



# Alcatel 4400 Release 6.0, using E1 QSIG to Cisco Unified Communications Manager release 6.0

July 27, 2007

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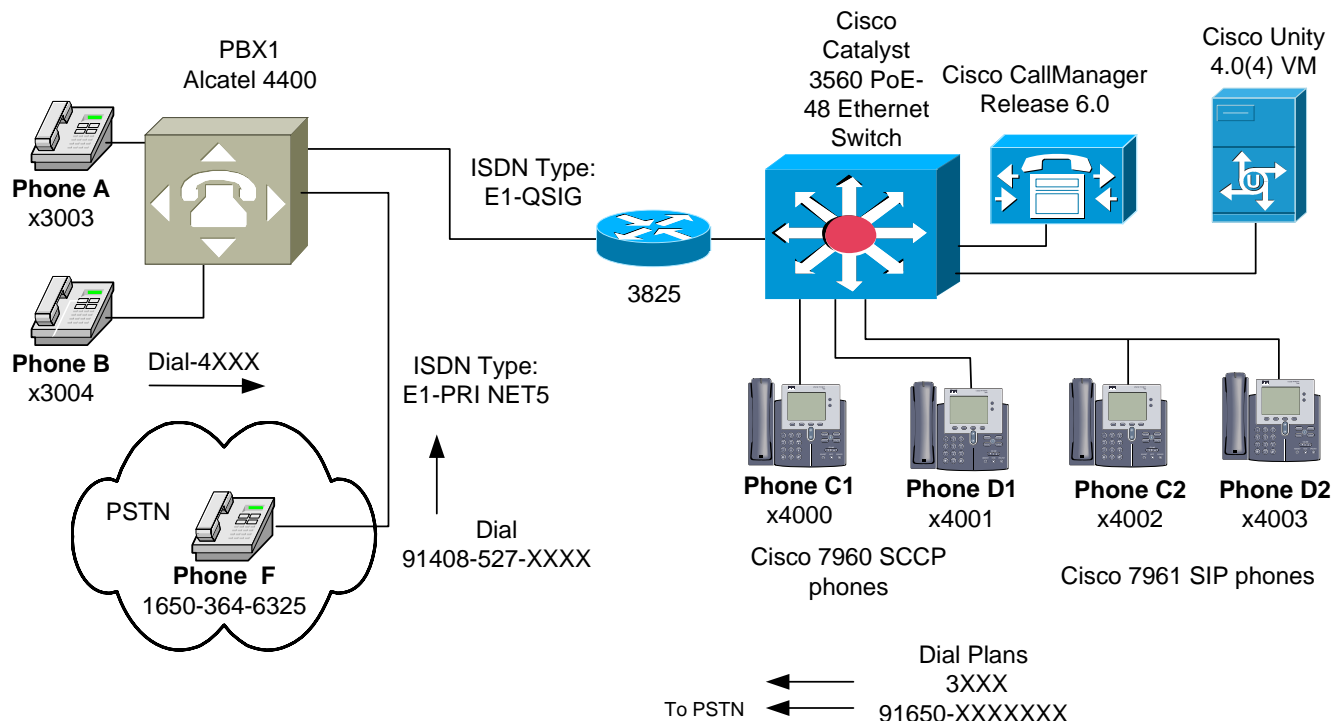
## Introduction

- This is an Application Note for connectivity between an Alcatel 4400 Release 6.0 PBX and Cisco Unified Communication Manager Release 6.0 using a Cisco 3825 voice gateway with MGCP and ISO QSIG protocol.
- The network topology diagrams (Figures 1 and 2) show the test setup for end-to-end interoperability with Cisco Unified Communication Manager Release 6.0 connected to the PBX via the 3825 E1 QSIG link as MGCP gateway. A NM-HDV and VWIC-2MFT-E1 were used for the E1 QSIG interfaces. Calls were made to test basic call, caller ID, conference, transfer, forward, call back, reroute, MWI, and path replacement features.
- Connectivity is achieved by using the QSIG ISDN switch type on the MGCP gateway with the Cisco Unified Communication Manager services parameter “QSIG variant” set to ISO, and ISO switch type on the Alcatel 4400 PBX.
- This Application Note uses the 3825 voice gateway. However, the use of other Cisco voice gateways is also an option since CUCM QSIG implementation does not depend on the physical interface.



## Network Topology

Figure 1. Basic Call Setup



## Limitations

### Basic Calls – Overlap

- Connected number is sent from Cisco Unified Communication Manager, but not displayed on Alcatel phone when call is placed from PBX to IP phone.

### Network/External Call Forward by Join

- The Alcatel PBX does not support call forward by join. Instead, the Alcatel PBX performs a reroute.

### MWI

- Unfortunately, Cisco has not been able to validate MWI function in our labs because we do not have an internal voicemail system on our Alcatel PBX.
- Cisco Unified Communication Manager can not be the message center PINX for stations on the Alcatel 4400 Release 6.0 PBX. This is because MWI across QSIG is not supported by the Alcatel 4400 Release 6.0 PBX.

## System Components

### Hardware Requirements

The following hardware is required:

- Cisco MCS 7800 Unified Communication Manager Appliance
- Cisco 3825 voice gateway
- Cisco 1700 voice gateway



- NM-HDV
- VWIC-2MFT-E1
- VIC-2FXS
- Analogue Phone Panasonic KX-TSC7
- Cisco Unified IP phone 7940
- Cisco Unified IP phone 7960
- (2) Cisco Unified IP phone 7961G-GE
- (2) Alcatel 4400 PBXs
- (4) PRA2 trunk cards
- (4) 4035 *Advanced Reflexes* digital phones

### Software Requirements

The following software is required:

- Cisco Unified Communication Manager Release 6.0
- Alcatel 4400 software release 6.0
- Cisco IOS Release 12.4(3a)

### Features

This section lists new and changed features and features that are not supported.

#### Features Supported

- Basic Call, ENBLOC
- Basic Call, Overlap (see Limitations section for additional information)
- Sending Alerting Name
- Sending Busy Name
- 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
- Tandem PSTN call
- Consultation Transfer – Local
- Consultation Transfer – Network/External
- Blind Transfer – Local



- Blind Transfer – Network/External
- Call Forward Unconditional by Join – Local
- Call Forward Unconditional by Join – Network/External (See Limitations section for details.)
- Call Forward Busy by Join – Local
- Call Forward Busy by Join – Network/External (See Limitations section for details.)
- Call Forward No Reply by Join – Local
- Call Forward No Reply by Join – Network/External (See Limitations section for details.)
- Call Forward Unconditional by Reroute – Network/External
- Call Forward Busy by Reroute – Network/External
- Call Forward No Reply by Reroute – Network/External
- Call Completion to Busy Subscriber (Call Back when Free)
- Call Completion on No Reply (Call Back Next Used)
- Path Replacement for Call Transfer by Join
- Path Replacement for Trombone Connection (accomplished by consultation transfer)

#### **Features Not Supported**

- Any Call Forward (CFU, CFB, CFNR) by join from PBX. PBX always performs a reroute.
- Path Replacement for Call Diversion by Forward Switch
- MWI (see Limitations section for details.)

#### **Configuration**

This section contains configuration menus and commands and describes configuration sequences and tasks.

#### **Configuring the Alcatel 4400 PBX**

1. System Software Release
2. Configure “ISO Function” System Parameter.
3. Configure Board.
4. Configure Digital Access
5. Configure PRI-ABC\_F Trunk Group
6. Configure PSTN Trunk Group
7. Configure Remote Network
8. Configure Network Routing
9. Configure Network routing for “Overlap”
10. Configure Network Routing “Own Node”.
11. Configure Digital Station
12. Configure Digital Station Phone Facilities



## Configuration Menus for Alcatel 4400 PBX

### System Software Version

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
  - 1
    - Prefix Plan
      - ## External Features
        - #0 External Features
        - #1 Local Features
        - #2 Set features Personal Directory Use
        - #3 Set features Cancel auto. callback on
        - #40 Set features Forward cancellation
        - #41 Set features Forward cancel.by des
        - #5 Set features Cancel Remote forward
        - #6 General Features
        - #7 General Features
        - #80 External Features
        - #81 Local Features
        - #82 Set features Cancel Overfl.to assoc
        - #83 Set features Sta. group exit
        - #86 External Features
        - #96 Local Features
        - #97 Local Features
        - #98 Local Features
        - #99 Local Features
        - \*#1 Local Features
        - \*#2 External Features
        - \*#3 External Features
        - \*\*900 Professional TG With Overlapping
        - \*\*901 Professional TG With Overlapping
        - \*\*903 Professional TG With Overlapping
        - \*\*904 Professional TG With Overlapping
        - \*\*905 Professional TG With Overlapping
        - \*\*906 Professional TG With Overlapping
        - \*\*907 Professional TG With Overlapping
        - \*\*908 Professional TG With Overlapping
        - \*\*909 Professional TG With Overlapping
        - \*\*910 Professional TG With Overlapping
        - \*\*911 Professional TG With Overlapping
        - \*0 External Features
        - \*1 External Features
        - \*2 Set features Personal directory Progr
        - \*3 Local Features
        - \*40 Set features Immediate forward
        - \*41 Set features Immediate forward on b
        - \*42 Set features Forward on no answer
        - \*43 Set features Forward on busy or no

Configuration

Node Number (reserved)	101
Software Version	R6.0
Version name	f1.602
CPU Id	e93f
Patch No.	3
Notes	
Object Identity	
Node Number (reserved)	101
Ethernet Notes	
Netmask	
Local CPU	
Name	nextiraone
IP Address	172.20.9.251
Twin CPU	
Name	
IP Address	
Main CPU	
Name	
IP Address	
Standby CPU	
Name	
IP Address	
SL Notes [ ]	
SL Notes	
Link Name	
Protocol	
Netmask	
Port	
IPX/25 Tunnel Notes	
Netmask	255.255.0.0
Local Node	
Name	x001001_tun

All Action



## Configure “ISO Function” System Parameter

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
  - 1 USA 1 1 No <English,Generic B
  - Other System Param.
    - 1 Yes Yes Yes No 1 16 1
      - Compression Param
      - Network Parameters
      - External Signaling Par
      - DISA Parameters
      - Local Features Param
      - Attendant Parameters
      - Voice Mail Parameters
      - Accounting Parameters
      - System Parameters
      - Spec. Customer Featu
      - MLA Parameters
      - Signaling String
    - SIO Parameters
    - Timers
    - Tones
    - Voice Guides
    - Incoming Greeting Guides
    - Alarm Set
    - Remote V24 Box
    - V24 Port
    - UA Set - Audio Parameters
    - PWT/DECT Audio Parameters
    - Z Board Audio Parameters
    - Tone detector Parameters
    - Migration Interfaces Config
    - Free Adresses
    - Free Numbers Ranges List
    - Free Directory Numbers
    - Dynamic Voice Guides
    - Broadcast
    - Software Package
    - ISDN Basic Call Control IE
    - Dynamic gain for port class
    - Z2 Board Dynamic Parameter
    - Z2 Board Initialization Param
    - Flash Voice Guide Configur
    - CLIP Timers
  - Translator
  - Classes of Service

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Instance (reserved)	1
Trunk seizure via attendant	<input checked="" type="checkbox"/>
No detect of On-hook tone	<input checked="" type="checkbox"/>
TrkGrp in ticket for trans.call	<input checked="" type="checkbox"/>
VPN service	<input type="checkbox"/>
ISVPN Node No.	1
No. Digits displayed on sets	16
Melody Ringing Type	1
Int.Call Ringing Cadence No.	1
Ext.Call Ringing Cadence No.	1
Executive Type Ringing Cadence No.	1
Priority Call Cadence No.	1
ISO Function	<input checked="" type="checkbox"/>
Reserve B Channel	<input checked="" type="checkbox"/>
No control: Business Account Code	<input type="checkbox"/>
Business Pref.With Business No.	<input checked="" type="checkbox"/>
Business prefix with code	<input type="checkbox"/>
Follow-Me on Remote forwarding	<input type="checkbox"/>
BC HLC Fax	1
VG Recording Gain from a UA set	3
Calling ID length	7
No. Of Secret Code Errors	0
Transfer All Business Call Types	<input checked="" type="checkbox"/>
Attend Stay PCX on cancel consult	<input type="checkbox"/>
Connectability RF	<input checked="" type="checkbox"/>

All

1



## Configure Board (Board 9)

Networks PCX

nextiraone

Shelf

- 0 ACT-10 Interfaces Main A
- Board
  - 0 MMSFD Unknown
  - 1 CPU6 Unknown E
  - 2 UA 32 Active Enab
  - 3 DPNSS2 Busy En
  - 4 PRA2 Busy Enabl
  - 5 PCM2 Idle Enable
  - 6 INTOFA Unknown
  - 7 Z12\_2 Active Enab
  - 8 EMTL Busy Enabl
  - 9 BPRA2 Busy Enabl
  - ATM port
  - ATM E1
  - ATM access
  - BBC2 Access
  - TA adapter
  - S0 Bus
  - Digital Access
  - Virtual Access
  - Transfix Access
  - Ethernet Access
  - Inter-ACT Link
  - ACT Or SU Ever
  - GPA DSP progr
  - Dynamic Init Pat
  - Signaling link
  - Signaling Link E
  - IBS
  - SOSM Boards
  - RFP
  - Ethernet Param
  - Voice Guide Ind
- 1 ACT-10 Interfaces Periph
- 19 Hybrid Peripheral ACT S

Media Gateway

PWT/DECT System

System

Translator

Classes of Service

Attendant

Users

Users by profile

Set Profile

Groups

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:0

Board Address	9
Interface Type	BPRA2
Usage State	Busy
Operational State	Enabled
Main/Standby State	Main (Master)
Number Of Sets Connected	4
Country Protocol Type	Default
Incidents Teleservice	YES
ISDN Board Layer 2 Parameters	
Retransmission Timer	100
TEI Identity Check Timer	100
Polling Timer	1000
No. Of Retransmissions	3
Max Frame Size (Bytes)	260
T0 ISDN Board Layer 2 Parameters	
Window Size In Frames SAPI S T0	1
Window Size In Frames SAPI P T0	3
T2 ISDN Board Layer 2 Parameters	
Window Size In Frames SAPI S T2	7
Window Size In Frames SAPI P T2	7
Virtual board	NO

All Action

1



## Configure Board (Board 9) Digital Access

The screenshot displays the Cisco configuration interface for a network device. The left pane shows a hierarchical tree of configuration options under the 'nextiraone' node. The right pane shows the configuration for 'nextiraone:0:9'.

**Configuration Table:**

nextiraone:0:9	
T0/T2 Access No.	0
Access Type	T2
Access Board Type	BPRA2
Synchronization Priority	255
Network Mode	NO
Max No Of Used B Channels	30
Max No. Of Compressed B Channels	0
Tieline Mode	YES
With Alarm	NO
Reserved1	NO
Reserved2	NO
Network Date Time Update	NO
CRC4	YES
Mu Law for BEARER CAP	NO





## Configure Board (Board 4)

The screenshot displays the Cisco configuration interface. On the left, a tree view shows the network hierarchy under 'nextiraone'. The 'Board' section is expanded, showing various boards, with '4 PRA2 Busy Enabled Main' selected. The main window shows the configuration for this board. The 'Configuration' tab is active, displaying a table of parameters and their values.

nextiraone:0	
Board Address	4
Interface Type	PRA2
Usage State	Busy
Operational State	Enabled
Main/Standby State	Main (Master)
Number Of Sets Connected	1
Country Protocol Type	Default
Incidents Teleservice	YES
ISDN Board Layer 2 Parameters	
Retransmission Timer	100
TEI Identity Check Timer	100
Polling Timer	1000
No. Of Retransmissions	3
Max Frame Size (Bytes)	260
Passive board	NO
SS7 signaling	NO
T2 ISDN Board Layer 2 Parameters	
Window Size In Frames SAPI S T2	7
Window Size In Frames SAPI P T2	7
Virtual board	NO



## Configure Board (Board 4) Digital Access

The screenshot displays the Cisco configuration interface for a digital access board. The left pane shows a hierarchical tree of configuration options, with 'Digital Access' selected under 'Board 4'. The right pane shows the configuration details for 'nextiraone:0:4'.

**Configuration Details:**

nextiraone:0:4	
T0/T2 Access No.	0
Access Type	T2
Access Board Type	PRA2
Synchronization Priority	255
Network Mode	YES
Max No Of Used B Channels	30
Max No. Of Compressed B Channels	0
Tieline Mode	YES
With Alarm	NO
Reserved1	NO
Reserved2	NO
Network Date Time Update	NO
CRC4	YES
Mu Law for BEARER CAP	NO



## Configure PRI-ABC\_F Trunk Group (Trunk Group 0 for Board 9) 1 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone	
Trunk Group ID	0
Trunk Group Type	T2
Trunk Group Name	PRI-ABCF
Node number	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	4
Channel selection type	Quantified
Remote Network	3
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing call	YES
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10

All



## Configure PRI-ABC\_F Trunk Group (Trunk Group 0 for Board 9) 2 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone

Trunk Group ID	0
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	4
Channel selection type	Quantified
Remote Network	3
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing call	YES
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10
Outgoing calls Restriction COS	10
Callee number mpt1 343	NO
Overlap dialing	YES

All



## Configure PRI-ABC\_F Trunk Group (Trunk Group 0 for Board 9) 3 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:0

Instance (reserved)	1
Trunk Group Type	T2
Public Network Ref.	
End-to-end dialing	NO
DTMF end-to-end signal	NO
Trunk group used in DISA	NO
DISA Secret Code	
VG for non-existent No.	YES
Routing To Manager	NO
Trunk COS	18
Sending of Progress message	YES
No. of digits unused (ISDN)	0
B Channel Choice	YES
Channels: Attendant Control (Rsvd)	0
Redirection For ACD (Dissuasion)	NO
DTO joining	NO
Consultation Call On B Channel	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO

All Action



## Configure PRI-ABC\_F Trunk Group (Trunk Group 0 for Board 9) 4 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:0

Instance (reserved)	1
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0
Charge Calling And ADN Creation	NO
Ratio analog.to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES
Use Split Access	NO
Heterogeneous Remote Network	NO
COS Restrictions - Barring mode	Not Restricted / Not barred
ARS Class of service	31
Quality profile for voice over IP	Profile #1
IP Compression Type	Default
Use of volume in system	YES
External Access Server	NO
CSTA Tracking MCDU Trk	
Announcement for dial tone	NO
Announcement for Ring tone	NO
Private to Public Overflow	YES

All Action





## Configure PRI-ABC\_F Trunk Group (Trunk Group 1 for Board 4) 1 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone

Trunk Group ID	1
Trunk Group Type	72
Trunk Group Name	PRI-ABCF
Node number	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	4
Channel selection type	Quantified
Remote Network	0
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing call	NO
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10

All





## Configure PRI-ABC\_F Trunk Group (Trunk Group 1 for Board 4) 2 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone

Trunk Group ID	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	4
Channel selection type	Quantified
Remote Network	0
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing call	NO
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10
Outgoing calls Restriction COS	10
Callee number mpt1343	NO
Overlap dialing	YES

All



## Configure PRI-ABC\_F Trunk Group (Trunk Group 1 for Board 4) 3 of 5

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Instance (reserved)	1
Trunk Group Type	T2
Public Network Ref.	
End-to-end dialing	NO
DTMF end-to-end signal.	NO
Trunk group used in DISA	NO
DISA Secret Code	
VG for non-existent No.	YES
Routing To Manager	NO
Trunk COS	18
Sending of Progress message	YES
No. of digits unused (ISDN)	0
B Channel Choice	YES
Channels: Attendant Control (Rsvd)	0
Redirection For ACD (Dissuasion)	NO
DTO joining	NO
Consultation Call On B Channel	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO

All Action



## Configure PRI-ABC\_F Trunk Group (Trunk Group 1 for Board 4) 4 of 5

Networks **PCX**

- Translator
  - 1
    - Prefix Plan
    - Suffix Plan
    - Numbering Plan
    - PIN (Personal Ident.No.)
    - Private Call Profile
    - External Numbering Plan
    - Network Routing Table
    - Automatic Route Selection
    - Filtered Called Number
    - ATM Address List
- Classes of Service
  - Attendant
  - Users
  - Users by profile
  - Set Profile
  - Groups
  - Speed Dialing
  - Phone Book
  - Entities
  - Trunk Groups
    - 0 T2 PRI-ABCF 1 No No -1 Yes N
      - Trunk Group
        - 1 T2 NO NO
          - T2/T1/T0 Access
          - Trunk
          - Virtual access for SIP
      - Trunk group NPD selector
    - 1 T2 PRI-ABCF 1 No No -1 Yes N
    - 3 LIA E M 2W 1 No No -1 Yes
    - 4 COMB / MIXED test 1 No No -1
    - 5 NDDI (BCA) NDDI 1 No No -1 N
    - 6 NDDI (BCA) NDDI 1 No No -1 Y
    - 7 T0 BRI-QSIG 1 No No -1 Yes No
    - 8 T0 BRI-ABCF 1 No No -1 Yes No
    - 9 T0 BRI-ISDN 1 No No -1 Yes No
    - 10 LIA E M 4W 1 No No -1 Yes
    - 11 LIA pcm2 1 No No -1 No
    - 12 T2 sip 1 No No -1 No No
    - 13 T2 VOIP\_101 1 No No -1 No N
    - 14 DPNSS dpnss\_NXO 1 No -1 N
    - 15 T2 SIP 1 No No -1 No No
  - External Services
  - Inter-Node Links
  - X25
  - DATA
  - Applications
  - Specific Telephone Services

Search **Users** In **nextiraone**

Users Where **Directory Number** **Equal**

**Configuration**

nextiraone:0	
Instance (reserved)	1
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0
Charge Calling And ADN Creation	NO
Ratio analog.to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES
Use Split Access	NO
Heterogeneous Remote Network	NO
COS Restrictions - Barring mode	Not Restricted / Not barred
ARS Class of service	31
Quality profile for voice over IP	Profile #1
IP Compression Type	Default
Use of volume in system	YES
External Access Server	NO
CSTA Tracking MCDU Trk	
Announcement for dial tone	NO
Announcement for Ring tone	NO
Private to Public Overflow	YES

**All Action**





## Configure PSTN Board 9 (1 of 1)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

Networks PCX

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf No N64 4 YES
  - 1 ACT-10 Interfaces Peripheral ACT Shelf No N64 4
- Board
  - 0 Address taken Unknown Enabled Main (Master)
  - 1 INTOFB Unknown Enabled Main (Master)
  - 2 PCM2 Idle Disabled Main (Master) 0
  - 3 INTIPA Active Enabled Main (Master)
  - 4 INTIPA Idle Enabled Main (Master)
  - 5 PCM2 Busy Disabled Main (Master) 30
  - 6 NPRAE Idle Disabled Main (Master) 0
  - 7 PCM2 Idle Disabled Main (Master) 0
  - 8 NDDI Busy Disabled Main (Master) 8
  - 9 PRA2 Busy Enabled Main (Master) 1
- ATM port
- ATM E1
- ATM access
- BBC2 Access
- TA adapter
- S0 Bus
- Digital Access
  - 0 T2 PRA2 255 YES 30 0
- Virtual Access
- Transfix Access
- Ethernet Access
- Inter-ACT Link
- ACT Or SU Events
- GPA DSP program
- Dynamic Init Parameters
- Signaling link
- Signaling Link Backup
- IBS
- SOSM Boards
- RFP
- Ethernet Parameters
- Voice Guide Index MG

- 19 Hybrid Peripheral ACT Shelf No N64 4 YES
- Media Gateway
- PWT/DECT System
- System
- Translator
- 1
  - Prefix Plan
    - # External Features
    - #0 External Features
    - #1 Local Features
    - #2 Set features Personal Directory Use
    - #3 Set features Cancel auto. callback on bu
    - #40 Set features Forward cancellation

Configuration

nextiraone:1

Board Address	9
Interface Type	PRA2
Usage State	Busy
Operational State	Enabled
Main/Standby State	Main (Master)
Number Of Sets Connected	1
Country Protocol Type	Default
Incidents Teleservice	YES
ISDN Board Layer 2 Parameters	
Retransmission Timer	100
TEI Identity Check Timer	100
Polling Timer	1000
No. Of Retransmissions	3
Max Frame Size (Bytes)	260
Passive board	NO
SS7 signaling	NO
T2 ISDN Board Layer 2 Parameters	
Window Size In Frames SAPI S T2	7
Window Size In Frames SAPI P T2	7
Virtual board	NO

All Action

1

Configuration: nextiraone



## Configure PSTN Board 9 Digital Access (1 of 1)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

Networks PCX

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf No N64 4 YES
  - 1 ACT-10 Interfaces Peripheral ACT Shelf No N64 4
  - Board
    - 0 Address taken Unknown Enabled Main (Master) 0
    - 1 INTOFB Unknown Enabled Main (Master) 0
    - 2 PCM2 Idle Disabled Main (Master) 0
    - 3 INTIPA Active Enabled Main (Master) 0
    - 4 INTIPA Idle Enabled Main (Master) 0
    - 5 PCM2 Busy Disabled Main (Master) 30
    - 6 NPRAE Idle Disabled Main (Master) 0
    - 7 PCM2 Idle Disabled Main (Master) 0
    - 8 NDDI Busy Disabled Main (Master) 8
    - 9 PRA2 Busy Enabled Main (Master) 1
    - ATM port
      - ATM E1
      - ATM access
      - BBC2 Access
      - TA adapter
      - S0 Bus
      - Digital Access
        - 0 T2 PRA2 255 YES 30 0
      - Virtual Access
      - Transfix Access
      - Ethernet Access
      - Inter-ACT Link
      - ACT Or SU Events
      - GPA DSP program
      - Dynamic Init Parameters
      - Signaling link
      - Signaling Link Backup
      - IBS
      - SOSM Boards
      - RFP
      - Ethernet Parameters
      - Voice Guide Index MG
- 19 Hybrid Peripheral ACT Shelf No N64 4 YES

- Media Gateway
- PWTIDECT System
- System
- Translator
- 1
  - Prefix Plan
    - ## External Features
    - #0 External Features
    - #1 Local Features
    - #2 Set features Personal Directory Use
    - #3 Set features Cancel auto. callback on busy
    - #40 Set features Forward cancellation

Configuration

nextiraone:1:9

T0/T2 Access No.	0
Access Type	T2
Access Board Type	PRA2
Synchronization Priority	255
Network Mode	YES
Max No. Of Used B Channels	30
Max No. Of Compressed B Channels	0
Tieline Mode	YES
With Alarm	NO
Reserved1	NO
Reserved2	NO
Network Date Time Update	NO
CRC4	YES
Mu Law for BEARER CAP	NO

All

1

Configuration: nextiraone



## Configure PSTN Trunk Group (Trunk Group 16 for Board 9) 1 of 4

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

Networks PCX

- Numbering Command Table
  - Code Table Authorization
    - Filtered Called Number
    - ATM Address List
- Classes of Service
  - Attendant
  - Users
    - Users by profile
    - Set Profile
  - Groups
  - Speed Dialing
  - Phone Book
  - Entities
- Trunk Groups
  - 0 T2 PRI-ABCF 1 No No -1 Yes No
  - 1 T2 PRI-ABCF 1 No No -1 Yes No
  - 3 LIA E M 2W 1 No No -1 Yes
  - 4 COMB / MIXED test 1 No No -1 No No
  - 5 NDDI (BCA) NDDI 1 No No -1 Yes No
  - 6 NDDI (BCA) NDDI 1 No No -1 Yes No
  - 7 T0 BRI-QSIG 1 No No -1 Yes No
  - 8 T0 BRI-ABCF 1 No No -1 Yes No
  - 9 T0 BRI-ISDN 1 No No -1 Yes No
  - 10 LIA E M 4W 1 No No -1 Yes
  - 11 LIA pcm2 1 No No -1 No
  - 12 T2 sip 1 No No -1 No No
  - 13 T2 VOIP\_101 1 No No -1 No No
  - 14 DPNSS dpnss\_NKO 1 No -1 No No
  - 15 T2 SIP 1 No No -1 No No
  - 16 T2 1 No No -1 Yes No
- Trunk Group
  - 1 T2 NO NO
    - T2/T1/T0 Access
      - 1-9-0 T2-1 01111111111111111011
    - Trunk
    - Virtual access for SIP
    - Trunk group NPD selector
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTouch

Configuration

nextiraone	
Trunk Group ID	16
Trunk Group Type	72
Trunk Group Name	
Node number	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	11
Channel selection type	Quantified
Remote Network	15
Shared Trunk Group	<input type="checkbox"/>
Auto DTMF dialing on outgoing call	YES
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10
Outgoing calls Restriction COS	10
Callee number mpt1343	NO
Overlap dialing	YES

All

1

Configuration: nextiraone





## Configure PSTN Trunk Group (Trunk Group 16 for Board 9) 2 of 4

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

Networks PCX

- Numbering Command Table
  - Code Table Authorization
  - Filtered Called Number
  - ATM Address List
- Classes of Service
  - Attendant
  - Users
    - Users by profile
    - Set Profile
  - Groups
  - Speed Dialing
  - Phone Book
  - Entities
- Trunk Groups
  - 0 T2 PRI-ABCF 1 No No -1 Yes No
  - 1 T2 PRI-ABCF 1 No No -1 Yes No
  - 3 LIA E M 2W 1 No No -1 Yes
  - 4 COMB / MIXED test 1 No No -1 No No
  - 5 NDDI (BCA) NDDI 1 No No -1 No No
  - 6 NDDI (BCA) NDDI 1 No No -1 Yes No
  - 7 T0 BRI-QSIG 1 No No -1 Yes No
  - 8 T0 BRI-ABCF 1 No No -1 Yes No
  - 9 T0 BRI-ISDN 1 No No -1 Yes No
  - 10 LIA E M 4W 1 No No -1 Yes
  - 11 LIA pcm2 1 No No -1 No
  - 12 T2 sip 1 No No -1 No No
  - 13 T2 VOIP\_101 1 No No -1 No No
  - 14 DPNSS dpnss\_NKO 1 No -1 No No
  - 15 T2 SIP 1 No No -1 No No
  - 16 T2 1 No No -1 Yes No
    - 1 T2 NO NO
      - T2/T1/T0 Access
        - 1-9-0 T2-1 01111111111111111011
      - Trunk
      - Virtual access for SIP
      - Trunk group NPD selector
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTouch

Configuration

nextiraone:16

Instance (reserved)	1
Trunk Group Type	72
Public Network Ref.	
End-to-end dialing	NO
DTMF end-to-end signal	NO
Trunk group used in DISA	NO
DISA Secret Code	
VG for non-existent No.	YES
Routing To Manager	NO
Trunk COS	19
Sending of Progress message	YES
No. of digits unused (ISDN)	0
B Channel Choice	NO
Channels: Attendant Control (Rsvd)	0
Redirection For ACD (Dissuasion)	NO
DTO joining	NO
Consultation Call On B Channel	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0
Charge Calling And ADN Creation	NO
Ratio analog to ISDN cost	
Logical Channel	1__15 & 17__31

All Action

1

Configuration: nextiraone





## Configure PSTN Trunk Group (Trunk Group 16 for Board 9) 3 of 4

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

Networks PCX

- Numbering Command Table
  - Code Table Authorization
  - Filtered Called Number
  - ATM Address List
- Classes of Service
  - Attendant
  - Users
    - Users by profile
    - Set Profile
  - Groups
  - Speed Dialing
  - Phone Book
  - Entities
- Trunk Groups
  - 0 T2 PRI-ABCF 1 No No -1 Yes No
  - 1 T2 PRI-ABCF 1 No No -1 Yes No
  - 3 LIA E M 2W 1 No No -1 Yes
  - 4 COMB / MIXED test 1 No No -1 No No
  - 5 NDDI (BCA) NDDI 1 No No -1 No No
  - 6 NDDI (BCA) NDDI 1 No No -1 Yes No
  - 7 T0 BRI-QSIG 1 No No -1 Yes No
  - 8 T0 BRI-ABCF 1 No No -1 Yes No
  - 9 T0 BRI-ISDN 1 No No -1 Yes No
  - 10 LIA E M 4W 1 No No -1 Yes
  - 11 LIA pcm2 1 No No -1 No
  - 12 T2 sip 1 No No -1 No No
  - 13 T2 VOIP\_101 1 No No -1 No No
  - 14 DPNSS dpnss\_NKO 1 No -1 No No
  - 15 T2 SIP 1 No No -1 No No
  - 16 T2 1 No No -1 Yes No
    - Trunk Group
      - 1 T2 NO NO
        - T2/T1/T0 Access
          - 1-9-0 T2-1 01111111111111111011
        - Trunk
        - Virtual access for SIP
        - Trunk group NPD selector
  - External Services
  - Inter-Node Links
  - X25
  - DATA
  - Applications
  - Specific Telephone Services
  - ATM
  - Events Routing Discriminator
  - Security and Access Control
  - IP
  - SIP
  - DHCP Configuration
  - IPTouch

Configuration

nextiraone:16

Instance (reserved)	1
Redirection For ACD (Dissuasion)	NO
DTO joining	NO
Consultation Call On B Channel	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNCall	YES
VPN TS %	50
CSTA-Monitored	NO
Max. % of trunks out CCD	0
Charge Calling And ADN Creation	NO
Ratio analog to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES
Use Split Access	NO
Heterogeneous Remote Network	NO
COS Restrictions - Barring mode	Not Restricted / Not barred
ARS Class of service	31
Quality profile for voice over IP	Profile #1
IP Compression Type	Default
Use of volume in system	YES
External Access Server	NO
CSTA Tracking MCDU Trk	
Announcement for dial tone	NO
Announcement for Ring tone	NO
Private to Public Overflow	YES

All Action

1

Configuration: nextiraone





## Configure Remote Network (Remote Network #3 for Trunk Group 0)

The screenshot displays the Cisco Unified Communications Manager (CUCM) configuration interface. On the left, the 'Networks' tree is expanded, showing the configuration for 'Remote Network #3 for Trunk Group 0'. The main configuration area is titled 'nextiraone:1' and contains the following fields:

nextiraone:1	
Network Number	3
Rank of First Digit to be Sent	1
Incoming identification prefix	
Protocol Type	QSIG-GF
Numbering Plan Descriptor ID	11
ARS Route list	0
Schedule number	-1
ATM Address ID	-1
Network call prefix	
City/Town Name	
Send City/Town Name	<input type="checkbox"/>
Associated Ext SIP gateway	-1

The interface also includes a search bar at the top, a 'Users' section with a search criteria of 'Directory Number' and 'Equal', and a bottom status bar showing 'All' and a page number of '1'.



## Configure Remote Network (Remote Network #0 for Trunk Group 1)

The screenshot displays the Cisco Unified Communications Manager (CUCM) configuration interface. On the left, a tree view shows the configuration hierarchy under 'Networks' > 'PCX'. The 'Network Routing Table' is expanded, showing a list of entries. The entry '0 1 QSIG-GF 11 0 -1 -1' is selected. The main pane on the right shows the 'Configuration' tab for 'nextiraone:1'. The configuration table is as follows:

nextiraone:1	
Network Number	0
Rank of First Digit to be Sent	1
Incoming identification prefix	
Protocol Type	QSIG-GF
Numbering Plan Descriptor ID	11
ARS Route list	0
Schedule number	-1
ATM Address ID	-1
Network call prefix	
City/Town Name	
Send City/Town Name	<input type="checkbox"/>
Associated Ext SIP gateway	-1

At the bottom of the interface, there is a status bar with the text 'All' and a page number '1'.



## Configure Remote Network (Remote Network #15 for Trunk Group 16)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

- Prefix Plan
- Suffix Plan
- Numbering Plan
- PIN (Personal Ident.No.)
- Private Call Profile
- External Numbering Plan
  - 1
    - Numbering Discriminator
      - 0 public
        - Discriminator Rule
          - 1 1 0 -1 11
          - 1408 1 0 -1 11
          - 1650 1 1 -1 11
          - 2 1 0 -1 11
          - 3 1 0 -1 11
          - 4 1 0 -1 11
          - 5 1 0 -1 11
          - 6 1 0 -1 11
          - 7 1 0 -1 11
          - 8 1 0 -1 11
          - 9 1 0 -1 10
        - 1 private
          - Numbering Plan Description (NPD)
          - DID numbering translator
          - Default DID num. translator
          - Node Access Prefix
          - Network Access Prefix
          - Ext.Callback Translation
          - Country Codes
      - Network Routing Table
        - 0 1 QSIG-GF 11 0 -1 -1
        - 1 1 QSIG-GF 11 0 -1 -1
        - 2 1 QSIG-GF 11 0 -1 -1
        - 3 1 QSIG-GF 11 0 -1 -1
        - 4 1 Dependant on Trunk Group Type 11 0 -1
        - 5 1 ABC\_F 11 0 -1 -1
        - 6 1 Dependant on Trunk Group Type 33 0 -1
        - 7 1 ABC\_F 11 0 -1 -1
        - 8 1 ABC\_F 11 0 -1 -1
        - 9 1 ABC\_F 11 0 -1 -1
        - 10 1 ABC\_F 11 0 -1 -1
        - 11 1 QSIG-GF 11 0 -1 -1
        - 12 1 QSIG-GF 11 0 -1 -1
        - 13 1 Dependant on Trunk Group Type 11 0
        - 14 1 ABC\_F 11 0 -1 -1
        - 15 1 Dependant on Trunk Group Type 11 1
      - Automatic Route Selection
        - 1
          - ARS Route list

Configuration

nextiraone:1

Network Number	15
Rank of First Digit to be Sent	1
Incoming identification prefix	
Protocol Type	Dependant on Trunk Group Type
Numbering Plan Descriptor ID	11
ARS Route list	1
Schedule number	-1
ATM Address ID	-1
Network call prefix	
City/Town Name	
Send City/Town Name	<input type="checkbox"/>
Associated Ext SIP gateway	-1

All

1

Configuration: nextiraone



## Configure Network Routing 4XXX (Trunk Group 0)

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Number	4
Prefix Meaning	Routing No.
Network Number	3
Node Number/ABC-F Trunk Group	0
Number of Digits	4
Number With Subaddress (ISDN)	NO
Default X25 ID.pref.	NO

All

1



## Configure Network Routing 6XXX (Trunk Group 1)

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Number	6
Prefix Meaning	Routing No.
Network Number	0
Node Number/ABC-F Trunk Group	1
Number of Digits	4
Number With Subaddress (ISDN)	NO
Default X25 ID pref.	NO

All

1



## Configure Network routing for “Overlap” (Trunk Group 0)

The screenshot displays the Cisco Unified Communications Manager (CUCM) configuration interface. The left pane shows the 'Networks' tree with 'nextiraone' selected. The right pane shows the 'Configuration' tab for 'nextiraone:1'. The 'Number' field is set to '\*\*900'. The 'Prefix Meaning' is 'Professional TG With Overlapping'. The 'Prefix Information' is '0'. The 'Private Route type' checkbox is unchecked.

nextiraone:1	
Number	**900
Prefix Meaning	Professional TG With Overlapping
Prefix Information	0
Private Route type	<input type="checkbox"/>





## Configure Network Routing Automatic Route Selection (ARS) for PSTN (1 of 7)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

- 95 Local Features
  - \*98 Local Features
  - \*99 External Features
- 2 Routing No. 2 4 4
- 3040 Direct Speed Dialing No. 0
- 3100 Local Features
- 3123 Direct Speed Dialing No. 1
- 3180 Direct Speed Dialing No. 2
- 3999 Individ.Attendant Call 0
- 4 Routing No. 3 0 4
- 6 Routing No. 0 1 4
- 7002 Direct Speed Dialing No. 4
- 9 ARS Prof.Trq Grp Seizure
  - Suffix Plan
  - Numbering Plan
    - PIN (Personal Ident.No.)
    - Private Call Profile
    - External Numbering Plan
  - 1
    - Numbering Discriminator
      - 0 public
        - Discriminator Rule
          - 1 1 0 -1 11
          - 1408 1 0 -1 11
          - 1650 1 1 -1 11
          - 2 1 0 -1 11
          - 3 1 0 -1 11
          - 4 1 0 -1 11
          - 5 1 0 -1 11
          - 6 1 0 -1 11
          - 7 1 0 -1 11
          - 8 1 0 -1 11
          - 9 1 0 -1 10
        - 1 private
          - Numbering Plan Description (NPD)
          - DID numbering translator
          - Default DID num. translator
          - Node Access Prefix
          - Network Access Prefix
          - Ext.Callback Translation
          - Country Codes
      - Network Routing Table
      - Automatic Route Selection
        - 1
          - ARS Route list
            - 0 PSTN to CCM
              - ARS Route
                - 1 PSTN TO CUCM 0 0 0 0 De
              - Time-based Route List
            - 1 CUCM TO PSTN

Configuration

nextiraone:1

Number	9
Prefix Meaning	ARS Prof.Trq Grp Seizure
Discriminator No.	0

All

1

Configuration: nextiraone



## Configure Network Routing Automatic Route Selection (ARS) for PSTN (2 of 7)

File Applications Security Preferences Configuration Windows Help

Configuration: nextiraone

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Networks

PCX

- \*95 Local Features
- \*98 Local Features
- \*99 External Features
- 2 Routing No. 2 4 4
- 3040 Direct Speed Dialing No. 0
- 3100 Local Features
- 3123 Direct Speed Dialing No. 1
- 3180 Direct Speed Dialing No. 2
- 3999 Individ Attendant Call 0
- 4 Routing No. 3 0 4
- 6 Routing No. 0 1 4
- 7002 Direct Speed Dialing No. 4
- 9 ARS Prof.Trg Grp Seizure
- Suffix Plan
- Numbering Plan
- PIN (Personal Ident.No.)
- Private Call Profile
- External Numbering Plan
- 1
- Numbering Discriminator
- 0 public
- Discriminator Rule
  - 1 1 0 -1 11
  - 1408 1 0 -1 11
  - 1650 1 1 -1 11
  - 2 1 0 -1 11
  - 3 1 0 -1 11
  - 4 1 0 -1 11
  - 5 1 0 -1 11
  - 6 1 0 -1 11
  - 7 1 0 -1 11
  - 8 1 0 -1 11
  - 9 1 0 -1 10
- 1 private
- Numbering Plan Description (NPD)
- DID numbering translator
- Default DID num. translator
- Node Access Prefix
- Network Access Prefix
- Ext.Callback Translation
- Country Codes
- Network Routing Table
- Automatic Route Selection
- 1
- ARS Route list
- 0 PSTN to CCM
- ARS Route
  - 1 PSTN to CUCM 0 0 0 0 De
- Time-based Route List
- 1 CUCM TO PSTN

Configuration

nextiraone:1:1:0

Call Number	1408
Area Number	1
ARS Route List Number	0
Schedule Number	-1
Number of Digits	11

All

1

Configuration: nextiraone



## Configure Network Routing Automatic Route Selection (ARS) for PSTN (3 of 7)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

- 95 Local Features
  - \*98 Local Features
  - \*99 External Features
- 2 Routing No. 2 4 4
- 3040 Direct Speed Dialing No. 0
- 3100 Local Features
- 3123 Direct Speed Dialing No. 1
- 3180 Direct Speed Dialing No. 2
- 3999 Individ.Attendant Call 0
- 4 Routing No. 3 0 4
- 6 Routing No. 0 1 4
- 7002 Direct Speed Dialing No. 4
- 9 ARS Prof.Trig Grp Seizure
- Suffix Plan
- Numbering Plan
  - PIN (Personal Ident.No.)
  - Private Call Profile
  - External Numbering Plan
- 1
  - 0 public
    - Numbering Discriminator
      - 0 public
        - Discriminator Rule
          - 1 1 0 -1 11
          - 1408 1 0 -1 11
          - 1650 1 1 -1 11
          - 2 1 0 -1 11
          - 3 1 0 -1 11
          - 4 1 0 -1 11
          - 5 1 0 -1 11
          - 6 1 0 -1 11
          - 7 1 0 -1 11
          - 8 1 0 -1 11
          - 9 1 0 -1 10
    - 1 private
      - Numbering Plan Description (NPD)
      - DID numbering translator
      - Default DID num. translator
      - Node Access Prefix
      - Network Access Prefix
      - Ext.Callback Translation
      - Country Codes
  - Network Routing Table
  - Automatic Route Selection
    - 1
      - ARS Route list
        - 0 PSTN to CCM
          - ARS Route
            - 1 PSTN TO CUCM 0 0 0 0 De
        - Time-based Route List
        - 1 CUCM TO PSTN

### Configuration

nextiraone:1:1:0

Call Number	1650
Area Number	1
ARS Route List Number	1
Schedule Number	-1
Number of Digits	11

All

Configuration: nextiraone



## Configure Network Routing Automatic Route Selection (ARS) for PSTN (4 of 7)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

- 1400 1 0-1 11
- 1650 1 1-1 11
- 2 1 0-1 11
- 3 1 0-1 11
- 4 1 0-1 11
- 5 1 0-1 11
- 6 1 0-1 11
- 7 1 0-1 11
- 8 1 0-1 11
- 9 1 0-1 10
- 1 private
  - Numbering Plan Description (NPD)
  - DID numbering translator
    - Default DID num. translator
    - Node Access Prefix
    - Network Access Prefix
    - Ext.Callback Translation
    - Country Codes
  - Network Routing Table
    - Automatic Route Selection
      - 1
        - ARS Route list
          - 0 PSTN to CCM
            - ARS Route
              - 1 PSTN TO CUCM 0 0 0 0 De
            - Time-based Route List
          - 1 CUCM TO PSTN
            - ARS Route
              - 1 CUCM to PSTN 16 0 0 0 De
            - Time-based Route List
          - ARS Schedule
          - ARS Calendar
          - Numbering Command Table
          - Code Table Authorization
        - Filtered Called Number
        - ATM Address List
      - Classes of Service
      - Attendant
      - Users
        - Users by profile
        - Set Profile
      - Groups
      - Speed Dialing
      - Phone Book
      - Entities
      - Trunk Groups
        - 0 T2 PRI-ABCF 1 No No -1 Yes No
        - 1 T2 PRI-ABCF 1 No No -1 Yes No
        - 3 LIA E M 2W 1 No No -1 Yes
        - 4 COMB / MIXED test 1 No No -1 No No

Configuration

nextiraone:1:1

ARS Route list	0
Name	PSTN to CCM

All

1

Configuration: nextiraone



## Configure Network Routing Automatic Route Selection (ARS) for PSTN (5 of 7)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

- 1400 10-11
- 1650 11-11
- 210-11
- 310-11
- 410-11
- 510-11
- 610-11
- 710-11
- 810-11
- 910-11
- 1 private
  - Numbering Plan Description (NPD)
  - DID numbering translator
    - Default DID num. translator
    - Node Access Prefix
    - Network Access Prefix
    - Ext. Callback Translation
  - Country Codes
  - Network Routing Table
    - Automatic Route Selection
      - 1
        - ARS Route list
          - 0 PSTN to CCM
            - ARS Route
              - 1 PSTN TO CUCM 0 0 0 0 De
            - Time-based Route List
          - 1 CUCM TO PSTN
            - ARS Route
              - 1 CUCM to PSTN 16 0 0 0 De
            - Time-based Route List
        - ARS Schedule
        - ARS Calendar
        - Numbering Command Table
        - Code Table Authorization
      - Filtered Called Number
      - ATM Address List
    - Classes of Service
    - Attendant
    - Users
      - Users by profile
      - Set Profile
    - Groups
    - Speed Dialing
    - Phone Book
    - Entities
    - Trunk Groups
      - 0 T2 PRI-ABCF 1 No No -1 Yes No
      - 1 T2 PRI-ABCF 1 No No -1 Yes No
      - 3 LJA E M 2W 1 No No -1 Yes
      - 4 COMB / MIXED test 1 No No -1 No No
      - 5 NPD LJA M 2W 1 No No -1 No No

Configuration

nextiraone:1:1:0

Route	1
Name	PSTN TO CUCM
Trunk Group	0
No.Digits To Be Removed	0
Digits To Add	
Numbering Command Tabl. ID	0
VPN Cost Limit	0
Protocol Type	Dependant on Trunk Group Type
NPD identifier	11
Route Type	Public
ATM Address ID	-1
Preempter	<input type="checkbox"/>
Quality [ ]	Speech
	Fax
	Restricted Digital Information
	Unrestricted Digital Information

All

1

Configuration: nextiraone





## Configure Network Routing Automatic Route Selection (ARS) for PSTN (7 of 7)

File Applications Security Preferences Configuration Windows Help

Log on to 4760

Directory

Configuration

Reports

Alarms

Scheduler

Maintenance

Configuration: nextiraone

PCX

1650 11-1 11  
2 1 0-1 11  
3 1 0-1 11  
4 1 0-1 11  
5 1 0-1 11  
6 1 0-1 11  
7 1 0-1 11  
8 1 0-1 11  
9 1 0-1 10

1 private

Numbering Plan Description (NPD)

DID numbering translator

Default DID num. translator

Node Access Prefix

Network Access Prefix

Ext.Callback Translation

Country Codes

Network Routing Table

Automatic Route Selection

1

ARS Route list

0 PSTN to CCM

ARS Route

1 PSTN to CUCM 0 0 0 0 De

Time-based Route List

1 CUCM to PSTN

ARS Route

1 CUCM to PSTN 16 0 0 0 De

Time-based Route List

ARS Schedule

ARS Calendar

Numbering Command Table

Code Table Authorization

Filtered Called Number

ATM Address List

Classes of Service

Attendant

Users

Users by profile

Set Profile

Groups

Speed Dialing

Phone Book

Entities

Trunk Groups

0 T2 PRI-ABCF 1 No No -1 Yes No

1 T2 PRI-ABCF 1 No No -1 Yes No

3 LIA E M 2W 1 No No -1 Yes

4 COMB / MIXED test 1 No No -1 No No

Configuration

nextiraone:1:1:1

Route	1
Name	CUCM to PSTN
Trunk Group	16
No.Digits To Be Removed	0
Digits To Add	
Numbering Command Tabl. ID	0
VPN Cost Limit	0
Protocol Type	Dependant on Trunk Group Type
NPD identifier	11
Route Type	Public
ATM Address ID	-1
Preempter	<input type="checkbox"/>
Quality [ ]	Speech

All

1

Configuration: nextiraone



## Configure Network routing for “Overlap” (Trunk Group 1)

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- 1
- Prefix Plan
  - ## External Features
  - #0 External Features
  - #1 Local Features
  - #2 Set features Personal I
  - #3 Set features Cancel au
  - #40 Set features Forward
  - #41 Set features Forward
  - #5 Set features Cancel Re
  - #6 General Features
  - #7 General Features
  - #80 External Features
  - #81 Local Features
  - #82 Set features Cancel C
  - #83 Set features Sta. grou
  - #86 External Features
  - #96 Local Features
  - #97 Local Features
  - #98 Local Features
  - #99 Local Features
  - \*#1 Local Features
  - \*#2 External Features
  - \*#3 External Features
  - \*\*900 Professional TG Wi
  - \*\*901 Professional TG Wi**
  - \*\*903 Professional TG Wi
  - \*\*904 Professional TG Wi
  - \*\*905 Professional TG Wi
  - \*\*906 Professional TG Wi
  - \*\*907 Professional TG Wi
  - \*\*908 Professional TG Wi
  - \*\*909 Professional TG Wi
  - \*\*910 Professional TG Wi
  - \*\*911 Professional TG Wi
  - \*0 External Features
  - \*1 External Features
  - \*2 Set features Personal c
  - \*3 Local Features
  - \*40 Set features Immedia
  - \*41 Set features Immedia
  - \*42 Set features Forward
  - \*43 Set features Forward

Search Users

In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Number	**901
Prefix Meaning	Professional TG With Overlapping
Prefix Information	1
Private Route type	<input type="checkbox"/>

All





Configure Network Routing “Own Node”. (Required to enable ‘Path Replacement’)

Networks PCX

Search Users In nextiraone

Users Where Directory Number Equal

Configuration

nextiraone:1

Number	3100
Prefix Meaning	Local Features
Local Features	PCX address in DPNSS

All

1

\*701 Professional trunk se  
\*703 Professional trunk se  
\*704 Professional trunk se  
\*705 Professional trunk se  
\*706 Professional trunk se  
\*707 Professional trunk se  
\*708 Professional trunk se  
\*709 Professional trunk se  
\*710 Professional trunk se  
\*711 Professional trunk se  
\*713 Professional trunk se  
\*714 Professional TG With  
\*80 Set features Accountin  
\*81 Local Features  
\*82 Set features Overfl.on  
\*83 Set features Sta. grou  
\*84 Set features Protect. a  
\*85 Set features Lock  
\*86 Set features Set In/Ou  
\*87 Set features Passwor  
\*88 Set features Languag  
\*89 Set features Associat  
\*90 Local Features  
\*91 Set features Adjust Di  
\*92 Local Features  
\*93 Local Features  
\*94 Local Features  
\*95 Local Features  
\*98 Local Features  
\*99 External Features  
2 Routing No. 2 4 4  
3040 Direct Speed Dialing  
3100 Local Features  
3123 Direct Speed Dialing  
3180 Direct Speed Dialing  
3999 Individ.Attendant Cal  
4 Routing No. 3 0 4  
6 Routing No. 0 1 4  
7002 Direct Speed Dialing  
9 ARS Prof.Trig Grp Seizur  
Suffix Plan  
Numbering Plan  
PIN (Personal Ident.No.)  
Private Call Profile  
External Numbering Plan  
Network Routing Table  
Automatic Route Selection



## Configure Digital Station 1 of 5

Networks PCX

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf
  - 1 ACT-10 Interfaces Peripheral ACT
  - 19 Hybrid Peripheral ACT Shelf No N
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
  - 3001 Jack Doe 1 0 2 1 4035T 1
  - 3002 Jill Doe 1 0 2 2 4035T 1
  - 3003 Jane Doe 1 0 2 3 4035T 1**
  - 3004 Big Doe 1 0 2 4 4035T 1
  - 3010 alcatel ipphone1 1 255 255 25
  - 3011 Alcatel IPP2 1 255 255 255 40
  - 3012 1 255 255 255 4022 (4020 &
  - 3032 Mummy Doe 1 0 7 0 ANALOG
  - 3033 Daddy Doe 1 0 7 1 ANALOG 1
  - 3034 Brother Doe 1 0 7 2 ANALOG
  - 3035 Sister Doe 1 0 7 3 ANALOG 1
  - 3038 uk\_test\_1 1 255 255 255 IPTc
  - 3039 uk\_test\_2 1 255 255 255 IPTc
  - 3050 Alcatel SIP0 1 255 255 255 Ex
  - 3051 Alcatel SIP1 1 255 255 255 Ex
  - 7000 Little Doe 1 0 2 5 4035T 1
  - 7001 Doe Doe 1 0 2 6 4035T 1
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTouch

Configuration

nextiraone

Directory Number	3003
Directory name	Jane Doe
Directory First Name	
Location Node	1
Shelf Address	0
Board Address	2
Equipment Address	3
Set Type	4035T
Entity Number	1
Set Function	Default
Profile Name	
Key Profiles	None
Domain Identifier	0
Add On Module 1	None
Add On Module 2	None
Add On Module 3	None
External Alphanumeric Keyboard	None
Internal Alphanum.Keyboard	English
V24 Extension	<input type="checkbox"/>
S0 Extension	<input type="checkbox"/>
MAC/PC	NO
Z Adapter	<input type="checkbox"/>
Language ID	1
Secret Code	****
Associated Set No.	3003
Cost Center ID	255
Cost Center Name	
Charging COS	Justified
Public Network COS	2
External Forwarding COS	255
Phone Feature COS	0

General Characteristics PIN Assoc.Sets Rights Profile VoiceMail

Facilities Set Characteristics Hotel SIP\_Attributes Miscellaneous All Action



## Configure Digital Station 2 of 5

Networks PCX

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf
  - 1 ACT-10 Interfaces Peripheral ACT
  - 19 Hybrid Peripheral ACT Shelf No
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
  - 3001 Jack Doe 1 0 2 1 4035T 1
  - 3002 Jill Doe 1 0 2 2 4035T 1
  - 3003 Jane Doe 1 0 2 3 4035T 1
  - 3004 Big Doe 1 0 2 4 4035T 1
  - 3010 alcatel ipphone1 1 255 255 25
  - 3011 Alcatel IPP2 1 255 255 255 40
  - 3012 1 255 255 255 4022 (4020 &
  - 3032 Mummy Doe 1 0 7 0 ANALOG 1
  - 3033 Daddy Doe 1 0 7 1 ANALOG 1
  - 3034 Brother Doe 1 0 7 2 ANALOG 1
  - 3035 Sister Doe 1 0 7 3 ANALOG 1
  - 3038 uk\_test\_1 1 255 255 255 IPTc
  - 3039 uk\_test\_2 1 255 255 255 IPTc
  - 3050 Alcatel SIP0 1 255 255 255 Ed
  - 3051 Alcatel SIP1 1 255 255 255 Ed
  - 7000 Little Doe 1 0 2 5 4035T 1
  - 7001 Doe Doe 1 0 2 6 4035T 1
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTnuch

Configuration

nextiraone

Directory Number	3003
External Forwarding COS	255
Phone Features COS	0
Connection COS	0
Hunt Group Dir No.	
ACD Group Directory No.	
Pickup Group Name	
Reserved Time Slot	<input type="checkbox"/>
Voice Mail Dir.No.	
Voice Mail Type	No Voice Mail
Paging Trunk Group	255
Paging Beeper	
Called Associated DECT set	
Tele-Marketing Agent	<input type="checkbox"/>
ISDN User	
External	<input checked="" type="checkbox"/>
Internal	<input checked="" type="checkbox"/>
Display ext. calling number	<input checked="" type="checkbox"/>
ISDN Teleservice	Phone
Hotel-Set Operation	Administrative
Use Type Of Dir. No.	Normal
Number Of Set Users	1
Dial by name and text msg.	NO
Multi-line station	NO
Multi-Line Properties	
Automatic Incoming Seizure	<input type="checkbox"/>
Automatic Outgoing Seizure	<input type="checkbox"/>
Selective Filtering	<input type="checkbox"/>
Overflow on no answer	<input type="checkbox"/>
Overflow on busy	<input type="checkbox"/>
Supervision at off-hook	<input type="checkbox"/>

General Characteristics PIN Assoc.Sets Rights Profile VoiceMail

Facilities Set Characteristics Hotel SIP\_Attributes Miscellaneous All Action



## Configure Digital Station 3 of 5

Networks PCX

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf
  - 1 ACT-10 Interfaces Peripheral ACT
  - 19 Hybrid Peripheral ACT Shelf No N
- Media Gateway
  - PWT/DECT System
- System
  - Translator
- Classes of Service
- Attendant
- Users
  - 3001 Jack Doe 1 0 2 1 4035T 1
  - 3002 Jill Doe 1 0 2 2 4035T 1
  - 3003 Jane Doe 1 0 2 3 4035T 1
  - 3004 Big Doe 1 0 2 4 4035T 1
  - 3010 alcatel ipphone1 1 255 255 25
  - 3011 Alcatel IPP2 1 255 255 255 40
  - 3012 1 255 255 255 4022 (4020 &
  - 3032 Mummy Doe 1 0 7 0 ANALOG
  - 3033 Daddy Doe 1 0 7 1 ANALOG 1
  - 3034 Brother Doe 1 0 7 2 ANALOG
  - 3035 Sister Doe 1 0 7 3 ANALOG 1
  - 3038 uk\_test\_1 1 255 255 255 IPTc
  - 3039 uk\_test\_2 1 255 255 255 IPTc
  - 3050 Alcatel SIP0 1 255 255 255 Ex
  - 3051 Alcatel SIP1 1 255 255 255 Ex
  - 7000 Little Doe 1 0 2 5 4035T 1
  - 7001 Doe Doe 1 0 2 6 4035T 1
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTouch

Configuration

nextiraone

Directory Number	3003
Supervision at off-hook	<input type="checkbox"/>
Automatic Outgoing Seizure for MLA	<input type="checkbox"/>
Dialed number masked	NO
Access Code to UUS messages	NO
Routing Table	0
Associated Videophone	<input type="checkbox"/>
VIP (Very Important Pers.)	<input type="checkbox"/>
Assistant Directory Number	3003
Calls Priority	0
PCBT Associated	NO
Urgent Call	NO
PIN (Personal Ident.No.)	
PIN No.	
PIN With Secret Code	<input checked="" type="checkbox"/>
Type of control	By COS
PIN group number	1
Can be Called/Dialed By Name	YES
Phone book Name (Dial by name)	Jane Doe
Phone book First Name	
Displayed Name	Jane Doe
Remote UA	<input type="checkbox"/>
Errors on Secret Code Counter	0
ACD station	NO
NS Right (Notification server)	NO
Incidents Teleservice	NO
CSTA routing	<input type="checkbox"/>
Voice Guide listening Class	7
Caller COS	4
VSI Transparency	<input type="checkbox"/>
Type of Keyboard	Default keyboard

General Characteristics PIN Assoc.Sets Rights Profile VoiceMail

Facilities Set Characteristics Hotel SIP\_Attributes Miscellaneous All Action



## Configure Digital Station 4 of 5

**Networks** **PCX**

nextiraone

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf
  - 1 ACT-10 Interfaces Peripheral ACT
  - 19 Hybrid Peripheral ACT Shelf No
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
  - 3001 Jack Doe 1 0 2 1 4035T 1
  - 3002 Jill Doe 1 0 2 2 4035T 1
  - 3003 Jane Doe 1 0 2 3 4035T 1**
  - 3004 Big Doe 1 0 2 4 4035T 1
  - 3010 alcatel ipphone1 1 255 255 25
  - 3011 Alcatel IPP2 1 255 255 255 40
  - 3012 1 255 255 255 4022 (4020 &
  - 3032 Mummy Doe 1 0 7 0 ANALOG 1
  - 3033 Daddy Doe 1 0 7 1 ANALOG 1
  - 3034 Brother Doe 1 0 7 2 ANALOG 1
  - 3035 Sister Doe 1 0 7 3 ANALOG 1
  - 3038 uk\_test\_1 1 255 255 255 IPTc
  - 3039 uk\_test\_2 1 255 255 255 IPTc
  - 3050 Alcatel SIP0 1 255 255 255 Ext
  - 3051 Alcatel SIP1 1 255 255 255 Ext
  - 7000 Little Doe 1 0 2 5 4035T 1
  - 7001 Doe Doe 1 0 2 6 4035T 1
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTrunk

**Configuration**

nextiraone

Directory Number	3003
VSI Transparency	<input type="checkbox"/>
Type of Keyboard	Default keyboard
Errors on Business Code Counter	0
STAP	Off-hook
Tandem	
Tandem Directory Number	
Main set in the tandem	<input type="checkbox"/>
Partial busy	<input type="checkbox"/>
Ring in partial busy	Long Ring
Specific supervision	<input type="checkbox"/>
Use Personal Calling Number	<input type="checkbox"/>
UA 3G features	
Emulation	UA 3G
4035 Features	
Navigator	UA 3G
Group PIN control	No group
CCA Operations	<input type="checkbox"/>
A4980	No 4980
Z IVR	<input type="checkbox"/>
NOMADIC	<input type="checkbox"/>
TAPI premium server	NO
Conference group	-1
Announcement group	-1
Call Restriction COS	0
Applicable Restriction COS	0
Implicit Priority	
Activation mode	0
Priority Level	0
Explicit Priority	
Activation mode	0

**General Characteristics** **PIN** **Assoc.Sets** **Rights** **Profile** **VoiceMail**

**Facilities** **Set Characteristics** **Hotel** **SIP\_Attributes** **Miscellaneous** **All** **Action**



## Configure Digital Station 5 of 5

**Networks** **PCX**

**nextiraone**

- Shelf
  - 0 ACT-10 Interfaces Main ACT Shelf
  - 1 ACT-10 Interfaces Peripheral ACT
  - 19 Hybrid Peripheral ACT Shelf No N
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
  - 3001 Jack Doe 1 0 2 1 4035T 1
  - 3002 Jill Doe 1 0 2 2 4035T 1
  - 3003 Jane Doe 1 0 2 3 4035T 1
  - 3004 Big Doe 1 0 2 4 4035T 1
  - 3010 alcatel ipphone1 1 255 255 25
  - 3011 Alcatel IPP2 1 255 255 255 40
  - 3012 1 255 255 255 4022 (4020 &
  - 3032 Mummy Doe 1 0 7 0 ANALOG
  - 3033 Daddy Doe 1 0 7 1 ANALOG 1
  - 3034 Brother Doe 1 0 7 2 ANALOG
  - 3035 Sister Doe 1 0 7 3 ANALOG 1
  - 3038 uk\_test\_1 1 255 255 255 IPTC
  - 3039 uk\_test\_2 1 255 255 255 IPTC
  - 3050 Alcatel SIP0 1 255 255 255 Ex
  - 3051 Alcatel SIP1 1 255 255 255 Ex
  - 7000 Little Doe 1 0 2 5 4035T 1
  - 7001 Doe Doe 1 0 2 6 4035T 1
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
- External Services
- Inter-Node Links
- X25
- DATA
- Applications
- Specific Telephone Services
- ATM
- Events Routing Discriminator
- Security and Access Control
- IP
- SIP
- DHCP Configuration
- IPTruch

**Configuration**

**nextiraone**

<b>Directory Number</b>	3003
Navigator	UA 3G
Group PIN control	No group
CCA Operations	<input type="checkbox"/>
A4980	No 4980
Z IVR	<input type="checkbox"/>
NOMADIC	<input type="checkbox"/>
TAPI premium server	NO
Conference group	-1
Announcement group	-1
Call Restriction COS	0
Applicable Restriction COS	0
Implicit Priority	
Activation mode	0
Priority Level	0
Explicit Priority	
Activation mode	0
Priority Level	0
Pre-emptable Primary Inc. Line	NO
Pre-emptable Secondary Inc. Line	NO
Priority Presentation	NO
lth Service type	Not Valid
CUG List Number	-1
Preferential CUG	-1
CUG Outgoing Access	<input type="checkbox"/>
CUG Incoming Access	<input type="checkbox"/>
Automatic reconfiguration	CTQ Forbidden - Connection TO
URL UserName	
URL Domain	
Advanced configuration	<input type="checkbox"/>

**General Characteristics** **PIN** **Assoc.Sets** **Rights** **Profile** **VoiceMail**

**Facilities** **Set Characteristics** **Hotel** **SIP\_Attributes** **Miscellaneous** **All** **Action**



## Configure Digital Station Phone Facilities 1 of 7

Networks PCX

- nextiraone
  - Shelf
  - Media Gateway
  - PWT/DECT System
  - System
  - Translator
  - Classes of Service
    - 1
      - Access COS
      - Connection COS
      - Transfer COS
      - Private Calls Connect.COS
      - Phone Features COS
        - 0 0000100000110000100
        - 1 00001100000000000000
        - 2 00001100000000000000
        - 3 00000000000000000000
        - 4 00000000000000000000
        - 5 00000000000000000000
        - 6 00000000000000000000
        - 7 00000000000000000000
        - 8 00000000000000000000
        - 9 00000000000000000000
        - 10 000010000111100101
        - 11 000010000111100101
        - 12 01100101111100101
        - 13 000010000111100101
        - 14 111010000111100101
        - 15 111011100101011111
        - 16 00000000000000000000
        - 17 00000000000000000000
        - 18 00000000000000000000
        - 19 00000000000000000000
        - 20 00000000000000000000
        - 21 00000000000000000000
        - 22 00000000000000000000
        - 23 00000000000000000000
        - 24 00000000000000000000
        - 25 00000000000000000000
        - 26 00000000000000000000
        - 27 00000000000000000000
        - 28 00000000000000000000
        - 29 00000000000000000000
        - 30 111001111000000001
        - 31 11101110000001101
  - Attendant
  - Users
  - Users by profile
  - Set Profile

Configuration

nextiraone:1

Phone Features COS	
Rights Prot.against dir.call pickup	0
Rights Protected against all barge-in	0
Rights Protected against set barge-in	0
Rights Outgoing calls only	0
Rights Forward to external No.	1
Rights Prot.against multi-I ringing	0
Rights Protected against forwarding	0
Rights Protected (against barge-in, etc.)	0
Rights Prot.against call announc.	0
Rights Remote wake-up/appointment	0
Rights Auto.call back satell.trk grp	1
Rights Transfer on no answer	1
Rights ISDN remote charge service	0
Rights Bypass on forwarding	0
Rights Prot.against bypass onforward	0
Rights Interphony	0
Rights Secret Code, Repertory Key	1
Rights Night Serv.Answ.Pick up	0
Rights Night Serv.Direct call pick-up	0
Rights Attendant Call Privil.on PAI	0
Rights Busy priv.to public overfl.	0
Rights Server-Minitel PC	0
Rights Prot.against Priv.Call	0
Rights Prot.against.Rem.Forward.	0
Rights Beep On Ext.Call	0
Rights O/S private to public overflow	0
Rights Transfer outgoing - incoming	1
Rights Transfer Outgoing-Outgoing	1
Rights PCX Calls Follow Ext. forwarding	1
Rights Mask ID.name Only for ext.calls	0

All



## Configure Digital Station Phone Facilities 2 of 7

The screenshot displays the Cisco Unified Communications Manager (CUCM) configuration interface. The left pane shows the 'Networks' tree with 'PCX' selected. The right pane shows the 'Configuration' tab for 'nextiraone:1' with the 'Phone Features COS' table.

nextiraone:1	
<b>Phone Features COS</b>	0
Rights Mask ID name Only for ext.calls	0
Rights Ringing tone In Handset	1
Rights No Text Msg reception	0
Rights No Callback On Free Set	0
Rights No Callback On Busy Set	0
Rights Override Att Control of TG (Resv)	0
Rights No Substitution	0
Rights Reserved or Att Control	0
Rights Lock Key	0
Rights Prot.against Guest Private Call	0
Rights Prot.against VIP Private Call	0
Rights Prot.against Private Call res1	0
Rights Prot.against Private Call res2	0
Rights Prot.against Automatic answer	0
Rights Authorized DISA unlocking	0
Rights Timed Call Release	0
Rights Calling name display (CNIPA-CNAM)	0
Rights Int. calls overflow if caller	0
Rights Int. calls overflow if called	0
Rights Record Authorization	0
Rights Casual Conference	0
Rights Silent Connection on Agent	0
Rights Virtual set on CMP board	0
Routing Mode At Off-hook	NO Routing
Inter-Company Calling Right	<input type="checkbox"/>
Set features Immediate forward	1
Set features Immediate forward on busy	1
Set features Forward on no answer	1
Set features Forward on busy or no answer	1
Set features Forward cancellation	1





## Configure Digital Station Phone Facilities 3 of 7

Networks PCX

- nextiraone
  - Shelf
  - Media Gateway
  - PWT/DECT System
  - System
  - Translator
  - Classes of Service
    - 1
      - Access COS
      - Connection COS
      - Transfer COS
      - Private Calls Connect COS
      - Phone Features COS
        - 0 0000100000110000100
        - 1 00001100000000000000
        - 2 00001100000000000000
        - 3 00000000000000000000
        - 4 00000000000000000000
        - 5 00000000000000000000
        - 6 00000000000000000000
        - 7 00000000000000000000
        - 8 00000000000000000000
        - 9 00000000000000000000
        - 10 000010000111100101
        - 11 000010000111100101
        - 12 011001011111100101
        - 13 000010000111100101
        - 14 111010000111100101
        - 15 111011100101011111
        - 16 00000000000000000000
        - 17 00000000000000000000
        - 18 00000000000000000000
        - 19 00000000000000000000
        - 20 00000000000000000000
        - 21 00000000000000000000
        - 22 00000000000000000000
        - 23 00000000000000000000
        - 24 00000000000000000000
        - 25 00000000000000000000
        - 26 00000000000000000000
        - 27 00000000000000000000
        - 28 00000000000000000000
        - 29 00000000000000000000
        - 30 111001111000000001
        - 31 111011100000001101
  - Attendant
  - Users
  - Users by profile
  - Set Profile

Configuration

nextiraone:1

Phone Features COS	
Set features Forward cancellation	1
Set features Forward cancel.by destinat.	0
Set features Overfl.on no answer to associate	0
Set features Cancel Overfl.to associate	0
Set features Sta. group exit	0
Set features Sta. group entry	0
Set features Protect. against barge-in & beeps	0
Set features Lock	0
Set features Auto-assignment	0
Set features Substitution	0
Set features Password modification	0
Set features Accounting/Chargeback Readout	0
Set features Do not disturb	0
Set features Set Out/in of Service	1
Set features Associated Direct. No. modif.	0
Set features Remote forward	0
Set features Cancel Remote forward	0
Set features Unused	0
Set features Cancel auto. callback on busy	1
Set features Personal directory Programming	0
Set features Personal Directory Use	0
Set features Language	0
Set features Adjust Display Visibility	1
Set features Access and Review Alarms	0
Set features Camp-on Control	0
Set features Overfl.busy to assoc.set	0
Set features Overfl.busyno answer to assoc.set	0
Set features Voice Guide Listening	0
Set features Suite Do Not Disturb	0
Set features No Ringing	0

All



## Configure Digital Station Phone Facilities 4 of 7

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
  - 1
    - Access COS
    - Connection COS
    - Transfer COS
    - Private Calls Connect.COS
    - Phone Features COS
      - 0 0000100000110000100
      - 1 0000110000000000000
      - 2 0000110000000000000
      - 3 0000000000000000000
      - 4 0000000000000000000
      - 5 0000000000000000000
      - 6 0000000000000000000
      - 7 0000000000000000000
      - 8 0000000000000000000
      - 9 0000000000000000000
      - 10 000010000111100101
      - 11 000010000111100101
      - 12 011001011111100101
      - 13 000010000111100101
      - 14 111010000111100101
      - 15 111011100101011111
      - 16 0000000000000000000
      - 17 0000000000000000000
      - 18 0000000000000000000
      - 19 0000000000000000000
      - 20 0000000000000000000
      - 21 0000000000000000000
      - 22 0000000000000000000
      - 23 0000000000000000000
      - 24 0000000000000000000
      - 25 0000000000000000000
      - 26 0000000000000000000
      - 27 0000000000000000000
      - 28 0000000000000000000
      - 29 0000000000000000000
      - 30 111001111000000001
      - 31 11101110000001101
- Attendant
- Users
- Users by profile
- Sat Profile

Configuration

nextiraone:1

Phone Features COS	
Set features No Ringing	0
Set features Tandem: Assistant Away	0
Set features Tandem: Filter activation	0
Set features Force Set Type Identification	0
Set features Privileged substitution	0
Set features Ubiquity Mobile Programming	0
Set features Ubiquity	0
General Services Group call pickup	1
General Services Direct call pickup	1
General Services Processing group call pickup	0
PCX Services Speed call to associated set	1
PCX Services Access Callback list	1
PCX Services Last Caller Callback	1
PCX Services Paging call answer	0
PCX Services Voice Mail Access	0
PCX Services Wake-up/appointment reminder	0
PCX Services Tone test	0
PCX Services Collect telex	0
PCX Services Collect text	0
PCX Services Collect fax	0
PCX Services Message deposit	0
PCX Services Text deposit	0
PCX Services Image deposit	0
PCX Services ACD Prefixes	0
PCX Services Meet-me Conference	0
PCX Services Cancel Wake-up	0
PCX Services Switch off Message LED	0
PCX Services Room status management	0
PCX Services Mini-bar	0
PCX Services Voice Mail Manager Access	0

All



## Configure Digital Station Phone Facilities 5 of 7

Networks

PCX

nextiraone

Shelf

Media Gateway

PWT/DECT System

System

Translator

Classes of Service

1

Access COS

Connection COS

Transfer COS

Private Calls Connect.COS

Phone Features COS

0 0000100000110000100

1 00001100000000000000

2 00001100000000000000

3 00000000000000000000

4 00000000000000000000

5 00000000000000000000

6 00000000000000000000

7 00000000000000000000

8 00000000000000000000

9 00000000000000000000

10 000010000111100101

11 000010000111100101

12 011001011111100101

13 000010000111100101

14 111010000111100101

15 111011100101011111

16 00000000000000000000

17 00000000000000000000

18 00000000000000000000

19 00000000000000000000

20 00000000000000000000

21 00000000000000000000

22 00000000000000000000

23 00000000000000000000

24 00000000000000000000

25 00000000000000000000

26 00000000000000000000

27 00000000000000000000

28 00000000000000000000

29 00000000000000000000

30 11100111100000000001

31 111011100000001100

Attendant

Users

Users by profile

Ext Profile

Configuration

nextiraone:1

Phone Features COS	
PCX Services Conversation Recording	0
PCX Services PCX address in DPNSS	0
PCX Services Direct Paging Call	0
PCX Services Infocenter	0
PCX Services Voice Mail Deposit	0
PCX Services Select Primary Line	0
PCX Services Select Secondary Line	0
PCX Services Z dialing Behind UA	0
PCX Services Mask remote identity	0
PCX Services Recordable Voice Guides	0
PCX Services Suite Wake-up	0
PCX Services Suite Wake-up Cancel	0
PCX Services Physical Room Call	0
PCX Services Under A4980 Control	0
PCX Services Manual Add-on Conference	0
PCX Services Automatic Add-on Conference	0
PCX Services Announcement	0
PCX Services Automatic Answering	0
PCX Services Call Restriction Service	0
PCX Services Explicit Priority	0
PCX Services Intercom Service Loop	0
PCX Services Explicit Precedence level	0
PCX Services CUG Call	1
PCX Services Background Music	1
External Services Direct trunk seizure	1
External Services Business account code	0
External Services Redial last number	1
External Services Night service answering	0
External Services DTMF Frequencies test	0
External Services Park Call/Retrieve	1

All



## Configure Digital Station Phone Facilities 6 of 7

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
  - 1
    - Access COS
    - Connection COS
    - Transfer COS
    - Private Calls Connect COS
    - Phone Features COS
      - 0 0000100000110000100
      - 1 00001100000000000000
      - 2 00001100000000000000
      - 3 00000000000000000000
      - 4 00000000000000000000
      - 5 00000000000000000000
      - 6 00000000000000000000
      - 7 00000000000000000000
      - 8 00000000000000000000
      - 9 00000000000000000000
      - 10 00001000011100101
      - 11 00001000011100101
      - 12 01100101111100101
      - 13 00001000011100101
      - 14 11101000011100101
      - 15 111011001010101111
      - 16 00000000000000000000
      - 17 00000000000000000000
      - 18 00000000000000000000
      - 19 00000000000000000000
      - 20 00000000000000000000
      - 21 00000000000000000000
      - 22 00000000000000000000
      - 23 00000000000000000000
      - 24 00000000000000000000
      - 25 00000000000000000000
      - 26 00000000000000000000
      - 27 00000000000000000000
      - 28 00000000000000000000
      - 29 00000000000000000000
      - 30 111001111000000001
      - 31 111011100000001101
- Attendant
- Users
- Users by profile
- Set Profile

Configuration

nextiraone:1

Phone Features COS	
External Services Waiting call Consultation / Access	0
External Services Rotary End-to-End Signal.	1
External Services DTMF End-to-End Signal.	1
External Services Malicious call	0
External Services Common Hold	0
External Services Priority of Call	0
External Services Secret/Identity	1
External Services Alphanumeric Paging	0
External Services Manual Hold	1
Suffixes Broker Call	0
Suffixes Three-Party conference	1
Suffixes Barge-in	1
Suffixes Callback on free or busy set	1
Suffixes Camp-on Waiting	0
Suffixes Speaker Paging	0
Suffixes Call announce through speaker	0
Suffixes Consultation Call	1
Suffixes Paging request	0
Suffixes Business number	0
Suffixes Rotary End-to-End Dialing	1
Suffixes DTMF end-to-end dialing	1
Suffixes Malicious Call	0
Suffixes Voice Mail Message Deposit	0
Suffixes Camp-on Control	0
Suffixes Voice Mail Access	0
Suffixes By pass on Do Not Distrub	0
Speed Dialing Area Area 0	1
Speed Dialing Area Area 1	1
Speed Dialing Area Area 2	1
Speed Dialing Area Area 3	1
Speed Dialing Area Area 4	1

All



## Configure Digital Station Phone Facilities 7 of 7

Networks PCX

nextiraone

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
  - 1
    - Access COS
    - Connection COS
    - Transfer COS
    - Private Calls Connect COS
    - Phone Features COS
      - 0 00001000011000100
      - 1 0000110000000000000
      - 2 0000110000000000000
      - 3 0000000000000000000
      - 4 0000000000000000000
      - 5 0000000000000000000
      - 6 0000000000000000000
      - 7 0000000000000000000
      - 8 0000000000000000000
      - 9 0000000000000000000
      - 10 000010000111100101
      - 11 000010000111100101
      - 12 01100101111100101
      - 13 000010000111100101
      - 14 111010000111100101
      - 15 111011100101011111
      - 16 0000000000000000000
      - 17 0000000000000000000
      - 18 0000000000000000000
      - 19 0000000000000000000
      - 20 0000000000000000000
      - 21 0000000000000000000
      - 22 0000000000000000000
      - 23 0000000000000000000
      - 24 0000000000000000000
      - 25 0000000000000000000
      - 26 0000000000000000000
      - 27 0000000000000000000
      - 28 0000000000000000000
      - 29 0000000000000000000
      - 30 111001111000000001
      - 31 11101110000001101
- Attendant
- Users
- Users by profile
- Set Profile

Configuration

nextiraone:1

Phone Features COS	0
Speed Dialing Area Area 6	1
Speed Dialing Area Area 7	1
Speed Dialing Area Area 8	1
Speed Dialing Area Area 9	1
Speed Dialing Area Area 10	1
Speed Dialing Area Area 11	1
Speed Dialing Area Area 12	1
Speed Dialing Area Area 13	1
Speed Dialing Area Area 14	1
Speed Dialing Area Area 15	1
Speed Dialing Area Area 16	1
Speed Dialing Area Area 17	1
Speed Dialing Area Area 18	1
Speed Dialing Area Area 19	1
Speed Dialing Area Area 20	1
Speed Dialing Area Area 21	1
Speed Dialing Area Area 22	1
Speed Dialing Area Area 23	1
Speed Dialing Area Area 24	1
Speed Dialing Area Area 25	1
Speed Dialing Area Area 26	1
Speed Dialing Area Area 27	1
Speed Dialing Area Area 28	1
Speed Dialing Area Area 29	1
Speed Dialing Area Area 30	1
Speed Dialing Area Area 31	1
Voice Mail Forwarding	Ring Final Set Mail
Default Overflow Type	No forward
Default Overflow Addressee	Nothing
Quality profile for voice over IP	Profile #2

All



## Configuring the Cisco Unified Communication Manager

CUCM Version

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go

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### Cisco Unified CM Administration

System version: 6.0.1.1000-37

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This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at: <http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>.  
If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

Done Local intranet 100%



## 3825-E1 Gateway Configuration

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Gateway Configuration** Related Links: Back To Find/List Go

Save Delete Reset Add New

**Gateway Details**

Product	Cisco 3825
Gateway	Vindaloo
Protocol	MGCP
Domain Name*	Vindaloo
Description	3825 Gateway to Alcatel
Cisco Unified Communications Manager Group*	Default

**Configured Slots, VICs and Endpoints**

Module in Slot 0	NM-4VWIC-MBRD				
Subunit 0	VWIC-2MFT-T1	0/0/ 0	0/0/ 1		
Subunit 1	VIC3-4FXS/DID	0/1/ 0	0/1/ 1	0/1/ 2	0/1/ 3
Subunit 2	VIC2-2FXO	0/2/ 0	0/2/ 1		
Subunit 3	< None >				
Module in Slot 1	NM-HDV				
Subunit 0	VWIC-2MFT-E1	1/0/ 0	1/0/ 1		
Module in Slot 2	< None >				

**Product Specific Configuration Layout**

Global ISDN Switch Type	EURO
Switchback Timing*	Graceful
Switchback uptime-delay (min)	10
Switchback schedule (hh:mm)	12:00
Type Of DTMF Relay*	Current GW Config

Save Delete Reset Add New

Local intranet 100%



## 3825-E1 Gateway Configuration port 1/0/0 (1 of 3)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

**Status**  
Status: Ready

**Device Information**

Product	Cisco MGCP E1 Port
Gateway	Vindaloo
Device Protocol	Digital Access PRI
Registration	Registered with Cisco Unified Communications Manager CM-Vindaloo
IP Address	172.20.221.202
End-Point Name *	S1/SU0/DS1-0@Vindaloo
Description	S1/SU0/DS1-0@Vindaloo
Device Pool*	Default
Common Device Configuration	< None >
Call Classification*	Use System Default
NetworkLocale	< None >
Packet Capture Mode*	None
Packet Capture Duration	0
Media Resource Group List	< None >
Location*	Hub_None
AAR Group	< None >
Load Information	

☐ Transmit UTF-8 for Calling Party Name

☐ V150 (subset)

**Multilevel Precedence and Preemption (MLPP) Information**

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

Done Local intranet 100%





## 3825-E1 Gateway Configuration port 1/0/0 (2 of 3)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

**Interface Information**

PRI Protocol Type\* PRI ISO QSIG E1

Protocol Side\* User

Channel Selection Order\* Top Down

Channel IE Type\* Timeslot Number

PCM Type\* A-law

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

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

☒ Inhibit restarts at PRI initialization

☐ Enable status poll

☐ Unattended Port

**Call Routing Information - Inbound Calls**

Significant Digits\* All

Calling Search Space < None >

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\* Unknown

Calling party IE number type unknown\* Unknown

Called Numbering Plan\* Private

Calling Numbering Plan\* Private

Number of digits to strip\* 0

Caller ID DN

CMR Data Set\*

Done Local intranet 100%



### 3825-E1 Gateway Configuration port 1/0/0 (3 of 3)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

SMDI Base Port\* 0

**PRI Protocol Type Specific Information**

☐ Display IE Delivery  
☒ Redirecting Number IE Delivery - Outbound  
☐ Redirecting Number IE Delivery - Inbound  
☐ Send Extra Leading Character in Display IE\*\*\*  
☐ 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\*\* 0  
Connected Line ID Presentation (QSIG Inbound Call)\* Default

**UUIE Configuration**

☐ Passing Precedence Level Through UUIE  
Security Access Level\* 2

**Product Specific Configuration Layout**

Line Coding\* HDB3

Framing\* CRC4

Clock\* External

Input Gain (-6..14 db)\* 0

Output Attenuation (-6..14 db)\* 0

Echo Cancellation Enable\* Enable

Echo Cancellation Coverage (ms)\* 64

Done Local intranet 100%



## 3825-E1 Gateway Configuration port 1/0/1 (1 of 3)

**Cisco Unified CM Administration**  
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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

**Status**  
Status: Ready

**Device Information**

Product	Cisco MGCP E1 Port
Gateway	Vindaloo
Device Protocol	Digital Access PRI
Registration	Registered with Cisco Unified Communications Manager CM-Vindaloo
IP Address	172.20.221.202
End-Point Name *	S1/SU0/DS1-1@Vindaloo
Description	S1/SU0/DS1-1@Vindaloo
Device Pool *	Default
Common Device Configuration	< None >
Call Classification *	Use System Default
NetworkLocale	< None >
Packet Capture Mode *	None
Packet Capture Duration	0
Media Resource Group List	< None >
Location *	Hub_None
AAR Group	< None >
Load Information	

☐ Transmit UTF-8 for Calling Party Name

☐ V150 (subset)

**Multilevel Precedence and Preemption (MLPP) Information**

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

Done Local intranet 100%



### 3825-E1 Gateway Configuration port 1/0/1 (2 of 3)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

**Interface Information**

PRI Protocol Type*	PRI ISO QSIG E1
Protocol Side*	Network
Channel Selection Order*	Top Down
Channel IE Type*	Timeslot Number
PCM Type*	A-law
Delay for first restart (1/8 sec ticks)*	32
Delay between restarts (1/8 sec ticks)*	4

☒ Inhibit restarts at PRI initialization  
☐ Enable status poll  
☐ Unattended Port

**Call Routing Information - Inbound Calls**

Significant Digits*	All
Calling Search Space	< None >
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*	Unknown
Calling party IE number type unknown*	Unknown
Called Numbering Plan*	Private
Calling Numbering Plan*	Private
Number of digits to strip*	0
Caller ID DN	
SMDI Base Port*	0

Done Local intranet 100%



### 3825-E1 Gateway Configuration port 1/0/1 (3 of 3)

**Cisco Unified CM Administration**  
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**Gateway Configuration** Related Links: Back to MGCP Configuration Go

Save Delete Reset

**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\*\* 0  
Connected Line ID Presentation (QSIG Inbound Call)\* Default

**UUIE Configuration**

☐ Passing Precedence Level Through UUIE  
Security Access Level\* 2

**Product Specific Configuration Layout**

Line Coding\* HDB3

Framing\* CRC4

Clock\* External

Input Gain (-6..14 db)\* 0

Output Attenuation (-6..14 db)\* 0

Echo Cancellation Enable\* Enable

Echo Cancellation Coverage (ms)\* 64

Save Delete Reset

Done Local intranet 100%



## Enbloc Route Configuration 3XXX (1 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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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\* 3XXX  
Route Partition < None >  
Description Route to NextiraOne  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-1@Vindaloo (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**  
Done

Local intranet 100%



## Enbloc Route Configuration 3XXX (2 of 2)

**Cisco Unified CM Administration**  
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### Route Pattern Configuration

Related Links: Back To Find/List | Go

Save | Delete | Copy | Add New

Authorization Level\* | 0

☐ Require Client Matter Code

#### Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask |

Prefix Digits (Outgoing Calls) |

Calling Line ID Presentation\* | Default

Calling Name Presentation\* | Default

#### Connected Party Transformations

Connected Line ID Presentation\* | Default

Connected Name Presentation\* | Default

#### Called Party Transformations

Discard Digits | < None >

Called Party Transform Mask |

Prefix Digits (Outgoing Calls) |

#### ISDN Network-Specific Facilities Information Element

Network Service Protocol | -- Not Selected --

Carrier Identification Code |

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

Save | Delete | Copy | Add New

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

Done

Local intranet | 100%



## Enbloc Route Configuration 6XXX (1 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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administrator | 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\* 6XXX  
Route Partition < None >  
Description Route to Compidea  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-0@Vindaloo (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**

Done Local intranet 100%





## Enbloc Route Configuration 6XXX (2 of 2)

**Cisco Unified CM Administration**  
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**Route Pattern Configuration** Related Links: Back To Find/List Go

Save Delete Copy Add New

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

**Called Party Transformations**

Discard Digits < None >

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

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

Save Delete Copy Add New

\*- indicates required item.

Done Local intranet 100%



## PSTN Route Configuration (1 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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administrator About Logout

System Cal 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\* 916503646325  
Route Partition < None >  
Description  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-1@Vindaloo (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**  
Done

Local intranet 100%



## PSTN Route Configuration (1 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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

Save Delete Copy Add New

Authorization Level 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

**Called Party Transformations**

Discard Digits < None >

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

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

Save Delete Copy Add New

\*- indicates required item.

Done Local intranet 100%



## Overlap Route Sending Configuration 3XXX (1 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

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

Save Delete Copy Add New

**Status**  
Status: Ready

**Pattern Definition**  
Route Pattern\* 9.3  
Route Partition < None >  
Description Overlap Route to NextiraOne  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-1@Vindaloo (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**  
Done

Local intranet 100%



## Overlap Sending Route Configuration 3XXX (2 of 2)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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

Save Delete Copy Add New

Authorization Level\* 0

☐ Require Client Matter Code

**Calling Party Transformations**

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\* Default

Calling Name Presentation\* Default

**Connected Party Transformations**

Connected Line ID Presentation\* Default

Connected Name Presentation\* Default

**Called Party Transformations**

Discard Digits PreDot

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

**ISDN Network-Specific Facilities Information Element**

Network Service Protocol -- Not Selected --

Carrier Identification Code

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

Save Delete Copy Add New

\*- indicates required item.

Done Local intranet 100%



## Overlap Sending Route Configuration 6XXX (1 of 2)

**Cisco Unified CM Administration**  
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**Route Pattern Configuration** Related Links: Back To Find/List Go

Save Delete Copy Add New

**Status**  
Status: Ready

**Pattern Definition**  
Route Pattern\* 9.6  
Route Partition < None >  
Description Overlap Route to Compidea  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-0@Vindaloo (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**  
Done

Local intranet 100%



## Overlap Sending Route Configuration 6XXX (2 of 2)

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Save Delete Copy Add New

**Status**  
Status: Ready

**Pattern Definition**  
Route Pattern\* 9.6  
Route Partition < None >  
Description Overlap Route to Compidea  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-0@Vindaloo (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**  
Done

Local intranet 100%



## Translation Pattern for Incoming Calls (1 of 2)

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

Save Delete Copy Add New

**Status**  
Status: Ready

**Pattern Definition**  
Translation Pattern 4XXX  
Partition < None >  
Description  
Numbering Plan < None >  
Route Filter < None >  
MLPP Precedence\* Default  
Calling Search Space < None >  
Route Option  
☒ Route this pattern  
☐ Block this pattern No Error  
☒ Provide Outside Dial Tone  
☒ Urgent Priority

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

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

Done Local intranet 100%





## Translation Pattern for Incoming Calls (2 of 2)

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### Translation Pattern Configuration

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

Save Delete Copy Add New

Route Filter:

MLPP Precedence\*:

Calling Search Space:

Route Option:  
☒ Route this pattern  
☐ Block this pattern

☒ Provide Outside Dial Tone  
☒ Urgent Priority

#### Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask:

Prefix Digits (Outgoing Calls):

Calling Line ID Presentation\*:

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):

\*. indicates required item.

Done Local intranet 100%



## CLIR Route Pattern Configuration

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

Save Delete Copy Add New

**Pattern Definition**  
Route Pattern\* 3XXX  
Route Partition < None >  
Description Route to NextiraOne  
Numbering Plan -- Not Selected --  
Route Filter < None >  
MLPP Precedence\* Default  
Gateway/Route List\* S1/SU0/DS1-1@Vindaloo (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\* Restricted  
Calling Name Presentation\* Default

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

Done Local intranet 100%



## CNIR Route Pattern Configuration

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

Save Delete Copy Add New

**Pattern Definition**

Route Pattern\*3XXX

Route Partition< None >

DescriptionRoute to NextiraOne

Numbering Plan-- Not Selected --

Route Filter< None >

MLPP Precedence\*Default

Gateway/Route List\*S1/SU0/DS1-1@Vindaloo (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\*Restricted

**Connected Party Transformations**

Connected Line ID Presentation\*Default

Connected Name Presentation\*Default

Done Local intranet 100%



## COLR Translation Pattern Configuration

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

Save Delete Copy Add New

**Pattern Definition**  
Translation Pattern 4060  
Partition < None >  
Description  
Numbering Plan < None >  
Route Filter < None >  
MLPP Precedence\* Default  
Calling Search Space < None >  
Route Option  
☒ Route this pattern  
☐ Block this pattern No Error  
☒ Provide Outside Dial Tone  
☒ Urgent Priority

**Calling Party Transformations**  
☐ Use Calling Party's External Phone Number Mask  
Calling Party Transform Mask 4000  
Prefix Digits (Outgoing Calls)  
Calling Line ID Presentation\* Default  
Calling Name Presentation\* Default

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

**Called Party Transformations**  
Discard Digits < None >  
Called Party Transform Mask 4000  
Prefix Digits (Outgoing Calls)

Done Local intranet 100%



## CONR Translation Pattern Configuration

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Save Delete Copy Add New

**Pattern Definition**  
Translation Pattern 4060  
Partition < None >  
Description  
Numbering Plan < None >  
Route Filter < None >  
MLPP Precedence\* Default  
Calling Search Space < None >  
Route Option  
☒ Route this pattern  
☐ Block this pattern No Error  
☒ Provide Outside Dial Tone  
☒ Urgent Priority

**Calling Party Transformations**  
☐ Use Calling Party's External Phone Number Mask  
Calling Party Transform Mask 4000  
Prefix Digits (Outgoing Calls)  
Calling Line ID Presentation\* Default  
Calling Name Presentation\* Default

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

**Called Party Transformations**  
Discard Digits < None >  
Called Party Transform Mask 4000  
Prefix Digits (Outgoing Calls)

Done Local intranet 100%



## MWI lamp On/Off Configuration

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

Save Delete Copy Add New

**Status**  
Status: Ready

**Message Waiting Information**

Message Waiting Number\* 7001

Partition < None >

Description MWI ON

Message Waiting Indicator\* ☒ On ☐ Off

Calling Search Space < None >

Save Delete Copy Add New

\* - indicates required item.

Done Local intranet 100%

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

Save Delete Copy Add New

**Status**  
Status: Ready

**Message Waiting Information**

Message Waiting Number\* 7000

Partition < None >

Description MWI OFF

Message Waiting Indicator\* ☐ On ☒ Off

Calling Search Space < None >

Save Delete Copy Add New

\* - indicates required item.

Done Local intranet 100%



## Voice Mail Profile Configuration

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

Save Delete Copy Reset Add New

**Status**  
 Status: Ready

**Voice Mail Profile Information**  
Voice Mail Profile CM-Vindaloo-VMP (used by 4 devices)  
Voice Mail Profile Name\* CM-Vindaloo-VMP  
Description  
Voice Mail Pilot\*\* 4010/< None >  
Voice Mail Box Mask  
☒ Make this the default Voice Mail Profile for the System

## Voice Mail Pilot Configuration

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

Save Delete Add New

**Status**  
 Status: Ready

**Voice Mail Pilot Information**  
Voice Mail Pilot Number 4010  
Calling Search Space < None >  
Description CM\_Vindaloo Voice mail Pilot  
☐ Make this the default Voice Mail Pilot for the system

Save Delete Add New

Done

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## Voice Mail Ports List

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**Find and List Voice Mail Ports**

Add New Select All Clear All Delete Selected Reset Selected

**Status**  
 4 records found

**Voice Mail Port (1 - 4 of 4)** Rows per Page 50

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

Select item or enter search text

<input type="checkbox"/>	Device Name	Description	Device Pool	Device Security Mode	Calling Search Space	Ext.	Partition	Status	IP Address	Copy
<input type="checkbox"/>	<a href="#">CiscoUM1-VI1</a>	CM_Vindaloo	<a href="#">Default</a>	Non Secure Voice Mail Port		<a href="#">4011</a>		Registered with CM-Vindaloo	172.20.239.252	
<input type="checkbox"/>	<a href="#">CiscoUM1-VI2</a>	CM_Vindaloo	<a href="#">Default</a>	Non Secure Voice Mail Port		<a href="#">4012</a>		Registered with CM-Vindaloo	172.20.239.252	
<input type="checkbox"/>	<a href="#">CiscoUM1-VI3</a>	CM_Vindaloo	<a href="#">Default</a>	Non Secure Voice Mail Port		<a href="#">4013</a>		Registered with CM-Vindaloo	172.20.239.252	
<input type="checkbox"/>	<a href="#">CiscoUM1-VI4</a>	CM_Vindaloo	<a href="#">Default</a>	Non Secure Voice Mail Port		<a href="#">4014</a>		Registered with CM-Vindaloo	172.20.239.252	

Add New

Select All

Clear All

Delete Selected

Reset Selected

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## Voice Mail Port Configuration

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**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-Vindaloo  
IP Address: 172.20.239.252  
Port Name\*: CiscoUM1-VI1  
Description: CM\_Vindaloo  
Device Pool\*: Default  
Common Device Configuration: < None >  
Calling Search Space: < None >  
AAR Calling Search Space: < None >  
Location\*: Hub\_None  
Device Security Mode\*: Non Secure Voice Mail Port

**Directory Number Information**  
Directory Number\*: 4011  
Partition: < None >  
Calling Search Space: < None >  
AAR Group: < None >  
Internal Caller ID Display: VoiceMail  
Internal Caller ID Display (ASCII format): VoiceMail  
External Number Mask:

Save | Delete | Copy | Reset | Add New

Done | Local intranet | 100%



## Callback Service Parameters

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**Service Parameter Configuration** Related Links: Parameters for All Servers | Go

Save Set to Default Advanced

**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 Retention	Default to Connection Retention
Call Back Request Protection T1 Timer *	10	10
Call Back Recall T3 Timer *	20	20
Call Back Calling Search Space	< None >	
No Path Reservation *	True	True
Set Private Numbering Plan for Call Back *	False	False

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## Callback Softkey Configuration (1 of 2)

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**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

- Conference List (Conflist)
- Direct Transfer (DirTrfr)
- Group Pick Up (GPickUp)
- HLog (HLog)
- 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)

Selected Softkeys (ordered by position)\*\*

- Redial (Redial)
- \*\*NewCall (NewCall)
- Forward All (CfwdAll)
- Call Back (CallBack)

Save Reset

Done Local intranet 100%



## CallBack Softkey Configuration (2 of 2)

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

Save Reset

**Status**  
Status: Ready

**Softkey Layout Configuration**  
Softkey Template: Standard User Callback Idvert  
Select a call state to configure Ring Out

Unselected Softkeys

- Toggle Do Not Disturb (DND)
- Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*

- Undefined (Undefined)
- End Call (EndCall)
- Call Back (CallBack)

Save Reset

Done

Local intranet 100%

## Idvert Softkey Configuration (1 of 3)

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

Save Reset

**Softkey Layout Configuration**  
Softkey Template: Standard User Callback Idvert  
Select a call state to configure Connected

Unselected Softkeys

- HLog (HLog)
- Mobility (Mobility)
- Quality Report Tool (QRT)
- Remove Last Conference Party (RmLstC)
- Toggle Do Not Disturb (DND)
- Toggle Malicious Call Trace (MCID)
- Undefined (Undefined)
- Video Mode Command (VidMode)

Selected Softkeys (ordered by position)\*\*

- Hold (Hold)
- End Call (EndCall)
- Transfer (Trnsfer)
- Park (Park)
- Conference (Confrn)
- Conference List (ConfList)
- Select (Select)
- Join (Join)
- Direct Transfer (DirTrfr)
- Immediate Divert (iDivert)

Done

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## IDivert Softkey Configuration (2 of 3)

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**Softkey Template Configuration** Related Links: Softkey Template Configuration Go

Save Reset

**Softkey Layout Configuration**  
Softkey Template: Standard User Callback IDivert  
Select a call state to configure: Connected

Unselected Softkeys

- HLog (HLog)
- Mobility (Mobility)
- Quality Report Tool (QRT)
- Remove Last Conference Party (RmLstC)
- Toggle Do Not Disturb (DND)
- Toggle Malicious Call Trace (MCID)
- Undefined (Undefined)
- Video Mode Command (VidMode)

Selected Softkeys (ordered by position)\*\*

- Hold (Hold)
- End Call (EndCall)
- Transfer (Trnsfer)
- Park (Park)
- Conference (Confrn)
- Conference List (ConfList)
- Select (Select)
- Join (Join)
- Direct Transfer (DirTrfr)
- Immediate Divert (iDivert)

Done

Local intranet 100%

## IDivert Softkey Configuration (3 of 3)

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**Softkey Template Configuration** Related Links: Softkey Template Configuration Go

Save Reset

**Softkey Layout Configuration**  
Softkey Template: Standard User Callback IDivert  
Select a call state to configure: Ring In

Unselected Softkeys

- Toggle Do Not Disturb (DND)
- Undefined (Undefined)

Selected Softkeys (ordered by position)\*\*

- Answer (Answer)
- Immediate Divert (iDivert)

Done

Local intranet 100%



## Path Replacement Service Parameters

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**Service Parameter Configuration** Related Links: Parameters for All Servers Go

Save Set to Default Advanced

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

<a href="#">Path Replacement Enabled</a> *	True	False
<a href="#">Path Replacement on Tromboned Calls</a> *	True	True
<a href="#">Start Path Replacement Minimum Delay Time</a> *	0	0
<a href="#">Start Path Replacement Maximum Delay Time</a> *	0	0
<a href="#">Path Replacement T1 Timer</a> *	30	30
<a href="#">Path Replacement T2 Timer</a> *	15	15
<a href="#">Path Replacement PINX ID</a>	4100	
<a href="#">Path Replacement Calling Search Space</a>	< None >	

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## Path Replacement Call Pick Up Group (1 of 2)

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

Save Delete Copy Add New

**Status**  
Status: Ready

**Call Pickup Group Information**  
Call Pickup Group Name\* Alcatel Pathreplacement Pickup Group  
Call Pickup Group Number\* 111  
Description  
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 Find  
Available Call Pickup Groups  
(No Matches Found)  
Add to Associated Call Pickup Groups

Done Local intranet 100%



## Path Replacement Call Pickup Group (2 of 2)

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### Call Pickup Group Configuration

Related Links: Back To Find/List Go

Save Delete Copy Add New

**Current Associated Call Pickup Groups**

Selected Call Pickup Groups: 111

Removed Call Pickup Groups:

Reverse Order of Selected Numbers

Save Delete Copy Add New

Local intranet 100%



## Forward by Reroute Service Parameter

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**Service Parameter Configuration** Related Links: Parameters for All Servers Go

Save Set to Default Advanced

**Clusterwide Parameters (Feature - Forward)**

<a href="#">Forward Maximum Hop Count</a> *	12	12
<a href="#">Forward No Answer Timer</a> *	12	12
<a href="#">Max Forward Hops to DN</a> *	12	12
<a href="#">Retain Forward Information</a> *	False	False
<a href="#">Forward By Reroute Enabled</a> *	True	False
<a href="#">Transform Forward by Reroute Destination</a> *	True	True
<a href="#">Always Forward Switch Voice Mail Calls</a> *	True	True
<a href="#">Forward By Reroute T1 Timer</a> *	10	10
<a href="#">Include Original Called Info for Q.SIG Call Diversions</a> *	Only after the first diversion	Only after the first diversion
<a href="#">Max Forward UnRegistered Hops to DN</a> *	0	0
<a href="#">CFA CSS Activation Policy</a> *	With Configured CSS	With Configured CSS

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

Local intranet 100%





## IP 7960 SCCP phone Configuration (1 of 8)

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

**Association Information**  
Modify Button Items  

1 [Line \[1\] - 4000 \(no partition\)](#)

2 [Add a new SD](#)

----- Unassigned Associated Items -----

3 [Line \[2\] - Add a new DN](#)

4 [Add a new SD](#)

5 [Add a new SURL](#)

6 [Add a new BLF SD](#)

7 [Add a new BLF Directed Call Park](#)

8 Privacy

9 None

**Phone Type**  
**Product Type:** Cisco 7940  
**Device Protocol:** SCCP

**Device Information**  
Registration Registered with Cisco Unified Communications Manager CM-Vindaloo  
IP Address [172.20.221.101](#)  
MAC Address\* 000427D3FFF7  
Description Auto 4000  
Device Pool\* Default [View Details](#)  
Common Device Configuration < None > [View Details](#)  
Phone Button Template\* Standard 7940 SCCP  
Softkey Template Standard User Callback Idivert  
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](#)

Local intranet

100%



## IP 7960 SCCP phone Configuration (2 of 8)

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

Owner User ID < None >

Phone Load Name

☒ 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

Generate String

Key Size (Bits)\* 1024

Operation Completes By 2007 7 29 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

Note: Security Profile Contains Addition CAPF Settings.

Local intranet 100%



## IP 7960 SCCP phone Configuration (3of 8)

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Phone Configuration

Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

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

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

**Extension Information**

☐ Enable Extension Mobility

Log Out Profile -- Use Current Device Settings --

Log in Time < None >

Log out Time < None >

**MLPP Information**

MLPP Domain < None >

MLPP Indication\* Default

MLPP Preemption\* Default

**Do Not Disturb**

☐ Do Not Disturb

DND Option\* Ringer Off

DND Incoming Call Alert < None >

**Product Specific Configuration Layout**

Local intranet 100%



## IP 7960 SCCP phone Configuration (4 of 8)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

MLPP Domain < None >

MLPP Indication\* Default

MLPP Preemption\* Default

**Do Not Disturb**

☐ Do Not Disturb

DND Option\* Ringer Off

DND Incoming Call Alert < None >

**Product Specific Configuration Layout**

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \* Enabled

Settings Access\* Enabled

Gratuitous ARP\* Enabled

PC Voice VLAN Access\* Enabled

Video Capabilities\* Disabled

Auto Line Select\* Disabled

Web Access\* Enabled

Save Delete Copy Reset Add New

\*- 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.

Local intranet 100%



## IP 7960 SCCP phone Configuration (5 of 8)

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

MLPP Domain < None >

MLPP Indication\* Default

MLPP Preemption\* Default

**Do Not Disturb**

☐ Do Not Disturb

DND Option\* Ringer Off

DND Incoming Call Alert < None >

**Product Specific Configuration Layout**

?

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \* Enabled

Settings Access\* Enabled

Gratuitous ARP\* Enabled

PC Voice VLAN Access\* Enabled

Video Capabilities\* Disabled

Auto Line Select\* Disabled

Web Access\* Enabled

Save Delete Copy Reset Add New

\*- 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.

Local intranet 100%



## IP 7960 SCCP phone Configuration (6 of 8)

**Cisco Unified CM Administration**  
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**Directory Number Configuration** Related Links: Configure Device (SEP000427D3FFF7) Go

Save Delete Reset Add New

**Directory Number Information**

Directory Number\* 4000

Route Partition < None >

Description SCCP

Alerting Name Vindaloo 00 [Alert]

ASCII Alerting Name Vindaloo 00 [Alert]

☒ Allow Control of Device from CTI

Associated Devices SEP000427D3FFF7

Edit Device

Edit Line Appearance

Dissociate Devices

**Directory Number Settings**

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

Calling Search Space < None >

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 ☐ or

< None >

☒ Retain this destination in the call forwarding history

Done Local intranet 100%



## IP 7960 SCCP phone Configuration (7 of 8)

**Cisco Unified CM Administration**  
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**Directory Number Configuration** Related Links: Configure Device (SEP000427D3FFF7) Go

Save Delete Reset Add New

**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 SEP000427D3FFF7**

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 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)

Line Text Label

ASCII Line Text Label

External Phone Number Mask

Visual Message Waiting Indicator Policy\* Use System Policy

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

Monitoring Calling Search Space < None >

Done Local intranet 100%

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## IP 7960 SCCP phone Configuration (8 of 8)

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**Directory Number Configuration** Related Links: Configure Device (SEP000427D3FFF7) Go

Save Delete Reset Add New

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

Monitoring Calling Search Space

< None >

**Multiple Call/Call Waiting Settings on Device SEP000427D3FFF7**  
Note:The range to select the Max Number of calls is: 1-200  
Maximum Number of Calls\*   
Busy Trigger\*  (Less than or equal to Max. Calls)

**Forwarded Call Information Display on Device SEP000427D3FFF7**  
☒ Caller Name  
☒ Caller Number  
☒ Redirected Number  
☒ Dialed Number

**Users Associated with Line**  

Associate End Users

Save Delete Reset Add New

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

Done Local intranet 100%





## IP 7961 SIP phone Configuration (1 of 9)

**Cisco Unified CM Administration**  
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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

**Association Information**  
Modify Button Items

1	Line [1] - 4002 (no partition)
2	Line [2] - Add a new DN
3	Add a new SD
4	Add a new SD
5	Add a new SD
6	Add a new SD
----- Unassigned Associated Items -----	
7	Add a new SD
8	Add a new SURL
9	Add a new BLF SD
10	Add a new BLF Directed Call Park
11	Intercom [1] - Add a new Intercom
12	Do Not Disturb
13	Privacy
14	None

**Phone Type**  
Product Type: Cisco 7961G-GE  
Device Protocol: SIP

**Device Information**  
Registration Registered with Cisco Unified Communications Manager CM-Vindaloo  
IP Address [172.20.221.102](#)  
MAC Address\* 001955FA1056  
Description SEP001955FA1056  
Device Pool\* Default [View Details](#)  
Common Device Configuration < None > [View Details](#)  
Phone Button Template\* Standard 7961G-GE SIP  
Softkey Template Standard User Callback Idirect  
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](#)

Done Local intranet 100%



## IP 7961 SIP phone Configuration (2 of 9)

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Phone Configuration

Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

[Mobility Settings](#)

Owner User ID < None >

Phone Personalization\* Default

Phone Load Name

☐ 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

SIP Dial Rules < None >

MTP Preferred Originating Codec\* 711ulaw

Device Security Profile\* Cisco 7961G-GE - Standard SIP Non-Secure Profile

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile\* Standard SIP Profile

Digest User < None >

☐ Media Termination Point Required

☐ Unattended Port

☐ Require DTMF Reception

Certification Authority Proxy Function (CAPF) Information

Certificate Operation\* No Pending Operation

Authentication Mode\* By Null String

Done

Local intranet 100%



## IP 7961 SIP phone Configuration (3 of 9)

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Phone Configuration

Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

Owner User ID< None >

Phone Personalization\*Default

Phone Load Name

☐ 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 Duration0

Presence Group\*Standard Presence group

SIP Dial Rules< None >

MTP Preferred Originating Codec\*711ulaw

Device Security Profile\*Cisco 7961G-GE - Standard SIP Non-Secure Profile

Rerouting Calling Search Space< None >

SUBSCRIBE Calling Search Space< None >

SIP Profile\*Standard SIP Profile

Digest User< None >

☐ Media Termination Point Required

☐ Unattended Port

☐ Require DTMF Reception

Certification Authority Proxy Function (CAPF) Information

Certificate Operation\*No Pending Operation

Authentication Mode\*By Null String

Done

Local intranet 100%



## IP 7961 SIP phone Configuration (4 of 9)

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

**Do Not Disturb**

☐ Do Not Disturb

DND Option\* Ringer Off

DND Incoming Call Alert < None >

**Secure Shell Information**

Secure Shell User

Secure Shell Password

**Product Specific Configuration Layout**

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port \* Enabled

Settings Access\* Enabled

Gratuitous ARP\* Disabled

PC Voice VLAN Access\* Enabled

Video Capabilities\* Disabled

Auto Line Select\* Disabled

Web Access\* Enabled

Span to PC Port\* Disabled

Logging Display\* PC Controlled

Load Server

Recording Tone\* Disabled

Recording Tone Local Volume\* 100

Recording Tone Remote Volume\* 50

Recording Tone Duration

Done Local intranet 100%



## IP 7961 SIP phone Configuration (5 of 9)

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**Phone Configuration** Related Links: Back To Find/List Go

Save Delete Copy Reset Add New

Span to PC Port*	<span>Disabled</span>
Logging Display*	<span>PC Controlled</span>
Load Server	<input type="text"/>
Recording Tone*	<span>Disabled</span>
Recording Tone Local Volume*	<input type="text" value="100"/>
Recording Tone Remote Volume*	<input type="text" value="50"/>
Recording Tone Duration	<input type="text"/>
RTCP*	<span>Disabled</span>
"more" Soft Key Timer	<input type="text" value="5"/>
Auto Call Select*	<span>Enabled</span>
Log Server	<input type="text"/>
Advertise G.722 Codec*	<span>Use System Default</span>
Wideband Headset UI Control*	<span>Enabled</span>
Wideband Handset UI Control*	<span>Enabled</span>
Wideband Headset*	<span>Enabled</span>
Wideband Handset*	<span>Use Phone Default</span>
Peer Firmware Sharing*	<span>Disabled</span>
Cisco Discovery Protocol (CDP): Switch Port*	<span>Enabled</span>
Cisco Discovery Protocol (CDP): PC Port*	<span>Enabled</span>

Save Delete Copy Reset Add New

\*- 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.

Done Local intranet 100%



## IP 7961 SIP phone Configuration (6 of 9)

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**Directory Number Configuration** Related Links: Configure Device (SEP001955FA1056) Go

Save Delete Reset Add New

**Directory Number Information**

Directory Number\* 4002

Route Partition < None >

Description

Alerting Name Vindaloo 04 [Alert]

ASCII Alerting Name Vindaloo 04 [Alert]

☒ Allow Control of Device from CTI

Associated Devices SEP001955FA1056

Edit Device

Edit Line Appearance

Dissociate Devices

**Directory Number Settings**

Voice Mail Profile CM-Vindaloo-VMP (Choose <None> to use system default)

Calling Search Space < None >

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 ☐ or < None >

☒ Retain this destination in the call forwarding history

Done Local intranet 100%



## IP 7961 SIP phone Configuration (7 of 9)

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**Directory Number Configuration** Related Links: Configure Device (SEP001955FA1056) 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		< None >
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or		< None >
Forward Busy External	<input type="checkbox"/> or		< None >
Forward No Answer Internal	<input type="checkbox"/> or		< None >
Forward No Answer External	<input type="checkbox"/> or		< None >
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		< None >
Forward Unregistered External	<input type="checkbox"/> or		< None >
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

Done

Local intranet 100%



## IP 7961 SIP phone Configuration (8 of 9)

**Cisco Unified CM Administration**  
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**Directory Number Configuration** Related Links: Configure Device (SEP001955FA1056) Go

Save Delete Reset Add New

feature

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

**Line 1 on Device SEP001955FA1056**

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 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)

Line Text Label

ASCII Line Text Label

External Phone Number Mask

Visual Message Waiting Indicator Policy\* Use System Policy

Audible Message Waiting Indicator Policy\* Off

Ring Setting (Phone Idle)\* Use System Default

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 >

Done Local intranet 100%





## IP 7961 SIP phone Configuration (9 of 9)

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**Directory Number Configuration** Related Links: Configure Device (SEP001955FA1056) Go

Save Delete Reset Add New

Alert Setting(Phone Idle)

Call Pickup Group Audio Use System Default ▾

Alert Setting(Phone Active)

Recording Option\* Call Recording Disabled ▾

Recording Profile < None > ▾

Monitoring Calling Search Space < None > ▾

**Multiple Call/Call Waiting Settings on Device SEP001955FA1056**  
Note:The range to select the Max Number of calls is: 1-200  
Maximum Number of Calls\* 4  
Busy Trigger\* 2 (Less than or equal to Max. Calls)

**Forwarded Call Information Display on Device SEP001955FA1056**  
☒ Caller Name  
☒ Caller Number  
☒ Redirected Number  
☒ Dialed Number

**Users Associated with Line**  

Associate End Users

Save Delete Reset Add New

\*- indicates required item.

\*\*- Changes to Line or Directory Number settings require restart.

Done Local intranet 100%



## Configuring 3825 Router

```
Vindaloo#sho ver
Cisco IOS Software, 3800 Software (C3825-IPVOICE-M), Version 12.4(3a), RELEASE
SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2005 by Cisco Systems, Inc.
Compiled Fri 30-Sep-05 01:45 by hqluong
```

```
ROM: System Bootstrap, Version 12.3(11r)T1, RELEASE SOFTWARE (fc1)
```

```
Vindaloo uptime is 25 weeks, 6 days, 20 hours, 25 minutes
System returned to ROM by power-on
System image file is "flash:c3825-ipvoice-mz.124-3a.bin"
```

```
Cisco 3825 (revision 1.0) with 226304K/35840K bytes of memory.
Processor board ID FHK0847F0QC
2 Gigabit Ethernet interfaces
62 Serial interfaces
2 Channelized E1/PRI ports
2 Channelized T1/PRI ports
2 Voice FXO interfaces
4 Voice FXS interfaces
DRAM configuration is 64 bits wide with parity enabled.
479K bytes of NVRAM.
62592K bytes of ATA System CompactFlash (Read/Write)
```

```
Configuration register is 0x2102
```

```
Vindaloo#
Vindaloo#sho run
Building configuration...
```

```
Current configuration : 2981 bytes
!
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname Vindaloo
!
boot-start-marker
boot-end-marker
!
logging buffered 10000000 debugging
enable password cisco
!
no aaa new-model
!
resource policy
!
no network-clock-participate slot 1
no network-clock-participate wic 0
```

```
voice-card 0
 no dspfarm
!
voice-card 1
 dspfarm
!
ip subnet-zero
ip cef
!
!
!
!
!
ip host CM-VINDALOO 172.20.221.254
ip host CM-MERCURY 172.20.215.254
ip host CM-PLUTO 172.20.238.254
ip host CM-MADRAS 172.20.237.254
ip host cm-venus 172.20.214.254
ip name-server 172.20.2.181
ip name-server 172.20.221.254
ip name-server 172.20.215.254
ip name-server 172.20.237.254
ip name-server 172.20.238.254
isdn switch-type primary-net5
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
fax interface-type fax-mail
!
!
controller T1 0/0/0
 framing esf
 linecode b8zs
!
controller T1 0/0/1
 framing esf
 linecode b8zs
!
controller E1 1/0/0
 pri-group timeslots 1-31 service mgcp
!
controller E1 1/0/1
 pri-group timeslots 1-31 service mgcp
!
!
!
```



```
interface GigabitEthernet0/0
 ip address 172.20.221.202 255.255.255.0
 duplex auto
 speed auto
 media-type rj45
 negotiation auto
!
interface GigabitEthernet0/1
 no ip address
 shutdown
 duplex auto
 speed auto
 media-type rj45
 negotiation auto
!
interface Serial1/0/0:15
 no ip address
 isdn switch-type primary-qsig
 isdn incoming-voice voice
 isdn bind-13 ccm-manager
 no cdp enable
!
interface Serial1/0/1:15
 no ip address
 isdn switch-type primary-qsig
 isdn protocol-emulate network
 isdn incoming-voice voice
 isdn T310 120000
 isdn bind-13 ccm-manager
 no cdp enable
!
ip classless
ip route 0.0.0.0 0.0.0.0 GigabitEthernet0/0
ip route 0.0.0.0 0.0.0.0 172.20.221.1
!
no ip http server
!
!
!
tftp-server flash:c3825-ipvoice-mz.124-3a.bin
!
control-plane
!
!
!
voice-port 0/1/0
!
voice-port 0/1/1
!
voice-port 0/1/2
!
voice-port 0/1/3
!
voice-port 0/2/0
```



```
!  
voice-port 0/2/1  
!  
voice-port 1/0/0:15  
!  
voice-port 1/0/1:15  
!  
ccm-manager mgcp  
ccm-manager music-on-hold  
ccm-manager config server 172.20.221.254  
ccm-manager config  
!  
mgcp  
mgcp call-agent CM-Vindaloo 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  
no mgcp package-capability fxr-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 4151 pots  
  port 0/1/0  
!  
dial-peer voice 999010 pots  
  service mgcpapp  
  port 0/1/0  
!  
dial-peer voice 1 pots  
  service mgcpapp  
!  
dial-peer voice 2 pots  
  service mgcpapp  
  port 1/0/1:15  
!  
!  
line con 0  
  stopbits 1  
line aux 0  
  stopbits 1  
line vty 0 4  
  password cisco  
  login  
!
```



```
scheduler allocate 20000 1000
ntp clock-period 17178609
ntp server 192.168.240.254
!
end
```

Vindaloo#

### Configuring PSTN 1700 Router

```
router_B#sho ver
Cisco Internetwork Operating System Software
IOS (tm) C1700 Software (C1700-IPVOICE-M), Version 12.3(13a), RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2005 by cisco Systems, Inc.
Compiled Tue 26-Apr-05 07:06 by ssearch
Image text-base: 0x8000816C, data-base: 0x81428AE4
```

```
ROM: System Bootstrap, Version 12.2(4r)XL, RELEASE SOFTWARE (fc1)
ROM: C1700 Software (C1700-IPVOICE-M), Version 12.3(13a), RELEASE SOFTWARE (fc2)
```

```
router_B uptime is 2 days, 3 hours, 2 minutes
System returned to ROM by power-on
System image file is "flash:c1700-ipvoice-mz.123-13a.bin"
```

```
cisco 1760 (MPC860P) processor (revision 0x200) with 49152K/16384K bytes of memory.
Processor board ID FOC06490MS4 (245310706), with hardware revision BB67
MPC860P processor: part number 5, mask 2
Channelized E1, Version 1.0.
Bridging software.
X.25 software, Version 3.0.0.
Primary Rate ISDN software, Version 1.1.
1 FastEthernet/IEEE 802.3 interface(s)
31 Serial network interface(s)
2 Channelized E1/PRI port(s)
2 Voice FXS interface(s)
32K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)
```

```
Configuration register is 0x2102
```

```
router_B#
router_B#
router_B#sho run
Building configuration...
```

```
Current configuration : 1513 bytes
!
version 12.3
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
```

```
hostname router_B
!
boot-start-marker
boot-end-marker
!
!
memory-size iomem 25
tdm clock E1 0/0 both export line
tdm clock E1 0/1 both import E1 0/0 internal
mmi polling-interval 60
no mmi auto-configure
no mmi pvc
mmi snmp-timeout 180
voice-card 0
!
voice-card 3
!
no aaa new-model
ip subnet-zero
ip cef
!
!
!
no ftp-server write-enable
isdn switch-type primary-net5
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
controller E1 0/0
    pri-group timeslots 1-31
!
controller E1 0/1
!
!
!
interface FastEthernet0/0
    ip address 100.100.100.2 255.255.255.0
    speed auto
!
interface Serial0/0:15
    no ip address
    no logging event link-status
    isdn switch-type primary-net5
    isdn incoming-voice voice
```



```
isdn bchan-number-order ascending
no cdp enable
!
ip classless
no ip http server
!
!
voice-port 0/0:15
!
voice-port 3/0
station-id name bal
station-id number 16503646325
caller-id enable
!
voice-port 3/1
station-id name BAL2
station-id number 16503646326
caller-id enable
!
!
dial-peer cor custom
!
!
!
dial-peer voice 1 pots
destination-pattern 91408.....
direct-inward-dial
port 0/0:15
prefix 91408
!
dial-peer voice 2 pots
destination-pattern 3...
direct-inward-dial
port 0/0:15
prefix 3
!
dial-peer voice 3 pots
destination-pattern 16503646326
port 3/1
prefix 1
!
dial-peer voice 4 pots
destination-pattern 16503646325
port 3/0
prefix 1
!
!
line con 0
line aux 0
line vty 0 4
login
!
end
```





## Acronyms

Acronym	Definitions
ANF-PR	Additional Network Feature Path Replacement
AOC	Advice-of-charge. Information element is sent with the connection setup information for incoming Euro-ISDN connections. The AOC IE is used for call charge calculation.
CUCM	Cisco Unified Communication 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



## Important Information

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### Corporate Headquarters

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

### European Headquarters

Cisco Systems International  
BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
www-europe.cisco.com  
Tel: 31 0 20 357 1000  
Fax: 31 0 20 357 1100

### Americas Headquarters

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-7660  
Fax: 408 527-0883

### Asia Pacific Headquarters

Cisco Systems, Inc.  
Capital Tower  
168 Robinson Road  
#22-01 to #29-01  
Singapore 068912  
www.cisco.com  
Tel: +65 317 7777  
Fax: +65 317 7799

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