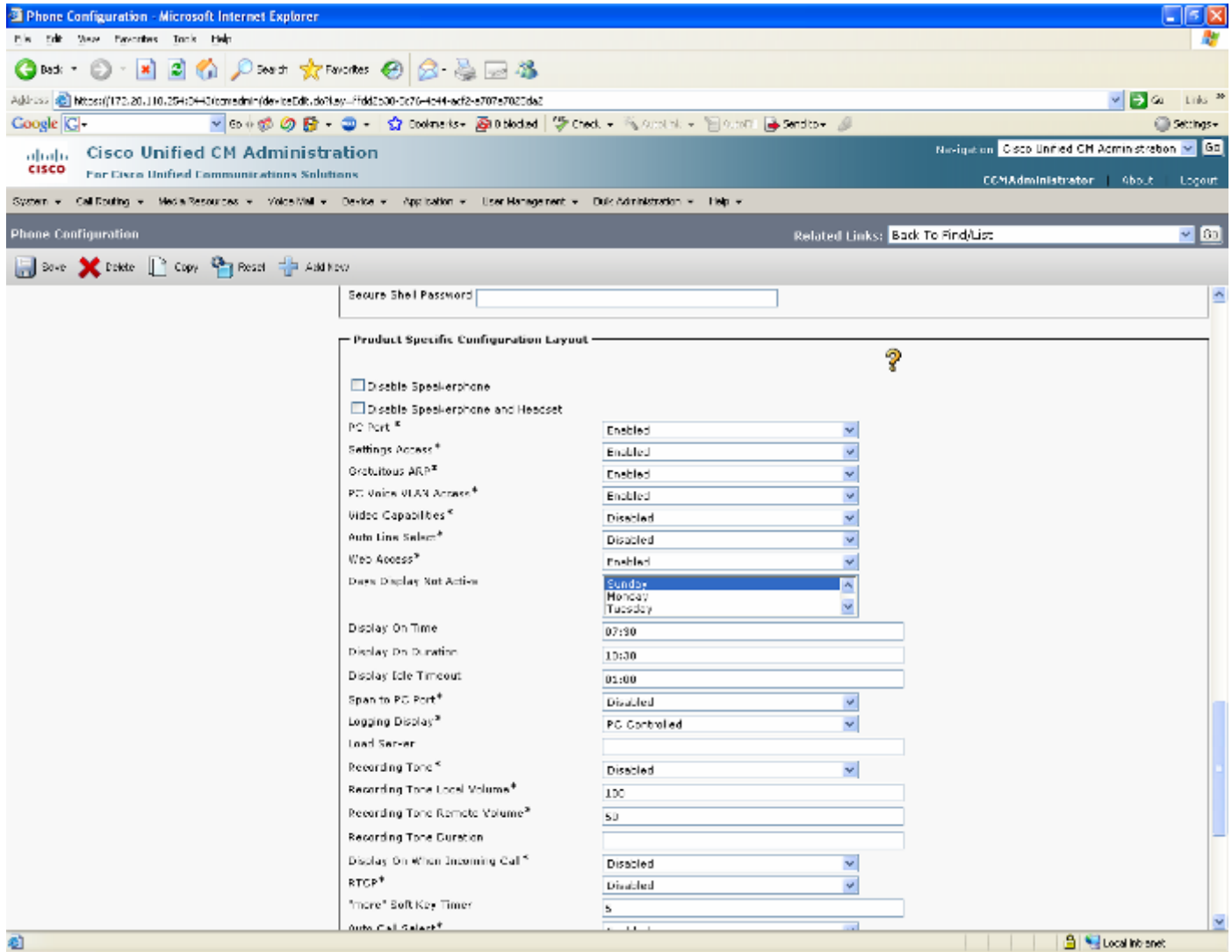
The screenshot shows the Cisco Unified CM Administration interface in a Microsoft Internet Explorer browser window. The page title is "Phone Configuration" and it contains several configuration sections:

- Certificate Operation Status:** None. Note: Security Profile Contains Additional CAPF Settings.
- External Data Locations Information (Leave blank to use default):**
 - Information: [Text Field]
 - Directories: [Text Field]
 - Messages: [Text Field]
 - Services: [Text Field]
 - Authentication Server: [Text Field]
 - Proxy Server: [Text Field]
 - Idle: [Text Field]
 - Idle Timer (seconds): [Text Field]
- Extension Information:**
 - Enable Extension Mobility
 - Log Out Profile: [Dropdown Menu: Use Current Device Settings]
 - Log in Time: [None]
 - Log out Time: [None]
- MLPP Information:**
 - MLPP Domain: [None]
- Do Not Disturb:**
 - Do Not Disturb
 - DND Option: [Ringer Off]
 - DND Incoming Call Alert: [None]
- Secure Shell Information:**
 - Secure Shell User: [Text Field]
 - Secure Shell Password: [Text Field]

The browser's address bar shows the URL: `https://172.20.110.254:28403/cmadmin/deviceEdit.do?lay=Hdd1500-C676-444-af2-e707e7023da2`. The browser interface includes standard navigation buttons (Back, Forward, Home, Stop, Reload, Print, Search, Favorites, etc.) and a search bar. The Cisco Unified CM Administration header includes navigation menus for System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, and User Administration. The user is logged in as CCMAdministrator.



SIP Phone Configuration - 4



The screenshot shows the Cisco Unified CM Administration interface for SIP Phone Configuration. The browser window title is "Phone Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:2843/cmadmin/deviceEdit.do?lay=Phone&00-0076-4044-ae2-e707e7020da2>. The page header includes "Cisco Unified CM Administration" and "For Cisco Unified Communications Solutions". The navigation menu includes "System", "Call Routing", "Media Resources", "Voice Mail", "Device", "Application", "User Management", "Data Administration", and "Help". The main content area is titled "Phone Configuration" and contains a "Secure Shell Password" field and a "Product Specific Configuration Layout" section. The layout section includes various configuration options with dropdown menus and text input fields.

Configuration Option	Value
Disable Speakerphone	<input type="checkbox"/>
Disable Speakerphone and Headset	<input type="checkbox"/>
PC Port	Enabled
Settings Access	Enabled
Gratuitous ARP	Enabled
PC Voice VLAN Access	Enabled
Video Capabilities	Disabled
Auto Line Select	Disabled
Web Access	Enabled
Desk Display Not Active	Sunday
Display On Time	07:30
Display On Duration	10:30
Display Idle Timeout	05:00
Span to PC Port	Disabled
Logging Display	PC Controlled
Load Server	
Recording Tone	Disabled
Recording Tone Local Volume	100
Recording Tone Remote Volume	50
Recording Tone Duration	
Display On When Incoming Call	Disabled
RTCP	Disabled
Phone Soft Key Timer	5
Auto Call Select	



SIP Phone Configuration - 5

The screenshot shows the Cisco Unified CM Administration interface for SIP Phone Configuration. The browser window title is "Phone Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/deviceEdit.do?key=ffdd2b30-5c76-4c44-acf2-a707a7025da2>. The page header includes "Cisco Unified CM Administration" and "For Cisco Unified Communications Solutions". The navigation menu shows "System", "Call Routing", "Media Resources", "Voice Mail", "Device", "Application", "User Management", "Bulk Administration", and "Help". The "Phone Configuration" section is active, with a "Related Links" dropdown set to "Back To Find/List".

At the top of the configuration area, there are buttons for "Save", "Delete", "Copy", "Reset", and "Add New". Below these are the configuration settings for the SIP phone:

Display On Duration	01:30
Display Idle Timeout	01:00
Span to PC Port*	Disabled
Logging Display*	PC Controlled
Load Server	
Recording Tone*	Disabled
Recording Tone Local Volume*	100
Recording Tone Remote Volume*	50
Recording Tone Duration	
Display On When Incoming Call*	Disabled
RTCP*	Disabled
"more" Soft Key Timer	5
Auto Call Select*	Enabled
Log Server	
Advertise G.722 Codec*	Use System Default
Wideband Headset UI Control*	Enabled
Wideband Handset UI Control*	Enabled
Wideband Handset*	Enabled
Wideband Handset*	Use Phone Default
Peer Firmware Sharing*	Disabled
Cisco Discovery Protocol (CDP): Switch Port*	Enabled
Cisco Discovery Protocol (CDP): PC Port*	Enabled

At the bottom of the configuration area, there are buttons for "Save", "Delete", "Copy", "Reset", and "Add New". Below these are three informational messages:

- *- indicates required item.
- ** - Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.
- ***Note: Security Profile Contains Addition CAPF Settings.

The browser status bar at the bottom shows "Local intranet".



SIP Phone Configuration - 6

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=eb3f61f2-a63a-4398-7035-578c4bc9c708&mapkey=dfdf11f5-0756-4cde-934d-d5b7065a1c10&devicekey=ffdd2b30-5c76-4c44-acf2-a707a7025da2&inde`. The page title is "Directory Number Configuration - Microsoft Internet Explorer".

The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help.

The main content area is titled "Directory Number Configuration" and includes a "Related Links" section with "Configure Device (SEP0019555CBC88)".

The configuration form is divided into several sections:

- Status:** Status: Ready
- Directory Number Information:**
 - Directory Number*: 3014
 - Route Partition: Phones
 - Description: (empty)
 - Alerting Name: Deco
 - ASCII Alerting Name: Deco
 - Allow Control of Device from CTI
 - Associated Devices: SEP0019555CBC88
 - Buttons: Edit Device, Edit Line Appearance
 - Dissociate Devices: (empty)
- Directory Number Settings:**
 - Voice Mail Profile: UnityVM (Choose <None> to use system default)
 - Calling Search Space: PhonesCSS
 - Presence Group*: Standard Presence group
 - User Hold MOH Audio Source: <None >
 - Network Hold MOH Audio Source: <None >
 - Auto Answer*: Auto Answer Off
- AAR Settings:**
 - AAR: or
 - AAR Destination Mask: (empty)
 - AAR Group: <None >
 - Retain this destination in the call forwarding history

The browser status bar at the bottom shows "Done" and "Local intranet".



SIP Phone Configuration - 7

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=eb3f61f2-a63a-4398-7035-578c4bc9c708&mapkey=dfdf11f5-0756-4cde-934d-d5b7065a1c10&devicekey=ffdd2b30-5c76-4c44-acf2-a707a7025da2&index=1>

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration Related Links: Configure Device (SEP0019555CBC88) Go

Save Delete Reset Add New

Call Forward and Call Pickup Settings

	Voice Mail	Destination	Calling Search Space
Calling Search Space Activation Policy			Use System Default
Forward All	<input type="checkbox"/> or		PhonesCSS
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or	3090	PhonesCSS
Forward Busy External	<input type="checkbox"/> or	3090	PhonesCSS
Forward No Answer Internal	<input type="checkbox"/> or	3090	PhonesCSS
Forward No Answer External	<input type="checkbox"/> or	3090	PhonesCSS
Forward No Coverage Internal	<input type="checkbox"/> or		< None >
Forward No Coverage External	<input type="checkbox"/> or		< None >
Forward on CTI Failure	<input type="checkbox"/> or		< None >
Forward Unregistered Internal	<input type="checkbox"/> or	3090	PhonesCSS
Forward Unregistered External	<input type="checkbox"/> or	3090	PhonesCSS
No Answer Ring Duration (seconds)			
Call Pickup Group			< None >

MLPP Alternate Party Settings

Target (Destination)

MLPP Calling Search Space

MLPP No Answer Ring Duration (seconds)

Line Settings for All Devices

Hold Reversion Ring Duration (seconds) Setting the Hold Reversion Ring Duration to zero will disable the feature

Hold Reversion Notification Interval (seconds) Setting the Hold Reversion Notification Interval to zero will disable the feature

Line 1 on Device SEP0019555CBC88

Display (Internal Caller ID) Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal

Done Local Intranet



SIP Phone Configuration - 8

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=eb3f61f2-a63a-4398-7035-578c4bc9c708&mapkey=dfdf11f5-0756-4cde-934d-d5b7065a1c10&devicekey=ffdd2b30-5c76-4c44-acf2-a707a7025da2&index=1>

Navigation Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

Directory Number Configuration Related Links: Configure Device (SEP0019555CBC88) Go

Save Delete Reset Add New

ASCII Display (Internal Caller ID)	Deco
Line Text Label	Deco
ASCII Line Text Label	Deco
External Phone Number Mask	
Visual Message Waiting Indicator Policy*	Use System Policy
Audible Message Waiting Indicator Policy*	Default
Ring Setting (Phone Idle)*	Ring
Ring Setting (Phone Active)	Use System Default Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	Use System Default
Call Pickup Group Audio Alert Setting(Phone Active)	Use System Default
Recording Option*	Call Recording Disabled
Recording Profile	< None >
Monitoring Calling Search Space	< None >

Multiple Call/Call Waiting Settings on Device SEP0019555CBC88

Note: The range to select the Max Number of calls is: 1-46

Maximum Number of Calls*	4
Busy Trigger*	2 (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP0019555CBC88

- Caller Name
- Caller Number
- Redirected Number
- Dialed Number

Users Associated with Line

Done Local Intranet



SIP Phone Configuration - 9

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/directoryNumberEdit.do?key=eb3f61f2-a63a-4398-7035-578c4bc9c708&mapkey=dfdf11f5-0756-4cde-934d-d5b7065a1c10&devicekey=ffdd2b30-5c76-4c44-acf2-a707a7025da2&index=1>

Navigation Cisco Unified CM Administration CCMAdministrator About Logout

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

Directory Number Configuration

Related Links: [Configure Device \(SEP0019555CBC88\)](#)

Save Delete Reset Add New

Audible Message Waiting Indicator Policy*	Default
Ring Setting (Phone Idle)*	Ring
Ring Setting (Phone Active)	Use System Default Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	Use System Default
Call Pickup Group Audio Alert Setting(Phone Active)	Use System Default
Recording Option*	Call Recording Disabled
Recording Profile	< None >
Monitoring Calling Search Space	< None >

Multiple Call/Call Waiting Settings on Device SEP0019555CBC88

Note: The range to select the Max Number of calls is: 1-46

Maximum Number of Calls*

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

Forwarded Call Information Display on Device SEP0019555CBC88

- Caller Name
- Caller Number
- Redirected Number
- Dialed Number

Users Associated with Line

Save Delete Reset Add New

i *. indicates required item.

i **. Changes to Line or Directory Number settings require restart.

Done Local Intranet



Service Parameters Configuration – Path Replacement and CallBack

Service Parameter Configuration - Microsoft Internet Explorer

Address: https://172.20.110.254:8443/ccmadmin/serviceParamSave.do?showall=false

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | CCMAdministrator | About | Logout

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

Service Parameter Configuration | Related Links: Parameters for All Servers

Save | Set to Default | Advanced

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 *	True	False
Path Replacement on Tromboned Calls *	True	True
Start Path Replacement Minimum Delay Time *	0	0
Start Path Replacement Maximum Delay Time *	0	0
Path Replacement T1 Timer *	30	30
Path Replacement T2 Timer *	15	15
Path Replacement PINX ID	3020	
Path Replacement Calling Search Space	PhonesCSS	

Clusterwide Parameters (Feature - Call Back)

Call Back Enabled Flag *	True	True
Call Back Notification Audio File Name *	CallBack.raw	CallBack.raw
Connection Proposal Type *	Connection Retention	Connection Retention
Connection Response Type *	Default to Connection Release	Default to Connection Retention
Call Back Request Protection T1 Timer *	10	10
Call Back Recall T3 Timer *	20	20
Call Back Calling Search Space	PhonesCSS	
No Path Reservation *	True	True
Set Private Numbering Plan for Call Back *	False	False

Clusterwide Parameters (Feature - Call Recording)

Play Recording Notification Tone To Observed Target *	False	False
Play Recording Notification Tone To Observed Connected Parties *	False	False

Clusterwide Parameters (Feature - Monitoring)

Play Monitoring Notification Tone To Observed Target *	False	False
--	-------	-------

Done | Local Intranet



Service Parameters Configuration - Forward

Service Parameter Configuration - Microsoft Internet Explorer

Address: https://172.20.110.254:8443/ccmadmin/serviceParamSave.do?showall=False

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration

CCMAdministrator | About | Logout

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

Service Parameter Configuration | Related Links: Parameters for All Servers

Save | Set to Default | Advanced

MWI Non Message Center Signaling Call Duration *	0	0
Message Waiting Indicator APDU Digits Translation CSS	< None >	
Block OffNet To OffNet Transfer *	False	False
Drop Ad Hoc Conference *	Never	Never
Advanced Ad Hoc Conference Enabled *	False	False

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

Clusterwide Parameters (Feature - Forward)

Forward Maximum Hop Count *	12	12
Forward No Answer Timer *	12	12
Max Forward Hops to DN *	12	12
Retain Forward Information *	False	False
Forward By Reroute Enabled *	True	False
Transform Forward by Reroute Destination *	True	True
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
Max Forward UnRegistered Hops to DN *	0	0
CFA CSS Activation Policy *	With Configured CSS	With Configured CSS

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

Clusterwide Parameters (Feature - Hold Reversion)

Hold Reversion Duration *	0	0
Hold Reversion Notification Interval *	30	30
CFA Destination Override *	False	False

Clusterwide Parameters (Feature - Call Pickup)

Auto Call Pickup Enabled *	False	False
Call Pickup Locating Timer *	1	1
Call Pickup No Answer Timer *	12	12

Done | Local intranet



Service Parameters Configuration - iDivert

Service Parameter Configuration - Microsoft Internet Explorer

Address: https://172.20.110.254:8443/ccmadmin/serviceParamSave.do?showall=False

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | CCAdministrator | About | Logout

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

Service Parameter Configuration | Related Links: Parameters for All Servers

Save | Set to Default | Advanced

BLF Status Depicts DND *	False	False
Clusterwide Parameters (System - Mobility)		
Enterprise Feature Access Code for Hold *	*81	*81
Enterprise Feature Access Code for Exclusive Hold *	*82	*82
Enterprise Feature Access Code for Resume *	*83	*83
Enterprise Feature Access Code for Transfer *	*84	*84
Enterprise Feature Access Code for Conference *	*85	*85
Smart Mobile Phone Interdigit Timer *	500	500
Non-Smart Mobile Phone Interdigit Timer *	2000	2000
Send Call to Mobile Menu Timer *	60	60
SIP Dual Mode Alert Timer *	1500	1500
Enable Enterprise Feature Access *	False	False
Enable Mobile Voice Access *	False	False
Mobile Voice Access Number		
Matching Caller ID with Remote Destination *	Complete Match	Complete Match
Number of Digits for Caller ID Partial Match *	10	10
System Remote Access Blocked Numbers		
Clusterwide Parameters (Feature - Immediate Divert)		
Use Legacy Immediate Divert *	False	True
Allow OSIG during iDivert *	True	False
Immediate Divert User Response Timer *	5	5

Save | Set to Default | Advanced

*. indicates required item.
**Set-to-Default button only applies to the modifiable parameters.

Done | Local Intranet

Note: Parameter "Use Legacy Immediate Divert" is set to false to enable the IP phone feature that allows to choose where to divert the call



Partition Configuration - 1

Find and List Partitions - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/partitionFindList.do?<%=reqParams%>&recCnt=0&colCnt=3>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go

CCMAdministrator | About | Logout

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

Find and List Partitions

+ Add New | Select All | Clear All | Delete Selected

Status
3 records found

Partition (1 - 3 of 3) Rows per Page: 50

Find Partition where: Name begins with [] Find Clear Filter

<input type="checkbox"/>	Partition Name ^	Description
<input type="checkbox"/>	E911	E911
<input type="checkbox"/>	Incoming Trunk	Incoming Trunk
<input type="checkbox"/>	Phones	Phones

Add New | Select All | Clear All | Delete Selected

Done Local intranet



Partition Configuration - 2

The screenshot shows the Cisco Unified CM Administration interface for Partition Configuration. The browser window is titled "Partition Configuration - Microsoft Internet Explorer" and the address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/partitionEdit.do?key=99eaf347-e7cd-9b0f-f20c-202553dd382a>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu shows "System", "Call Routing", "Media Resources", "Voice Mail", "Device", "Application", "User Management", "Bulk Administration", and "Help". The current page is "Partition Configuration" with a "Related Links: Back To Find/List" button. The interface includes a toolbar with "Save", "Delete", "Reset", and "Add New" buttons. The "Status" section shows "Status: Ready". The "Partition Information" section contains the following fields: "Name*" (Phones), "Description" (Phones), "Time Schedule" (< None >), and "Time Zone" (Originating Device selected, Specific Time Zone: Greenwich Standard Time). A note at the bottom states: "i *- indicates required item." The browser status bar at the bottom shows "Done" and "Local intranet".



Partition Configuration - 3

The screenshot shows the Cisco Unified CM Administration interface for Partition Configuration. The browser window title is "Partition Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/partitionEdit.do?key=32678a83-94fb-b1fe-acd7-f85c14bc0762>. The page header includes the Cisco logo, "Cisco Unified CM Administration For Cisco Unified Communications Solutions", and navigation links for "CCMAdministrator", "About", and "Logout". A menu bar contains "System", "Call Routing", "Media Resources", "Voice Mail", "Device", "Application", "User Management", "Bulk Administration", and "Help". The main content area is titled "Partition Configuration" and includes a "Related Links: Back To Find/List" button. Below this are action buttons: "Save", "Delete", "Reset", and "Add New". The "Status" section shows "Status: Ready". The "Partition Information" section contains the following fields:

- Name*: Incoming Trunk
- Description: Incoming Trunk
- Time Schedule: < None >
- Time Zone: Originating Device, Specific Time Zone (Greenwich Standard Time)

At the bottom of the form are "Save", "Delete", "Reset", and "Add New" buttons. A note below the form states: "i *- indicates required item." The browser status bar at the bottom shows "Done" and "Local intranet".



Calling Search Space Configuration - 1

Find and List Calling Search Spaces - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/cssFindList.do?<%=reqParams%>&recCnt=0&colCnt=3>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go

CCMAdministrator | About | Logout

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

Find and List Calling Search Spaces

+ Add New | Select All | Clear All | Delete Selected

Status
3 records found

Calling Search Space (1 - 3 of 3)

Rows per Page: 50

Find Calling Search Space where: CSS Name | begins with | Find | Clear Filter

<input type="checkbox"/>	CSS Name ^	Description	Copy
<input type="checkbox"/>	E911CSS		
<input type="checkbox"/>	Incoming TrunkCSS		
<input type="checkbox"/>	PhonesCSS	PhonesCSS	

Add New | Select All | Clear All | Delete Selected

Done | Local intranet



Calling Search Space Configuration - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser title is "Calling Search Space Configuration - Microsoft Internet Explorer". The address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/cssEdit.do?key=c6323d13-33f1-643e-ee5a-4bbde3d51fe4`. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Calling Search Space Configuration" and includes a "Related Links: Back To Find/List" button. Below this is a toolbar with "Save", "Delete", "Copy", and "Add New" buttons.

The "Status" section shows "Status: Ready".

The "Calling Search Space Information" section contains the following fields:

- Name*: PhonesCSS
- Description: PhonesCSS

The "Route Partitions for this Calling Search Space" section features two lists:

- Available Partitions**: E911, Incoming Trunk
- Selected Partitions: Phones

Below the lists are "Save", "Delete", "Copy", and "Add New" buttons. A legend indicates that "*" indicates a required item and "**Selected Partitions are ordered by highest priority".

The status bar at the bottom shows "Done" and "Local intranet".



Calling Search Space Configuration - 3

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser title is "Calling Search Space Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/cssEdit.do?key=361b54ae-0a31-3e0b-2d43-9b872fdd5f99>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Calling Search Space Configuration" and includes a "Related Links: Back To Find/List" button. Below this is a toolbar with "Save", "Delete", "Copy", and "Add New" buttons.

The "Status" section shows "Status: Ready".

The "Calling Search Space Information" section has a "Name*" field containing "Incoming TrunkCSS" and an empty "Description" field.

The "Route Partitions for this Calling Search Space" section shows two lists:

- Available Partitions**
 - E911
 - Phones
- Selected Partitions
 - Incoming Trunk

Below the lists are "Save", "Delete", "Copy", and "Add New" buttons. A legend indicates that "*" indicates a required item and "**Selected Partitions are ordered by highest priority".

The status bar at the bottom shows "Done" and "Local intranet".



Call Pickup Group Configuration - 1

Find and List Call Pickup Groups - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/callPickupGroupFindList.do?<%=reqParams%>&recCnt=2&colCnt=4>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go

CCMAdministrator | About | Logout

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

Find and List Call Pickup Groups

+ Add New | Select All | Clear All | Delete Selected

Status
1 records found

Call Pickup Group (1 - 1 of 1)

Rows per Page: 50

Find Call Pickup Group where: Call Pickup Group Name begins with PR

<input type="checkbox"/>	Call Pickup Group Name ^	Call Pickup Group Number	Partition	Description	Copy
<input type="checkbox"/>	PR_3020	3020			

+ Add New | Select All | Clear All | Delete Selected

Done | Local intranet



Call Pickup Group Configuration - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/callPickupGroupEdit.do?key=8cad8487-9237-b057-348e-c475f68f1350`. The page title is "Call Pickup Group Configuration - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Call Pickup Group Configuration" and includes a "Related Links: Back To Find/List" button. Below the title are icons for Save, Delete, Copy, and Add New.

Status: Status: Ready

Call Pickup Group Information:

- Call Pickup Group Name*: PR_3020
- Call Pickup Group Number*: 3020
- Description: [Empty text box]
- Partition: < None >

Call Pickup Group Notification Settings:

- Call Pickup Group Notification Policy: No Alert
- Call Pickup Group Notification Timer (seconds)*: 6

Call Information Display For Call Pickup Group Notification:

- Calling Party Information
- Called Party Information

Associated Call Pickup Group Information:

Find Pickup Numbers by Numbers/Partition:

- Partition: < None >
- Call Pickup Group Numbers Contain: [Empty text box] Find
- Available Call Pickup Groups: 222/Phones
- Add to Associated Call Pickup Groups

Current Associated Call Pickup Groups:

- Selected Call Pickup Groups: 3020
- Reverse Order of Selected Numbers

The status bar at the bottom shows "Done" and "Local intranet".



Call Pickup Group Configuration - 3

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/callPickupGroupEdit.do?key=8cad8487-9237-b057-348e-c475f68f1350`. The page title is "Call Pickup Group Configuration - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Call Pickup Group Configuration" and includes the following sections:

- Call Pickup Group Notification Settings:** Call Pickup Group Notification Policy (No Alert), Call Pickup Group Notification Timer (seconds)* (6).
- Call Information Display For Call Pickup Group Notification:** Calling Party Information, Called Party Information.
- Associated Call Pickup Group Information:**
 - Find Pickup Numbers by Numbers/Partition:** Partition (< None >), Call Pickup Group Numbers Contain (), Available Call Pickup Groups (222/Phones). Includes a "Find" button and an "Add to Associated Call Pickup Groups" button.
 - Current Associated Call Pickup Groups:** Selected Call Pickup Groups (3020), Removed Call Pickup Groups (). Includes a "Reverse Order of Selected Numbers" button.

At the bottom, there are buttons for Save, Delete, Copy, and Add New. A note indicates that asterisks (*) denote required items and double asterisks (**) denote removed call pickup groups that will be deleted on save.



Route Pattern Configuration (Enbloc) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: <https://172.20.110.254:8443/ccadmin/routePattern2Edit.do?key=7d071505-e6f0-6edf-e339-e652ab6fd5a>

Navigation: Cisco Unified CM Administration [Go](#)

CCAdministrator | About | Logout

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

Route Pattern Configuration

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

Save Delete Copy Add New

Status
Status: Ready

Pattern Definition

Route Pattern* 411X
Route Partition < None >
Description
Numbering Plan -- Not Selected --
Route Filter < None >
MLPP Precedence* Default
Gateway/Route List* S1/DS1-0@tonycmm [\(Edit\)](#)
Route Option
 Route this pattern
 Block this pattern No Error
Call Classification* OffNet
 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* Default
Connected Name Presentation* Default

Done Local Intranet



Route Pattern Configuration (Enbloc) - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/routePattern2Edit.do?key=7d071505-e6f0-6edf-e339-e652ab6fd5a>. The page title is "Route Pattern Configuration - Microsoft Internet Explorer".

The main content area is titled "Route Pattern Configuration" and includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The configuration form includes the following sections:

- General Settings:** Save, Delete, Copy, Add New buttons. Checkboxes for "Allow Device Override", "Provide Outside Dial Tone" (checked), "Allow Overlap Sending", "Urgent Priority", "Require Forced Authorization Code", and "Require Client Matter Code". A text field for "Authorization Level*" contains the value "0".
- Calling Party Transformations:** Checkboxes for "Use Calling Party's External Phone Number Mask". Text fields for "Calling Party Transform Mask" and "Prefix Digits (Outgoing Calls)". Dropdown menus for "Calling Line ID Presentation*" (set to "Allowed") and "Calling Name Presentation*" (set to "Allowed").
- Connected Party Transformations:** Dropdown menus for "Connected Line ID Presentation*" (set to "Default") and "Connected Name Presentation*" (set to "Default").
- Called Party Transformations:** Dropdown menu for "Discard Digits" (set to "< None >"). Text fields for "Called Party Transform Mask" and "Prefix Digits (Outgoing Calls)".
- ISDN Network-Specific Facilities Information Element:** Dropdown menu for "Network Service Protocol" (set to "-- Not Selected --"). Text field for "Carrier Identification Code". A table with columns "Network Service", "Service Parameter Name", and "Service Parameter Value". The "Network Service" dropdown is set to "-- Not Selected --", and the "Service Parameter Name" dropdown is set to "< Not Exist >".

At the bottom of the form, there are buttons for "Save", "Delete", "Copy", and "Add New". A note indicates that "*" indicates required items. The browser status bar shows "Done" and "Local intranet".



Route Pattern Configuration (Overlap) - 1

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/routePattern2Edit.do?key=644baa48-1e7e-5eba-9229-fe9e731f3dda>. The page title is "Route Pattern Configuration - Microsoft Internet Explorer".

The main content area is titled "Route Pattern Configuration" and includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The configuration form is divided into several sections:

- Status:** Status: Ready
- Pattern Definition:**
 - Route Pattern*: 9.4
 - Route Partition: Phones
 - Description:
 - Numbering Plan: -- Not Selected --
 - Route Filter: < None >
 - MLPP Precedence*: Default
 - Gateway/Route List*: S1/DS1-0@tonycmm (Edit)
 - 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

The bottom of the page shows a "Done" button and a "Local intranet" icon.



Route Pattern Configuration (Overlap) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: <https://172.20.110.254:8443/ccmadmin/routePattern2Edit.do?key=644baa48-1e7e-5eba-9229-fe9e731f3dda>

Navigation: Cisco Unified CM Administration

CCMAdministrator | About | Logout

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

Route Pattern Configuration

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

Save Delete Copy Add New

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

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="< Not Exist >"/>	<input type="text"/>

Save Delete Copy Add New

*- indicates required item.

Done Local Intranet



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

Translation Pattern Configuration



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

Translation Pattern Configuration

The screenshot shows the Cisco Unified CM Administration interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/translationEdit.do?key=f90ed16f-1dea-a942-ca18-1ea568d1cc40>. The page title is "Translation Pattern Configuration".

The main configuration area includes the following fields and options:

- Description:** Text input field.
- Numbering Plan:** Dropdown menu with "< None >" selected.
- Route Filter:** Dropdown menu with "< None >" selected.
- MLPP Precedence*:** Dropdown menu with "Default" selected.
- Calling Search Space:** Dropdown menu with "PhonesCSS" selected.
- Route Option:** Radio buttons for "Route this pattern" (selected) and "Block this pattern" (with a "No Error" dropdown).
- Provide Outside Dial Tone
- Urgent Priority

Below the main configuration are three sections for transformations:

- Calling Party Transformations:**
 - Use Calling Party's External Phone Number Mask
 - Calling Party Transform Mask: Text input field.
 - Prefix Digits (Outgoing Calls): Text input field.
 - Calling Line ID Presentation*: Dropdown menu with "Default" selected.
 - Calling Name Presentation*: Dropdown menu with "Default" selected.
- Connected Party Transformations:**
 - Connected Line ID Presentation*: Dropdown menu with "Restricted" selected.
 - Connected Name Presentation*: Dropdown menu with "Restricted" selected.
- Called Party Transformations:**
 - Discard Digits: Dropdown menu with "< None >" selected.
 - Called Party Transform Mask: Text input field.
 - Prefix Digits (Outgoing Calls): Text input field.

At the bottom, there are buttons for "Save", "Delete", "Copy", and "Add New". A note indicates that asterisks (*) denote required items.



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

The screenshot displays the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccadmin/routePattern2Edit.do?key=7d071505-e6f0-6edf-e339-e652ab6fd5a>. The page title is "Route Pattern Configuration".

The interface includes a navigation menu with options: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Route Pattern Configuration", and the user is logged in as "CCAdministrator".

The main content area is titled "Route Pattern Configuration" and includes a "Status" section showing "Status: Ready". Below this is the "Pattern Definition" section, which contains the following fields and options:

- Route Pattern*: 411X
- Route Partition: < None >
- Description: (empty)
- Numbering Plan: -- Not Selected --
- Route Filter: < None >
- MLPP Precedence*: Default
- Gateway/Route List*: S1/DS1-0@tonycmm (Edit)
- Route Option: Route this pattern, Block this pattern (No Error)
- Call Classification*: OffNet
- Allow Device Override:
- Provide Outside Dial Tone:
- Allow Overlap Sending:
- Urgent Priority:
- Require Forced Authorization Code:
- Authorization Level*: 0
- Require Client Matter Code:

Below the Pattern Definition section is the "Calling Party Transformations" section, which includes:

- Use Calling Party's External Phone Number Mask:
- Calling Party Transform Mask: (empty)
- Prefix Digits (Outgoing Calls): (empty)
- Calling Line ID Presentation: Restricted
- Calling Name Presentation: Restricted

The bottom section is "Connected Party Transformations", which includes:

- Connected Line ID Presentation*: Default
- Connected Name Presentation*: Default

The browser status bar at the bottom shows "Done" and "Local intranet".



Voice Mail Port Configuration for Unity VM - 1

Find and List Voice Mail Ports

Navigation: Cisco Unified CM Administration | CCMAdministrator | About | Logout

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

Find and List Voice Mail Ports

Add New | Select All | Clear All | Delete Selected | Reset Selected

Status: 3 records found

Voice Mail Port (1 - 3 of 3) Rows per Page: 50

Find Voice Mail Port where: Device Name | begins with | Find | Clear Filter

<input type="checkbox"/>	Device Name ^	Description	Device Pool	Device Security Mode	Calling Search Space	Ext.	Partition	Status	IP Address	Copy
<input type="checkbox"/>	BarzaUM1-VI1		Default	Non Secure Voice Mail Port	PhonesCSS	3091	Phones	Registered with CM-BARZA	172.20.239.252	
<input type="checkbox"/>	BarzaUM1-VI2		Default	Non Secure Voice Mail Port	PhonesCSS	3092	Phones	Registered with CM-BARZA	172.20.239.252	
<input type="checkbox"/>	BarzaUM1-VI3		Default	Non Secure Voice Mail Port	PhonesCSS	3093	Phones	Registered with CM-BARZA	172.20.239.252	

Add New | Select All | Clear All | Delete Selected | Reset Selected

Local intranet



Voice Mail Port Configuration for Unity VM - 2

Voice Mail Port Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: <https://172.20.110.254:8443/ccmadmin/vmPortEdit.do?key=9ccb56d2-2007-11bd-2e05-9abbfed3f723>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go

CCMAdministrator | About | Logout

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

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

Save Delete Copy Reset Add New

Status
Status: Ready

Device Information

Registration	Registered with Cisco Unified Communications Manager CM-BARZA
IP Address	172.20.239.252
Port Name*	BarzaUM1-VI1
Description	
Device Pool*	Default
Common Device Configuration	< None >
Calling Search Space	PhonesCSS
AAR Calling Search Space	< None >
Location*	Hub_None
Device Security Mode*	Non Secure Voice Mail Port

Directory Number Information

Directory Number*	3091
Partition	Phones
Calling Search Space	PhonesCSS
AAR Group	< None >
Internal Caller ID Display	VoiceMail
Internal Caller ID Display (ASCII format)	VoiceMail
External Number Mask	

Save Delete Copy Reset Add New

*. indicates required item.

Done Local intranet



Message Waiting (MWI) Configuration - 1

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/messageWaitingFLDeleteSelected.do?recCnt=4&colCnt=8`. The page title is "Find and List Message Waiting Numbers".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Find and List Message Waiting Numbers" and includes action buttons: Add New, Select All, Clear All, and Delete Selected.

A status box indicates "2 records found".

The table below shows the configuration for Message Waiting Numbers:

Directory Number	Description	Partition	Calling Search Space	Copy
<input type="checkbox"/> 3100		Phones	PhonesCSS	
<input type="checkbox"/> 3101		Phones	PhonesCSS	

At the bottom of the interface, there are buttons for "Add New", "Select All", "Clear All", and "Delete Selected". The status bar at the bottom of the browser shows "Local intranet".



Message Waiting (MWI) Configuration - 2

The screenshot shows a web browser window titled "Message Waiting Configuration - Microsoft Internet Explorer". The address bar contains the URL: <https://172.20.110.254:8443/ccmadmin/messageWaitingEdit.do?key=60fb6730-97d1-c417-b14b-3696ccec860f>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Message Waiting Configuration" and includes a "Related Links: Back To Find/List" button. Below this are action buttons: Save, Delete, Copy, and Add New.

Status
Status: Ready

Message Waiting Information

Message Waiting Number*	B101
Partition	Phones
Description	
Message Waiting Indicator*	<input checked="" type="radio"/> On <input type="radio"/> Off
Calling Search Space	PhonesCSS

Save Delete Copy Add New

* - indicates required item.



Message Waiting (MWI) Configuration - 3

The screenshot shows a web browser window titled "Message Waiting Configuration - Microsoft Internet Explorer". The address bar contains the URL: `https://172.20.110.254:8443/ccmadmin/messageWaitingEdit.do?key=ae18b473-79bd-42c3-58fe-4aa9b484b52d`. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Message Waiting Configuration" and includes a "Related Links: Back To Find/List" button. Below this are action buttons: Save, Delete, Copy, and Add New.

Status
Status: Ready

Message Waiting Information

Message Waiting Number*	<input type="text" value="3100"/>
Partition	<input type="text" value="Phones"/>
Description	<input type="text"/>
Message Waiting Indicator*	<input type="radio"/> On <input checked="" type="radio"/> Off
Calling Search Space	<input type="text" value="PhonesCSS"/>

Save Delete Copy Add New

* - indicates required item.



Voice Mail Profile Configuration for Unity VM - 1

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/vmProfileFindList.do`. The page title is "Find and List Voice Mail Profiles - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCAdministrator".

The main content area is titled "Find and List Voice Mail Profiles". It includes action buttons: Add New, Select All, Clear All, and Delete Selected. A status bar indicates "3 records found".

The "Voice Mail Profile" table shows the following data:

Name	Description	Pilot	Calling Search Space	Copy
Default	Default voice messaging profile			
NoVoiceMail	No Voice Mail			
UnityVM		3090	PhonesCSS	

At the bottom of the interface, there are buttons for "Add New", "Select All", "Clear All", and "Delete Selected". The status bar at the very bottom shows "Done" and "Local intranet".



Voice Mail Profile Configuration for Unity VM - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser title is "Voice Mail Profile Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/vmProfileEdit.do?key=daa0c8e7-ef56-0942-9de9-f81ecbf37f74>. The page title is "Voice Mail Profile Configuration". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Voice Mail Profile Configuration" and the user is logged in as "CCMAdministrator".

Voice Mail Profile Configuration

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

Save Delete Copy Reset Add New

Status

Status: Ready

Voice Mail Profile Information

Voice Mail Profile: UnityVM (used by 24 devices)

Voice Mail Profile Name*:

Description:

Voice Mail Pilot**:

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 >).



Voice Mail Pilot Configuration for Unity VM - 1

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/vmPilotFindList.do`. The page title is "Find and List Voice Mail Pilots".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help.

The main content area is titled "Find and List Voice Mail Pilots" and includes the following elements:

- Buttons: Add New, Select All, Clear All, Delete Selected
- Status: 3 records found
- Table: Voice Mail Pilot (1 - 3 of 3)

	Pilot Number ^	Description	Calling Search Space
<input type="checkbox"/>		No Voice Mail	
<input type="checkbox"/>		Default	
<input checked="" type="checkbox"/>	3090	VM Pilot	PhonesCSS

At the bottom of the table, there are buttons: Add New, Select All, Clear All, Delete Selected.



Voice Mail Pilot Configuration for Unity VM - 2

The screenshot shows a Microsoft Internet Explorer browser window displaying the Cisco Unified CM Administration interface. The browser's address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/vmPilotEdit.do?key=801a5795-eb9f-e398-3b2e-fb00bde9fd9a`. The page title is "Voice Mail Pilot Configuration - Microsoft Internet Explorer".

The interface includes a navigation menu with options: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Voice Mail Pilot Configuration", and the user is logged in as "CCMAdministrator".

At the top of the configuration page, there are buttons for "Save", "Delete", and "Add New". Below this is a "Status" section showing "Status: Ready".

The main configuration area is titled "Voice Mail Pilot Information" and contains the following fields:

- Voice Mail Pilot Number:
- Calling Search Space:
- Description:
- Make this the default Voice Mail Pilot for the system

At the bottom of the configuration area, there are buttons for "Save", "Delete", and "Add New". Below this is a note: "i *. indicates required item."

The browser's status bar at the bottom shows "Done" and "Local intranet".



Hunt Group for VM pilot Configuration for Unity VM - 1

Line groups

The screenshot shows a web browser window titled "Find and List Line Groups - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/lineGroupFindList.do>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Find and List Line Groups" and includes a search bar with the following options: "Add New", "Select All", "Clear All", and "Delete Selected". Below the search bar, a status message indicates "1 records found".

The search results are displayed in a table with the following columns: "Line Group Name". The table contains one row with the value "VM_HUNT".

At the bottom of the table, there are buttons for "Add New", "Select All", "Clear All", and "Delete Selected".



Hunt Group for VM pilot Configuration for Unity VM - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccadmin/lineGroupEdit.do?key=bdb15578-e567-b336-9f79-e79c3dda786b>. The page title is "Line Group Configuration - Microsoft Internet Explorer".

The main content area is titled "Line Group Configuration" and includes the following sections:

- Line Group Information:**
 - Line Group Name*: VM_HUNT
 - RNA Reversion Timeout*: 10
 - Distribution Algorithm*: Longest Idle Time
- Hunt Options:**
 - No Answer*: Try next member; then, try next group in Hunt List
 - Busy**: Try next member; then, try next group in Hunt List
 - Not Available**: Try next member; then, try next group in Hunt List
- Line Group Member Information:**
 - Find Directory Numbers to Add to Line Group:**
 - Partition: < None >
 - Directory Number Contains: [] Find
 - Available DN/Route Partition: 3011/Phones, 3012/Phones, 3013/Phones, 3014/Phones, 3020/Phones
 - Add to Line Group button
 - Current Line Group Members:**
 - Reverse Order of Selected DN/Route Partitions
 - Selected DN/Route Partition: 3091/Phones, 3092/Phones, 3093/Phones
 - Removed DN/Route Partition: []

The status bar at the bottom shows "Done" and "Local intranet".



Hunt Group for VM pilot Configuration for Unity VM - 3

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/lineGroupEdit.do?key=bdb15578-e567-b336-9f79-e79c3dda786b>. The page title is "Line Group Configuration - Microsoft Internet Explorer".

The main content area is titled "Line Group Configuration" and includes a "Related Links: Back To Find/List" button. Below the title are "Save", "Delete", and "Add New" buttons.

The "Line Group Member Information" section contains a "Find Directory Numbers to Add to Line Group" form. It includes a "Partition" dropdown menu (currently set to "< None >"), a "Directory Number Contains" text input field, and a "Find" button. Below this is a list of "Available DN/Route Partition" options: 3011/Phones, 3012/Phones, 3013/Phones, 3014/Phones, and 3020/Phones. An "Add to Line Group" button is located at the bottom of this list.

The "Current Line Group Members" section features a "Reverse Order of Selected DN/Route Partitions" button. It shows a list of "Selected DN/Route Partition" entries: 3091/Phones, 3092/Phones, and 3093/Phones. Below this is a "Removed DN/Route Partition" list, which is currently empty.

The "Directory Numbers" section displays a list of directory numbers: 3091 in Phones, 3092 in Phones, and 3093 in Phones. Each entry is accompanied by a small icon and a "7/25" indicator.

At the bottom of the page, there are "Save", "Delete", and "Add New" buttons. Below these buttons are two informational icons: one indicating that an asterisk (*) denotes a required item, and another indicating that double asterisks (**) denote fields required when the Distribution Algorithm is set to Top Down or Circular, and not used when set to Longest Idle or Broadcast.

The browser status bar at the bottom shows "Done" and "Local intranet".



Hunt Group for VM pilot Configuration for Unity VM - 4

Hunt List

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/huntListFindList.do?<%=reqParams%>&recCnt=0&colCnt=7`. The page title is "Find and List Hunt Lists".

The interface includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Find and List Hunt Lists" and contains several action buttons: Add New, Select All, Clear All, Delete Selected, and Reset Selected. Below this is a "Status" section indicating "1 records found".

The "Hunt List (1 - 1 of 1)" section shows a search filter for "Name" set to "begins with" and a "Find" button. Below the search is a table with the following data:

<input type="checkbox"/>	Name	Description	Enabled	Status
<input type="checkbox"/>	VM_HUNT		true	Registered with CM-BARZA

At the bottom of the table are buttons for "Add New", "Select All", "Clear All", "Delete Selected", and "Reset Selected". The bottom status bar shows "Local intranet".



Hunt Group for VM pilot Configuration for Unity VM - 5

Hunt List Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/huntListEdit.do?key=670f9e38-90d7-e4d6-5ac3-ea55bcfe3a11>

Navigation Cisco Unified CM Administration Go

CCMAdministrator About Logout

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

Hunt List Configuration Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

Status
Status: Ready

Hunt List Information

Name* VM_HUNT

Description

Cisco Unified Communications Manager Group* Default

Enable this Hunt List (change effective on Save; no reset required)

For Voice Mail Usage

Hunt List Member Information

Add Line Group

Selected Groups** VM_HUNT

Removed Groups***

Hunt List Details

VM_HUNT

Save Delete Copy Reset Add New

*- indicates required item.
**ordered by highest priority
***will be removed from Hunt List when you click Save

Done Local intranet



Hunt Group for VM pilot Configuration for Unity VM - 6

Hunt Pilot – Must match Voice mail Pilot

The screenshot shows a Microsoft Internet Explorer browser window displaying the Cisco Unified CM Administration interface. The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/huntPilotFindList.do>. The page title is "Find and List Hunt Pilots".

The interface includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

Below the navigation menu, there are controls for "Find and List Hunt Pilots":

- Buttons: Add New, Select All, Clear All, Delete Selected
- Status: 1 records found
- Table: Hunt Pilots (1 - 1 of 1)

The table has the following columns: Pattern, Description, Partition, Route Filter, Hunt List, and Copy. One record is displayed:

Pattern	Description	Partition	Route Filter	Hunt List	Copy
3090		Phones		VM_HUNT	

At the bottom of the table, there are buttons: Add New, Select All, Clear All, Delete Selected.

The browser's status bar at the bottom shows "Done" and "Local intranet".



Hunt Group for VM pilot Configuration for Unity VM - 7

Hunt Pilot Configuration - Microsoft Internet Explorer

Address: https://172.20.110.254:8443/ccmadmin/huntPilotEdit.do?key=f94713e8-fcb7-44e3-bb9-d5112000078c

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go

CCMAdministrator | About | Logout

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

Hunt Pilot Configuration | Related Links: Back To Find/List | Go

Save | Delete | Copy | Add New

Status
Status: Ready

Pattern Definition

Hunt Pilot*: 8090
Route Partition: Phones
Description:
Numbering Plan: < None >
Route Filter: < None >
MLPP Precedence*: Default
Hunt List*: VM_HUNT (Edit)
Route Option:
 Route this pattern
 Block this pattern | No Error
 Provide Outside Dial Tone Urgent Priority

Hunt Forward Settings

	Use Personal Preferences	Destination	Calling Search Space
Forward Hunt No Answer	<input type="checkbox"/> or		< None >
Forward Hunt Busy	<input type="checkbox"/> or		< None >
Maximum Hunt Timer			

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 | Local Intranet



Hunt Group for VM pilot Configuration for Unity VM - 8

Hunt Pilot Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://172.20.110.254:8443/ccmadmin/huntPilotEdit.do?key=f94713e8-fcb7-44e3-bbf9-d5112000078c>

Navigation Cisco Unified CM Administration **Go**

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

CCMAdministrator | About | Logout

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

Hunt Pilot Configuration Related Links: [Back To Find/List](#) **Go**

Save **X** Delete Copy **+** Add New

Hunt Forward Settings

	Use Personal Preferences	Destination	Calling Search Space
Forward Hunt No Answer	<input type="checkbox"/> or	<input type="text"/>	< None >
Forward Hunt Busy	<input type="checkbox"/> or	<input type="text"/>	< None >
Maximum Hunt Timer	<input type="text"/>		

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)

AAR Group Settings

AAR Group **< None >**

External Number Mask

Save Delete Copy Add New

i *- indicates required item.

Done Local Intranet



Voice Mail Profile Configuration for Octel VM attached to Avaya- 3

Note: Voice mail ports are not required when CUCM is not acting as Message Centre PINX

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/vmProfileEdit.do?key=16c584ea-6a81-4138-9ea1-af452de8f75a`. The page title is "Voice Mail Profile Configuration - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Voice Mail Profile Configuration" and includes a "Related Links" section with "Back To Find/List". Below this are action buttons: Save, Delete, Copy, Reset, and Add New.

The "Status" section shows "Status: Ready".

The "Voice Mail Profile Information" section contains the following fields:

- Voice Mail Profile: Default (used by 23 devices)
- Voice Mail Profile Name*: Default
- Description: Default voice messaging profile
- Voice Mail Pilot**: 5050/PhonesCSS
- Voice Mail Box Mask: (empty)

There is a checkbox checked: "Make this the default Voice Mail Profile for the System".

At the bottom, there are two informational notes:

- *. 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 >).

The browser status bar at the bottom shows "Done" and "Local Intranet".

Note: 5050 is the Octel VM pilot number configured on the Avaya



Voice Mail Pilot Configuration for Octel VM attached to Avaya - 1

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/vmPilotEdit.do?key=1a3605b3-ea6f-6b83-dea9-9c39176c8574>. The page title is "Voice Mail Pilot Configuration - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Voice Mail Pilot Configuration".

At the top right, the user is logged in as "CCMAdministrator" with "About" and "Logout" links. A "Navigation" menu shows "Cisco Unified CM Administration" and a "Go" button.

Below the navigation menu, there are "Save", "Delete", and "Add New" buttons. A "Related Links" section contains "Back To Find/List" and a "Go" button.

The main content area is titled "Status" and shows "Status: Ready". Below this is the "Voice Mail Pilot Information" section, which contains the following fields:

- Voice Mail Pilot Number:
- Calling Search Space:
- Description:
- Make this the default Voice Mail Pilot for the system

At the bottom of the form, there are "Save", "Delete", and "Add New" buttons. A note below the buttons states: "i *. indicates required item."

The status bar at the bottom of the browser shows "Done" and "Local Intranet".



Voice Mail Route Pattern to reach Octel VM attached to Avaya - 1

Route Pattern Configuration - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/routePattern2Edit.do?key=a4213764-a22c-bdcc-e733-01c95f2b13ea>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration

CCMAdministrator | About | Logout

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

Route Pattern Configuration

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

Save | Delete | Copy | Add New

Status
Status: Ready

Pattern Definition

Route Pattern* 5050
Route Partition < None >
Description
Numbering Plan -- Not Selected --
Route Filter < None >
MLPP Precedence* Default
Gateway/Route List* S1/DS1-0@tonycmm (Edit)
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

Done Local Intranet



CallBack and iDivert Softkey Template - 1

Find and List Softkey Templates - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/softkeyTemplateFindList.do>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go

CCMAdministrator | About | Logout

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

Find and List Softkey Templates

+ Add New | Select All | Clear All | Delete Selected

Status
6 records found

Softkey Template (1 - 6 of 6) Rows per Page 50

Find Softkey Template where Name begins with and where softkey template is Both Find Clear Filter

<input type="checkbox"/>	Name ^	Description	Copy
<input type="checkbox"/>	Standard Assistant	Standard template for assistant phones	
<input type="checkbox"/>	Standard Feature	Standard Softkey Template for CM Combined Feature	
<input type="checkbox"/>	Standard Manager	Standard template for proxy mode manager phones	
<input type="checkbox"/>	Standard Shared Mode Manager	Standard template for shared mode manager phones	
<input type="checkbox"/>	Standard User	Standard Softkey Template for CallManager only	
<input type="checkbox"/>	Standard User CallBack iDivert	Standard Softkey Template for CallManager only	

Add New | Select All | Clear All | Delete Selected

Done Local intranet



CallBack Softkey Template - 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/softkeyTemplateEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a>. The page title is "Softkey Template Configuration - Microsoft Internet Explorer".

The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help.

The main content area is titled "Softkey Template Configuration" and includes a "Related Links" section with "Configure Softkey Layout". Below this are action buttons: Save, Delete, Copy, Add New, and Reset.

The "Status" section shows "Status: Ready".

The "Softkey Template Information" section contains the following fields:

- Name*: Standard User_CallBack_idivert
- Description: Standard Softkey Template for CallManager only
- Applications*: Cisco CallManager

There are "Add Application" and "Remove Application" buttons next to the Applications field. A checkbox for "Default Softkey Template" is present and unchecked.

At the bottom of the form, there are "Save", "Delete", "Copy", "Add New", and "Reset" buttons. An information icon indicates that asterisks (*) denote required items.

The browser status bar at the bottom shows "Done" and "Local intranet".



CallBack Softkey Template - 3

Softkey Template Configuration - Microsoft Internet Explorer

Address: <https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a>

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | **CCMAdministrator** | About | Logout

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

Softkey Template Configuration | Related Links: Softkey Template Configuration | Go

Save | Reset

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Standard User_CallBack_idivert
Select a call state to configure: On Hook

Unselected Softkeys	Selected Softkeys (ordered by position)**
Conference List (ConfList)	Radial (Radial)
Direct Transfer (DirTrfr)	**NewCall (NewCall)
Group Pick Up (GPickUp)	Forward All (CfwdAll)
HLog (HLog)	Call Back (CallBack)
Immediate Divert (IDivert)	
Join (Join)	
Meet Me (MeetMe)	
Mobility (Mobility)	
Other Pickup (oPickup)	
Pick Up (PickUp)	
Quality Report Tool (QRT)	
Remove Last Conference Party (RmLstC)	
Select (Select)	
Toggle Do Not Disturb (DND)	
Undefined (Undefined)	
Video Mode Command (VidMode)	

Save | Reset

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

Done | Local intranet



CallBack Softkey Template - 4

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a&callState=1`. The page title is "Softkey Template Configuration".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The main content area is titled "Softkey Template Configuration" and includes "Save" and "Reset" buttons. Below this is a "Status" section showing "Status: Ready".

The "Softkey Layout Configuration" section shows the "Softkey Template" set to "Standard User_CallBack_idivert" and the "Selected call state" set to "Connected".

Unselected Softkeys	Selected Softkeys (ordered by position)**
HLog (HLog)	Hold (Hold)
Mobility (Mobility)	End Call (EndCall)
Quality Report Tool (QRT)	Transfer (Trnsfer)
Remove Last Conference Party (RmLstC)	Park (Park)
Toggle Do Not Disturb (DND)	Conference (Confrn)
Toggle Malicious Call Trace (MCID)	Conference List (ConfList)
Undefined (Undefined)	Select (Select)
	Join (Join)
	Direct Transfer (DirTrfr)
	Video Mode Command (VidMode)
	Immediate Divert (IDivert)

Below the configuration area are "Save" and "Reset" buttons. A legend indicates:
* - indicates required item.
** - indicates mandatory fields.



CallBack Softkey Template - 5

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a&callState=2`. The page title is "Softkey Template Configuration - Microsoft Internet Explorer".

The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The current page is "Softkey Template Configuration".

The main content area is titled "Softkey Template Configuration" and includes a "Status" section showing "Status: Ready". Below this is the "Softkey Layout Configuration" section, which is for the "Standard User_CallBack_idivert" template. A dropdown menu is set to "On Hold".

The configuration is divided into two panes:

- Unselected Softkeys:** Toggle Do Not Disturb (DND), Undefined (Undefined).
- Selected Softkeys (ordered by position)**:** **Resume (Resume), NewCall (NewCall), Direct Transfer (DirTrfr), Select (Select), Join (Join), Immediate Divert (iDivert).

Buttons for "Save" and "Reset" are located below the panes. A legend indicates that "*" indicates required items and "**" indicates mandatory fields. The status bar at the bottom shows "Done" and "Local intranet".



CallBack Softkey Template - 6

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser title is "Softkey Template Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a&callState=3>. The page header includes the Cisco logo and "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "CCMAdministrator".

The main content area is titled "Softkey Template Configuration" and includes a "Related Links" section with a link to "Softkey Template Configuration". Below this is a "Status" section showing "Status: Ready".

The "Softkey Layout Configuration" section is active. It shows the "Softkey Template: Standard User_CallBack_idivert" and a dropdown menu set to "Ring In". There are two columns of softkeys:

- Unselected Softkeys:** Toggle Do Not Disturb (DND), Undefined (Undefined).
- Selected Softkeys (ordered by position)**:** Answer (Answer), Immediate Divert (iDivert).

Navigation buttons for "Save" and "Reset" are present. A legend at the bottom indicates that "*" indicates required items and "**" indicates mandatory fields. The status bar at the bottom shows "Done" and "Local intranet".



CallBack Softkey Template - 7

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a&callState=5`. The page title is "Softkey Template Configuration - Microsoft Internet Explorer".

The main content area is titled "Softkey Template Configuration" and includes a "Status" section showing "Status: Ready". Below this is the "Softkey Layout Configuration" section, which is for the "Standard User_CallBack_divert" template. A dropdown menu is set to "Connected Transfer".

The configuration is divided into two columns:

- Unselected Softkeys:** Quality Report Tool (QRT), Toggle Do Not Disturb (DND), Undefined (Undefined).
- Selected Softkeys (ordered by position)**:** Undefined (Undefined), End Call (EndCall), **Transfer (Trnsfer), Call Back (CallBack).

Navigation buttons for "Save" and "Reset" are present at the bottom of the configuration area. A legend indicates that "*" indicates required items and "**" indicates mandatory fields. The status bar at the bottom shows "Done" and "Local intranet".



CallBack Softkey Template - 8

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccmadmin/softkeyTemplateLayoutEdit.do?key=f6247b94-9f13-61c2-bb0c-a5f3c1b1af0a&callState=8`. The page title is "Softkey Template Configuration - Microsoft Internet Explorer".

The main content area is titled "Softkey Template Configuration" and includes a "Status" section showing "Status: Ready". Below this is the "Softkey Layout Configuration" section, which is for the "Standard User_CallBack_jdivert" template. The "Call state to configure" is set to "Ring Out".

The configuration area is divided into two panes:

- Unselected Softkeys:** Contains "Toggle Do Not Disturb (DND)" and "Undefined (Undefined)".
- Selected Softkeys (ordered by position)**:** Contains "Undefined (Undefined)", "End Call (EndCall)", and "Call Back (CallBack)".

Navigation buttons for "Save" and "Reset" are present at the bottom of the configuration area. A legend indicates that "*" indicates a required item and "**" indicates a mandatory field.



PSTN Route Pattern Configuration – 1

The screenshot displays the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.110.254:8443/ccadmin/routePattern2Edit.do?key=a78d32ef-3d75-ef05-3bd8-3c9ca96556ba`. The page title is "Route Pattern Configuration".

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

Route Pattern Configuration | Related Links: [Back To Find/List](#)

Status: Ready

Pattern Definition

- Route Pattern*: 9.6503646325
- Route Partition: < None >
- Description:
- Numbering Plan: -- Not Selected --
- Route Filter: < None >
- MLPP Precedence*: Default
- Gateway/Route List*: S1/DS1-1@tonycmm (Edit)
- Route Option:
 - Route this pattern
 - Block this pattern: No Error
- Call Classification*: OffNet
- 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

Done | Local Intranet



PSTN Route Pattern Configuration – 2

The screenshot shows the Cisco Unified CM Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.110.254:8443/ccmadmin/routePattern2Edit.do?key=a78d32ef-3d75-ef05-3bd8-3c9ca96556ba>. The page title is "Route Pattern Configuration - Microsoft Internet Explorer".

The main content area is titled "Route Pattern Configuration" and includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCMAdministrator".

The configuration form includes the following sections:

- General Settings:** Includes checkboxes for "Allow Device Override", "Provide Outside Dial Tone" (checked), "Allow Overlap Sending", "Urgent Priority", "Require Forced Authorization Code", and "Require Client Matter Code". The "Authorization Level*" is set to "0".
- Calling Party Transformations:** Includes checkboxes for "Use Calling Party's External Phone Number Mask", "Calling Party Transform Mask", "Prefix Digits (Outgoing Calls)", "Calling Line ID Presentation*" (set to "Default"), and "Calling Name Presentation*" (set to "Default").
- Connected Party Transformations:** Includes "Connected Line ID Presentation*" (set to "Default") and "Connected Name Presentation*" (set to "Default").
- Called Party Transformations:** Includes "Discard Digits" (set to "< None >"), "Called Party Transform Mask", and "Prefix Digits (Outgoing Calls)".
- ISDN Network-Specific Facilities Information Element:** Includes "Network Service Protocol" (set to "-- Not Selected --"), "Carrier Identification Code", "Network Service" (set to "-- Not Selected --"), "Service Parameter Name" (set to "< Not Exist >"), and "Service Parameter Value".

At the bottom of the form, there are buttons for "Save", "Delete", "Copy", and "Add New". A note indicates that "*" indicates required items. The status bar at the bottom shows "Done" and "Local intranet".



```
!  
controller T1 1/1  
framing esf  
linecode b8zs  
pri-group timeslots 1-24 service mgcp  
!  
controller T1 1/2  
framing esf  
linecode b8zs  
!  
controller T1 1/3  
framing esf  
linecode b8zs  
!  
controller T1 1/4  
framing esf  
linecode b8zs  
!  
controller T1 1/5  
framing esf  
linecode b8zs  
!  
!  
!  
!  
interface GigabitEthernet1/0  
ip address 172.20.8.253 255.255.255.0  
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  
no cdp enable  
!  
interface Serial1/1:23  
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  
!  
ip default-gateway 172.20.8.1  
ip route 0.0.0.0 0.0.0.0 172.20.8.1  
!  
no ip http server  
no ip http secure-server  
!  
!  
control-plane  
!  
!
```



```
voice-port 1/0:23
!
voice-port 1/1:23
!
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server CM-BARZA
ccm-manager config
!
mgcp
mgcp call-agent CM-BARZA 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
!
dial-peer voice 2 pots
!
!
line con 0
password cisco
transport output all
line vty 0 4
exec-timeout 0 0
password cisco
login
transport input all
transport output all
!
!
end
```



Acronyms

Acronym	Definitions
ANF-PR	Additional Network Feature Path Replacement
CCM	Cisco Communications Manager
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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Printed in the USA