Application Note

Cisco Unified CallManager Release 4.1(3) - PBX Interoperability: Nortel Communication Server 1000M Release 4.0 Using SIP Trunk

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Table of Contents

Introduction

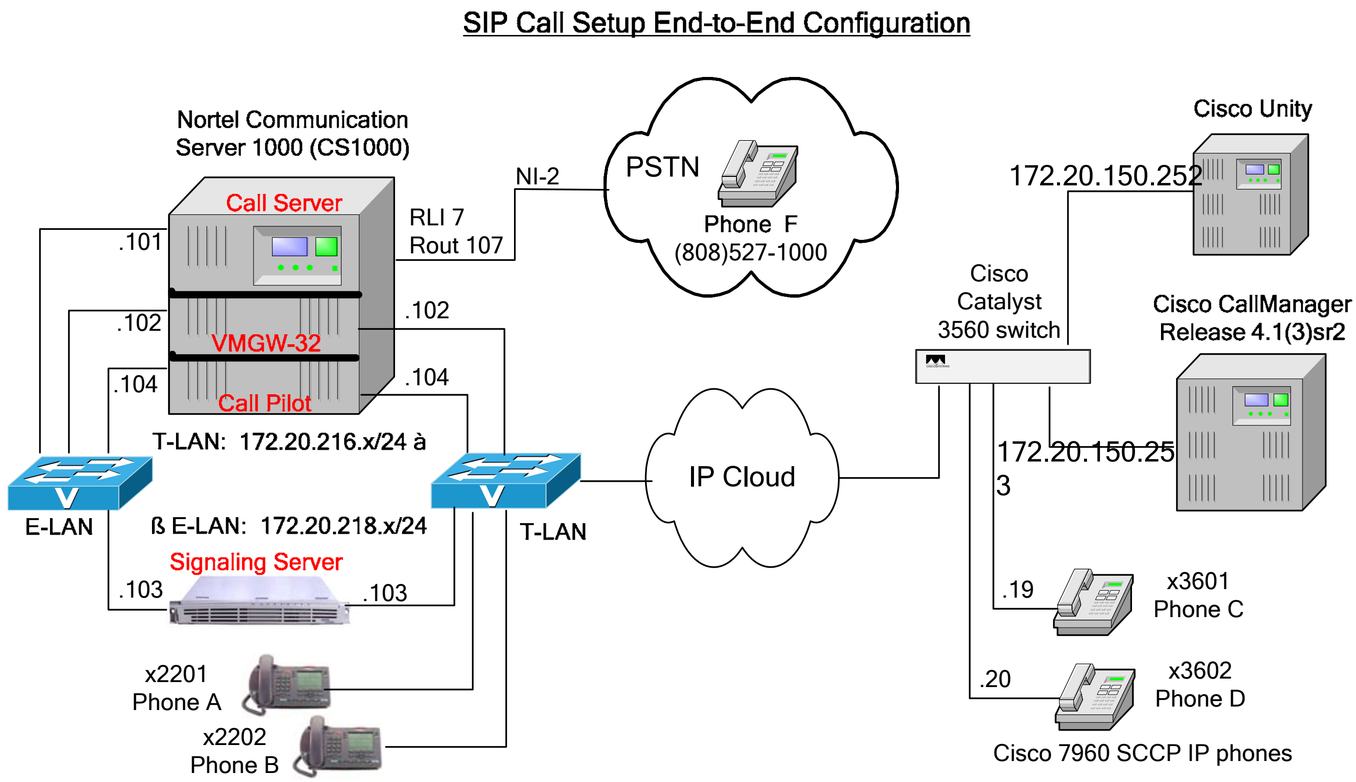
This is an application note for interoperability connectivity of Nortel Communication Server 1000 (formerly known as Succession 1000) PBX with Cisco Unified CallManager Release 4.1(3)SR2 using a SIP trunk.

The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with the Nortel CS1000 PBX configured as a SIP trunk with the Cisco Unified CallManager 4.1(3)SR2 release.

On Cisco Unified CallManager, ensure that the SIP Trunk Configuration web page is defined for the Nortel PBX and make sure that the "Media Termination Point Required" box is checked.

Network Topology

Figure 1. Network Topology



Limitations

Cisco Unified CallManager and Nortel CS1K systems use different methods for passing the name and number information across the SIP trunk. Cisco Unified CallManager uses the Remote-Party-Id (RPID) field in the SIP header and Nortel uses the P-Asserted-Id field (PAI) in the SIP header. Because neither party understand the other's method, they use the name and number information in the SIP FROM: header instead.

For features such as CLIR, CNIR, COLR, and CONR, set the SIP FROM: header to be "Anonymous" and the privacy setting on the Remote-Party-Id or P-Asserted-Id field to "Restricted."

Cisco Unified CallManager supports Alerting/Connected Name and Number using the Remote-Party-Id tag in the SIP Header. Nortel supports the Connected Name and Number by using the P-Asserted-Id tag in the SIP Header. However, the Nortel PBX does not support Alerting name and number information (there is no P-Asserted-Id tag wtihin the SIP 180/183 alerting message).

Call Transfer and Call Forward features work but the phone's name and number display update capability does not because the two systems use different methods of passing the name and number across the SIP trunk.

Call Completion (Callback) Feature is not supported on either system (Cisco Unified CallManager or Nortel CS1000M) using standard SIP protocol.

MWI ON/OFF messages do not work across the SIP Trunk connection between the two systems.

End-to-end DTMF relay signaling does not work between the two systems. Cisco Unified CallManager uses the RFC2833 method of passing the DTMF digits across the SIP trunk and Nortel uses SIP INFO method of passing the DTMF digits across SIP Trunk.

For the Cisco Unified CallManager SIP Trunk configuration, the “Media Termination Point Required” box must be checked in order for the two systems to communicate.

System Components

Hardware Requirements

Cisco Unified CallManager MCS server, Unity server, and Cisco 7960 and 7940 phones

Nortel Communication System 1000M (which includes Call Server, Signaling Server and Media Gateway) and Nortel’s i2004/i2002 IP phones

Software Requirements

Cisco Unified CallManager Release 4.1(3)sr2

Nortel Succession 4.0 Release

Features

Note: See the “Limitations” section.

CLIP-Calling Line (Number) Identification Presentation

CLIR-Calling Line (Number) Identification Restriction

CNIP-Calling Name Identification Presentation

CNIR-Calling Name Identification Restriction

Alerting Name

CT-Call Transfer by Join

CFU-Call Forwarding Unconditional

CFB-Call Forwarding Busy

CFB-Call Forwarding Busy

COLP-Connected Line (Number) Identification Presentation

COLR- Connected Line (Number) Identification Restriction

CONP-Connected Name Identification Presentation

CONR-Connected Name Identification Restriction

Features Not Supported

MWI- Message Waiting Indication (lamp ON, lamp OFF) across the SIP Trunk

Call Completion (Callback, Automatic Callback)

Call Completion

End-to-End DTMF signaling

Configuration

Nortel Communication Server 1000 PBX Configuration Sequence and Tasks

Call Server Setup Using SSC Card Console

1. LD 17 – Configure the IP D-channel (signaling channel) between the Call Server and the Signaling Server
2. LD 97 – Configure the Super-loop for the Virtual Trunks
3. LD 14 – Configure the SIP Virtual Trunks to the Signaling Server
4. LD 14 – Configure the Virtual Gateway Trunks
5. LD 11 – Configure for the Virtual lines for the Nortel IP phone (i200x series)
6. LD 16 – Configure the SIP route
7. LD 86 – Configure the Route List Block for the Virtual Trunk route
8. LD 87 – Configure CDP steering codes

Signaling Server Setup Using the Nortel Element Manager

9. Configure the Zones
10. Configure a new IP Telephony Node summary
11. Configure the Node section
12. Configure the VGW and IP phone codec profile section
13. Configure the Quality of Service (QoS) section
14. Configure LAN Configuration section
15. Configure the SIP GW Setting section
16. Configure the Card section for the MC-32 VGMC card section
17. Configure the Signaling Server section

NRS (Network Routing Server)

18. Configure the System Wide Settings
19. Configure the NRS Server Settings
20. Configure a Service Domain
21. Configure a L1 Domain (UDP)
22. Configure a L0 Domain (CDP)
23. Configure a SIP gateway
24. Configure the Routing Entries

Cisco Unified CallManager Setup

25. Create the Media Resource Group and Media Resource Group List for the MTP requirement
26. Add an SIP Trunk for the Nortel CS1000 PBX under the Device pull-down menu
27. Add a Route Pattern to reach the Nortel's phone DN extensions
28. Add a Route Pattern to reach the Nortel CallPilot VoiceMail system
29. Add a Route Pattern to PSTN via Nortel CS1000M
30. Configure Cisco 7960 phone and line DN

Configuration Menus and Commands

Nortel Communication Server 1000 (CS1000) Configuration

Call Server Setup:

1. LD 17 – Configure the IP D-channel (signaling channel) between the Call Server and the Signaling Server

```
>ld 22
PT2000

REQ  prt
```

```
TYPE adan dch 3

ADAN     DCH 3
  CTYP DCIP
  DES  IP_Trunk_DCH
  USR  ISLD
  ISLM 4000
  SSRC 1800
  OTBF 32
  NASA NO
  IFC  SL1
  CNEG 1
  RLS  ID  4
  RCAP ND2
  MBGA NO
  H323
    OVLR NO
    OVLS NO
```

2. LD 97 – Configure the Super-loop for the Virtual Trunks

```
>ld 97
SCSYS000
MEM AVAIL: (U/P): 2854769    USED U P: 182454 59352    TOT: 3096575
DISK RECS AVAIL: 1152
REQ  prt
TYPE supl
SUPL

SUPL  SUPT SLOT XPEC0   XPEC1

 000  STD  LEFT 01 0 1  -- - -
 004  STD  LEFT 02 0 1  -- - -
 008  STD  LEFT 03 0 1  -- - -
 012  STD  LEFT 04 0 1  -- - -
 016  STD  LEFT 05 0 1  -- - -
 032  STD  LEFT 06 0 3  -- - -
 036  STD  LEFT 07 0 3  -- - -
 040  STD  LEFT 08 0 3  -- - -
 044  STD  LEFT 10 0 3  -- - -
 048  STD  LEFT 09 0 3  -- - -
 064  STD  LEFT 11 0 3  -- - -
 068  STD  LEFT 12 0 3  -- - -
 072  STD  LEFT 13 0 3  -- - -
 096  VIRTUAL CARDS 61 - 64  81 - 84
 100  VIRTUAL CARDS 65 - 68  85 - 88
 128  STD  LEFT 32 0 1  33 2 3
 132  STD  LEFT 34 0 1  35 2 3
 136  STD  LEFT 36 0 1  37 2 3
 140  STD  LEFT 38 0 1  39 2 3
 144  STD  LEFT 40 0 1  41 2 3
 148  STD  LEFT 42 0 1  43 2 3
 152  STD  LEFT 44 0 1  45 2 3
 156  STD  LEFT 46 0 1  47 2 3
```

3. LD 14 – Configure the SIP Virtual Trunks to the Signaling Server (One trunk = one line connection)

>ld 20
REQ: prt
TYPE: tnb
TN 62 0 0 0 **➔ SIP Virtual trunk to Signaling Server**
DATE
PAGE
DES

DES SIP_IP_VTRK
TN 062 0 00 00 VIRTUAL
TYPE IPTI
CDEN 8D
CUST 0
XTRK VTRK
ZONE 000
LDOP BOP
TIMP 600
BIMP 600
AUTO_BIMP NO
TRK ANLG
NCOS 0
RTMB 10 1
CHID 1
TGAR 1
STRI/STRO IMM IMM
SUPN YES
AST NO
IAPG 0
CLS CTD DTN WTA LPR APN THFD
P10 NTC MID
TKID
AACR NO
DATE 25 FEB 2005

NACT

4. LD 14 – Configure the Virtual Gateway Trunks (upto 32 trunks per MC-32)

>ld 20
REQ: prt
TYPE: tnb
TN 3
CDEN
CUST
DATE
PAGE
DES

DES 192.168.1.2
TN 003 0 00 00 **➔ 1st channel define on the gateway**

TYPE VGW
CUST 0
XTRK MC32
ZONE 000

DES 192.168.1.2
TN 003 0 00 01 **➔ 2nd channel define on the gateway**
TYPE VGW
CUST 0
XTRK MC32
ZONE 000

5. LD 11 – Configure for the Virtual lines for the Nortel IP phones (phone A and phone B)

Phone A (i2004)

```
>ld 11
SL1000
MEM AVAIL: (U/P): 2854769    USED U P: 182454 59352    TOT: 3096575
DISK RECS AVAIL: 1152
DIGITAL TELEPHONES AVAIL:     6    USED:     2    TOT:     8
IP USERS AVAIL:     6    USED:     2    TOT:     8
BASIC IP USERS AVAIL:     7    USED:     1    TOT:     8
ACD AGENTS AVAIL:    10    USED:     0    TOT:    10
PCA AVAIL:     0    USED:     0    TOT:     0
AST     AVAIL:     1    USED:     0    TOT:     1
TNS     AVAIL:  2405    USED:    95    TOT:  2500
DATA PORTS AVAIL:  2500    USED:     0    TOT:  2500

REQ: prt
TYPE: tnb

TN   61 0 0 02
DATE
PAGE
DES
```

DES I2004
TN 061 0 00 02 VIRTUAL
TYPE I2004
CDEN 8D
CUST 0
ZONE 000
FDN 2500
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
LNRS 16
XLST
CLS CTD **FBA** WTA LPR MTD **FNA HTA** TDD HFD CRPD

MWA LMPN RMMD SMWD AAD IMD XHD IRA NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LNA **CNDA**
CFTA SFD MRD DDV **CNIA** CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA CFXA** ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AGRD MOAD
AHD **DDGA NAMA**
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
VOLA VOUD CDMR
CPND_LANG ENG
RCO 0
EFD 2500
HUNT 2500
EHT 2500
LHK 0
LPK 1
PLEV 02
CSDN
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 2201 0 MARP
CPND
NAME ZEUS_2201
XPLN 8
DISPLAY_FMT FIRST,LAST
01
02
03 MIK
04 MCK
05
06
07
08
09
10
11
12
13
14
15
16 MWK 2500
17 TRN
18 AO6
19 CFW 16 2500
20 RGA
21 PRK
22 RNP
23

24 PRS
25 CHG
26 CPN
27
28
29
30
31
DATE 30 NOV 2005
NACT

Phone B (i2002):

REQ: prt
TYPE: tnb
TN 61 0 0 1
DATE
PAGE
DES

DES I2002
TN 061 0 00 01 VIRTUAL
TYPE I2002
CDEN 8D
CUST 0
ZONE 000
FDN 3690
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
LNRS 16
XLST
CLS CTD **FBD** WTA LPR MTD **FNA HTA** TDD HFD CRPD
MWA LMPN RMMD SMWD AAD IMD XHD IRA NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LNA **CNDA**
CFTA SFD MRD DDV **CNIA** CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA CFXA** ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AGRD MOAD AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
VOLA VOUD CDMR
CPND_LANG ENG
RCO 0
EFD 3690
HUNT 3690
EHT 3690
LHK 0

```
LPK  1
PLEV 02
CSDN
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY  00 SCR 2201 0     MARP
        CPND
          NAME ZEUS_2201
          XPLN 8
          DISPLAY_FMT FIRST,LAST
     01
     02
     03 MIK
     04 MCK
     05
     06
     07
     08
     09
     10
     11
     12
     13
     14
     15
     16 MWK 3690
     17 TRN
     18 AO6
     19 CFW 16  3690
     20 RGA
     21 PRK
     22 RNP
     23
     24 PRS
     25 CHG
     26 CPN
     27
     28
     29
     30
     31
DATE 30 NOV 2005
NACT
```

6. LD 16 – Configure the SIP route

```
>ld 21
PT1000
```

REQ: prt
TYPE: rdb
CUST 0
ROUT 10

TYPE RDB
CUST 00
DMOD
ROUT 10
DES SIP_TIE
TKTP TIE
NPID_TBL_NUM   0
ESN NO
CNVT NO
SAT NO
RCLS EXT
VTRK YES
ZONE 000
PCID SIP
CRID YES
NODE 101
DTRK NO
ISDN YES
   MODE ISLD
   DCH 3
   IFC SL1
   PNI 00001
   NCNA YES
   NCRD YES
   TRO NO
   FALT NO
   CTYP UKWN
   INAC NO
   ISAR NO
   DAPC NO
PTYP ATT
AUTO NO
DNIS NO
DCDR NO
ICOG IAO
SRCH LIN
TRMB YES
STEP
ACOD 2310
TCPP NO
TARG 01
CLEN 1
BILN NO
OABS
INST
ANTK
SIGO STD
STYP SDAT
ICIS YES

```
TIMR ICF  512
    OGF  512
    EOD  13952
    DSI  34944
    NRD  10112
    DDL  70
    ODT  4096
    RGV  640
    GRD  896
    SFB  3
    NBS  2048
    NBL  4096

    IENB  5


PAGE 002

    TFD  0
    VSS  0
    VGD  6
SST  5 0
NEDC ORG
FEDC ORG
CPDC NO
DLTN NO
HOLD 02 02 40
SEIZ 02 02
SVFL 02 02
DRNG NO
CDR  NO
VRAT NO
MUS  NO
MANO NO
FRL  0 0
FRL  1 0
FRL  2 0
FRL  3 0
FRL  4 0
FRL  5 0
FRL  6 0
FRL  7 0
OHQ  NO
OHQT 00
CBQ  NO
AUTH NO
TTBL 0
ATAN NO
OHTD NO
PLEV 2
ALRM NO
ART  0
SGRP 0
AACR NO
```

REQ:

7. LD 86 – Configure the Route List Block for the Virtual Trunk route

>ld 86
ESN000

MEM AVAIL: (U/P): 2819994   USED U P: 223389 69576   TOT: 3112959
DISK RECS AVAIL: 1152
REQ prt
CUST 0
FEAT rlb
RLI 10

RLI 10
ENTR 0
LTER NO
ROUT 10
TOD 0 ON 1 ON 2 ON 3 ON
    4 ON 5 ON 6 ON 7 ON
VNS NO
SCNV NO
CNV NO
EXP NO
FRL 0
DMI 0
ISDM 0
FCI 0
FSNI 0
SBOC NRR
IDBB DBD
IOHQ NO
OHQ NO
CBQ NO

ISET 0
NALT 5
MFRL 0
OVLL 0

8. LD 87 – Configure CDP steering codes

>ld 87
ESN000

MEM AVAIL: (U/P): 2819994   USED U P: 223389 69576   TOT: 3112959
DISK RECS AVAIL: 1152
REQ prt
CUST 0
FEAT cdp
TYPE dsc
DSC
DSC 35   **➔ 35xx Route to Unity VM send out via SIP route**

FLEN 0
DSP LSC
RLI 10 → **SIP Route List**
NPA
NXX
DSC 36 → **36xx Route to CCM extension, sent out via SIP route**
FLEN 0
DSP LSC
RLI 10 → **SIP Route List**
NPA
NXX

9. LD 90 – Configure BARS/NARS route to PSTN

>ld 90
ESN000

MEM AVAIL: (U/P): 2819994 USED U P: 223389 69576 TOT: 3112959
DISK RECS AVAIL: 1152
REQ prt
CUST 0
FEAT net
TRAN ac1
TYPE npa

NPA

NPA 1212
RLI 2
SDRR NONE
ITEI NONE

NPA 1408
RLI 2
SDRR NONE
ITEI NONE

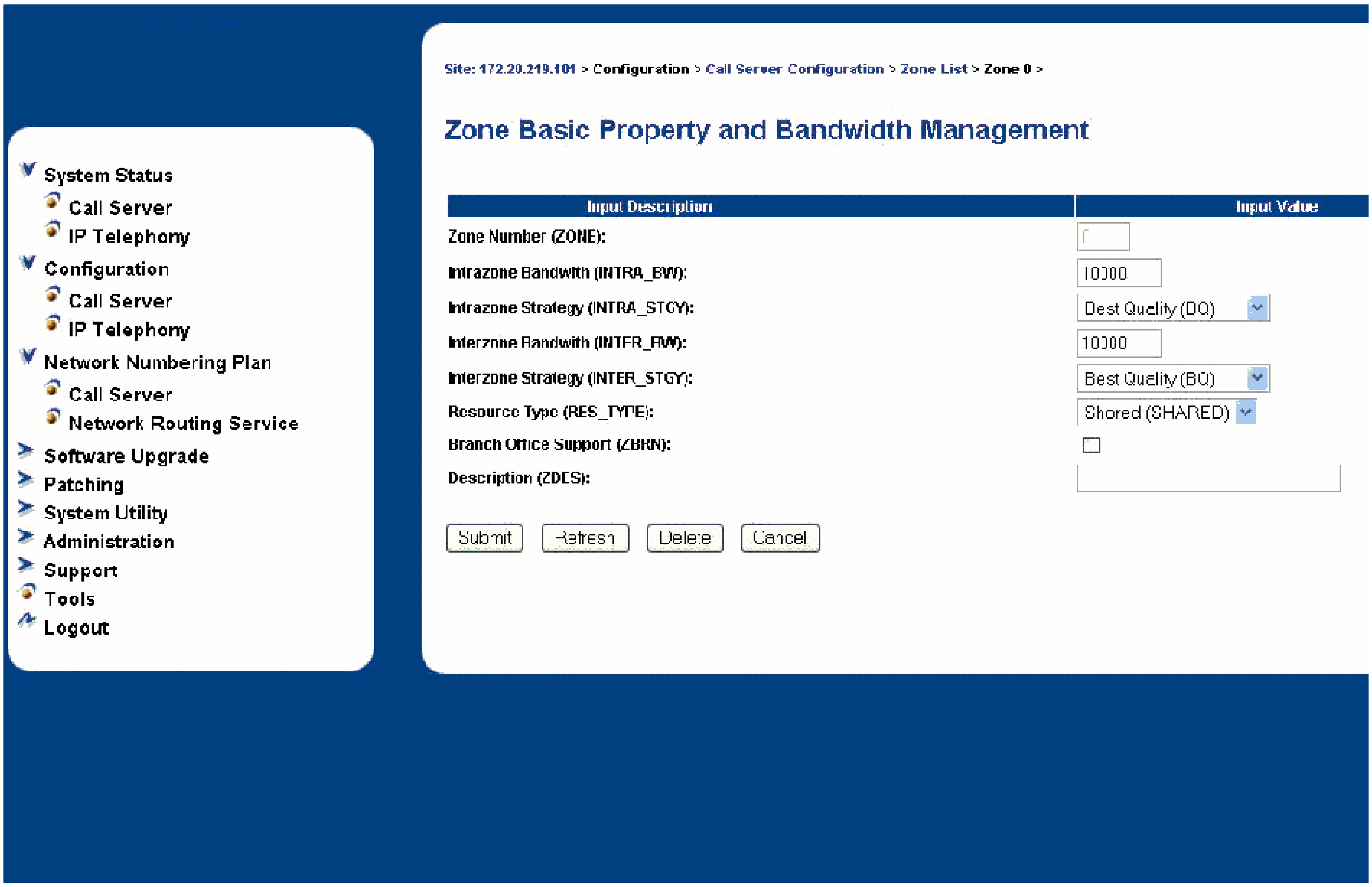
NPA 1800
RLI 2
SDRR NONE
ITEI NONE

NPA 1808
RLI 7
SDRR NONE
ITEI NONE

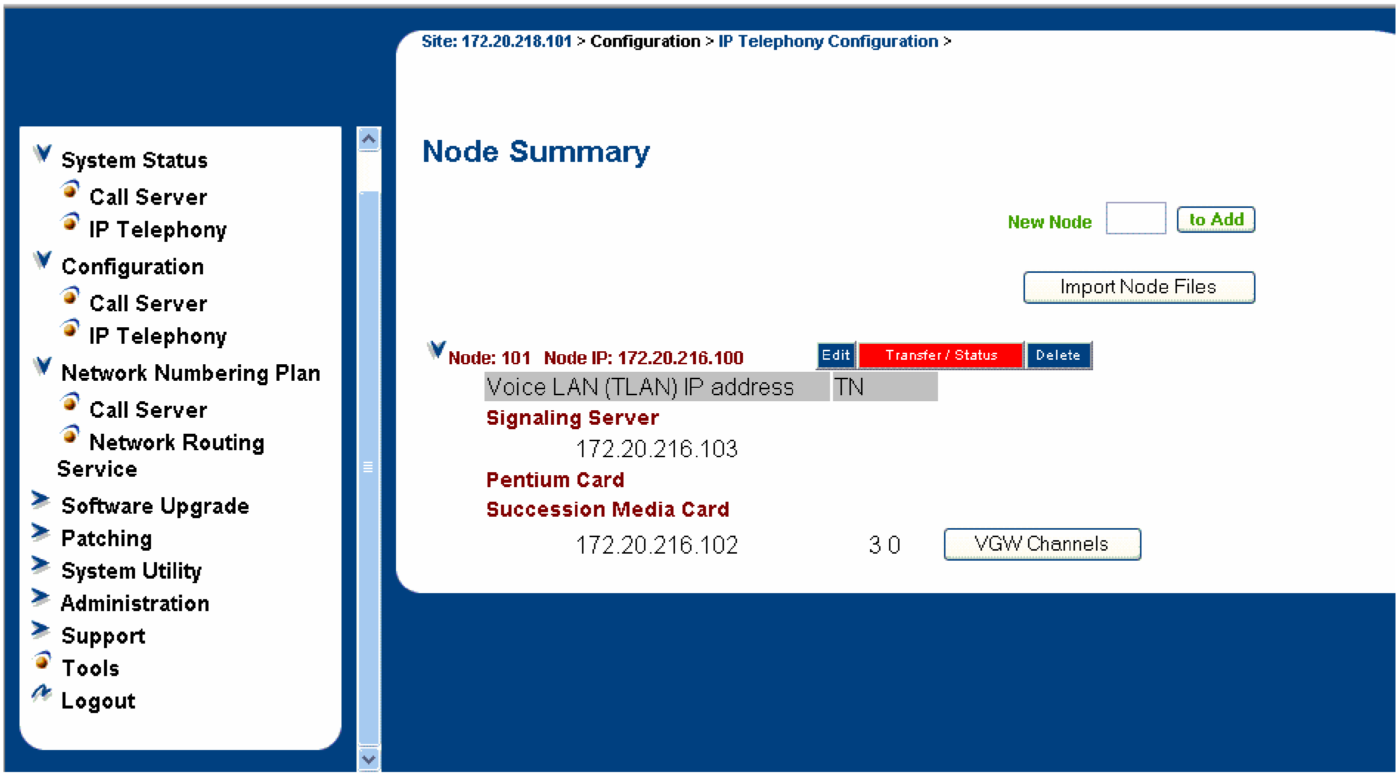
MEM AVAIL: (U/P): 2819994 USED U P: 223389 69576 TOT: 3112959
DISK RECS AVAIL: 1152
REQ

Signaling Server Setup:

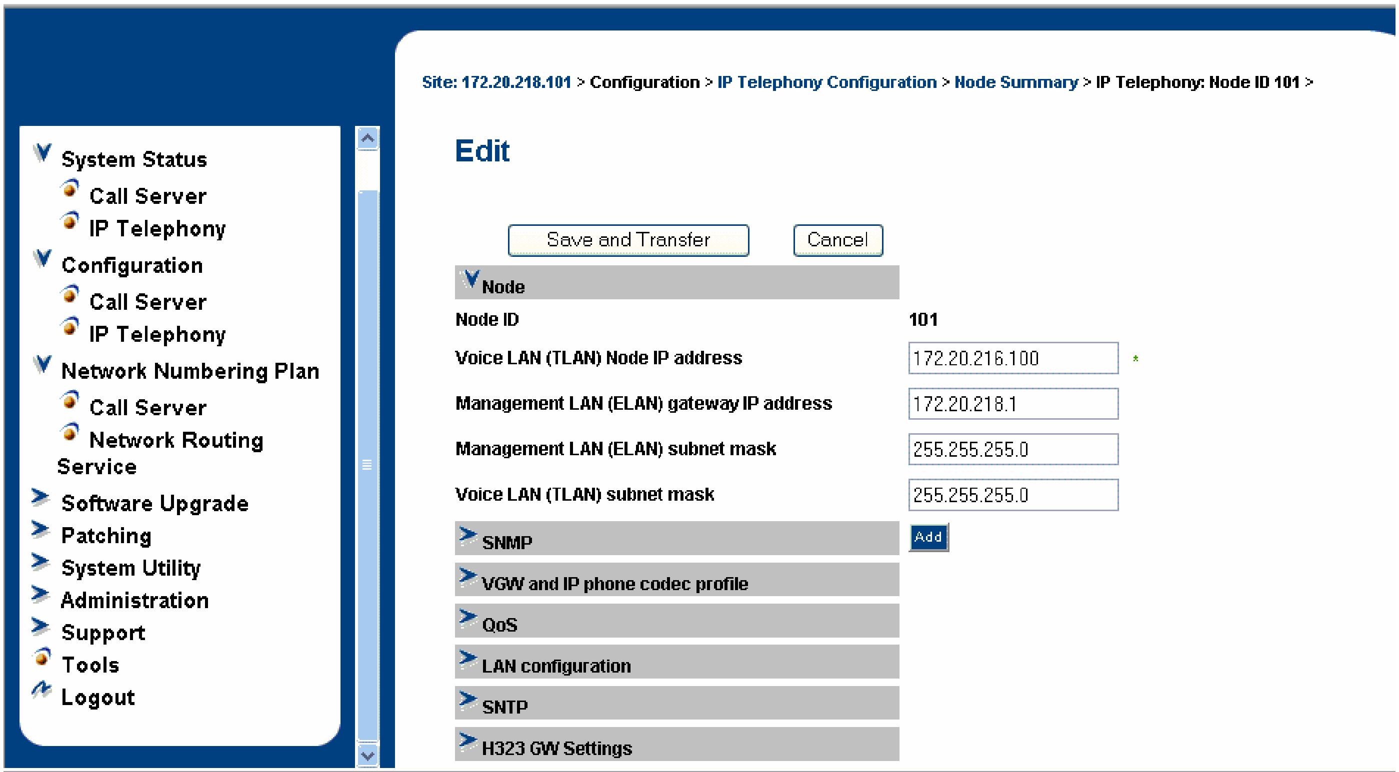
10. Configure the Zones



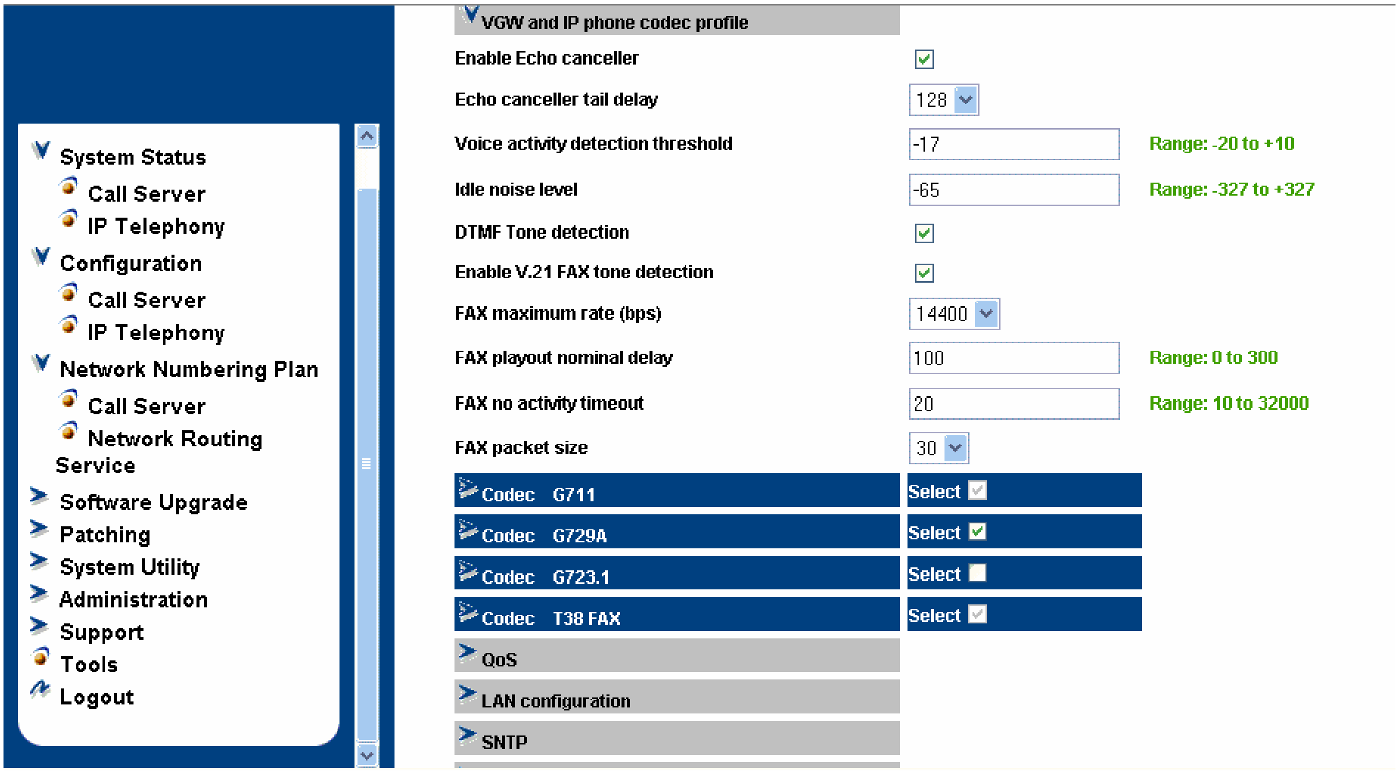
11. Configure a new IP Telephony Node summary

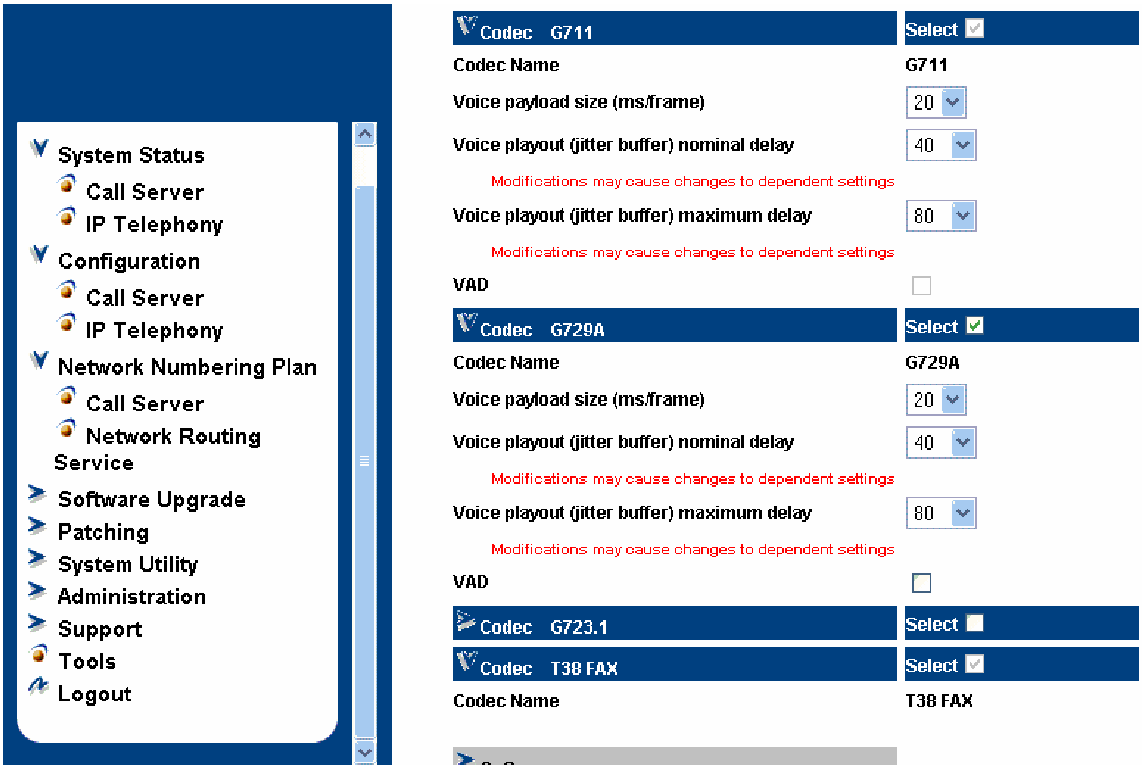


12. Configure the Node section

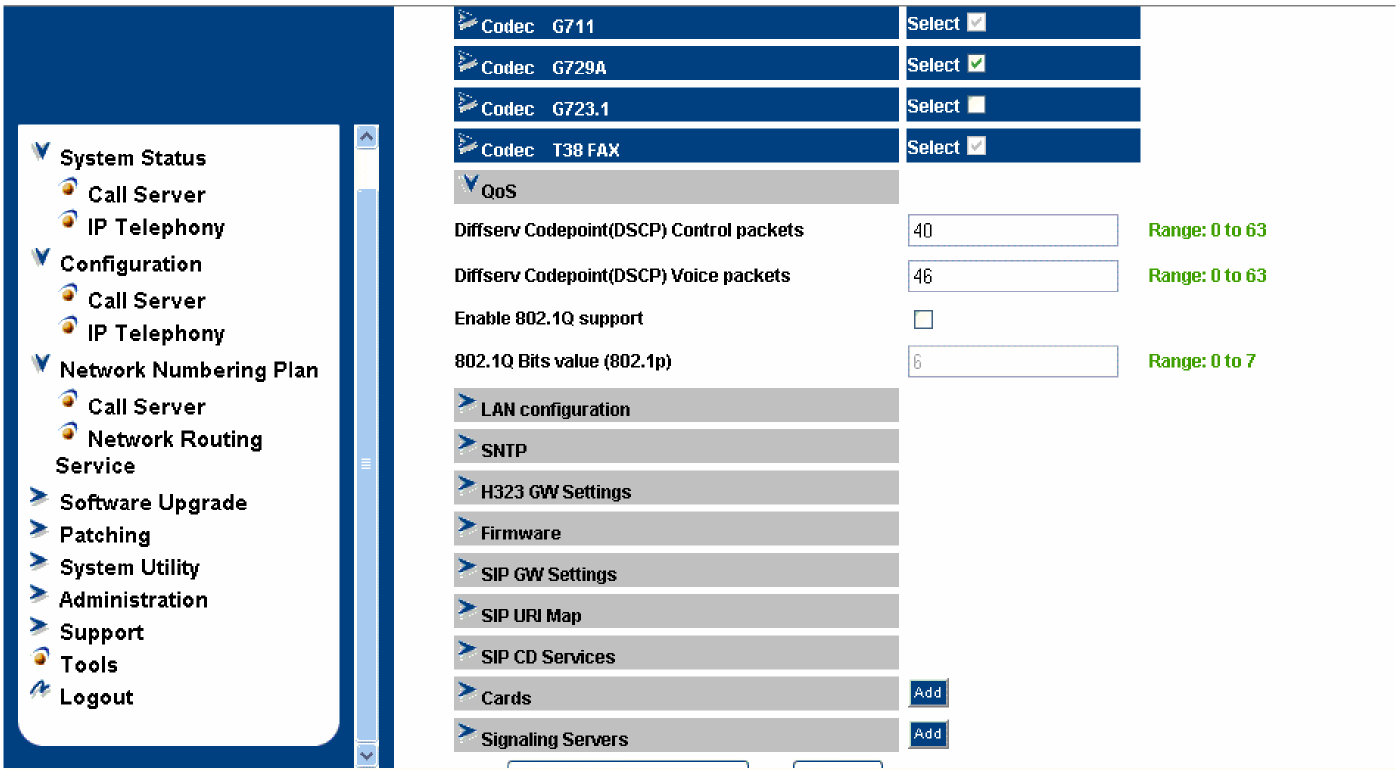


13. Configure the VGW and IP phone codec profile section

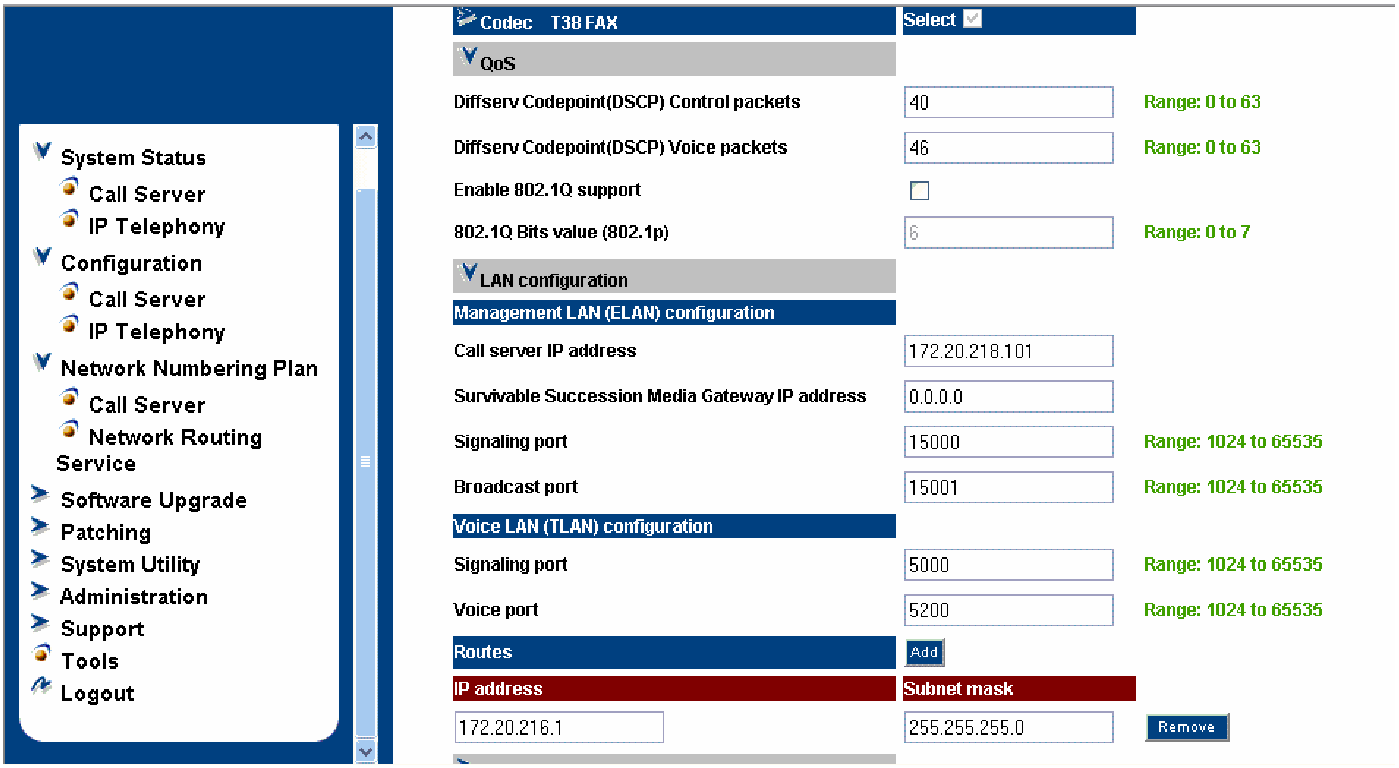



System Status
Call Server
IP Telephony
Configuration
Call Server
IP Telephony
Network Numbering Plan
Call Server
Network Routing Service
Software Upgrade
Patching
System Utility
Administration
Support
Tools
Logout
Codec G711
Select
Codec Name
G711
Voice payload size (ms/frame)
20
Voice playout (jitter buffer) nominal delay
40
Modifications may cause changes to dependent settings
Voice playout (jitter buffer) maximum delay
80
Modifications may cause changes to dependent settings
VAD
Codec G729A
Select
Codec Name
G729A
Voice payload size (ms/frame)
20
Voice playout (jitter buffer) nominal delay
40
Modifications may cause changes to dependent settings
Voice playout (jitter buffer) maximum delay
80
Modifications may cause changes to dependent settings
VAD
Codec G723.1
Select
Codec T38 FAX
Select
Codec Name
T38 FAX

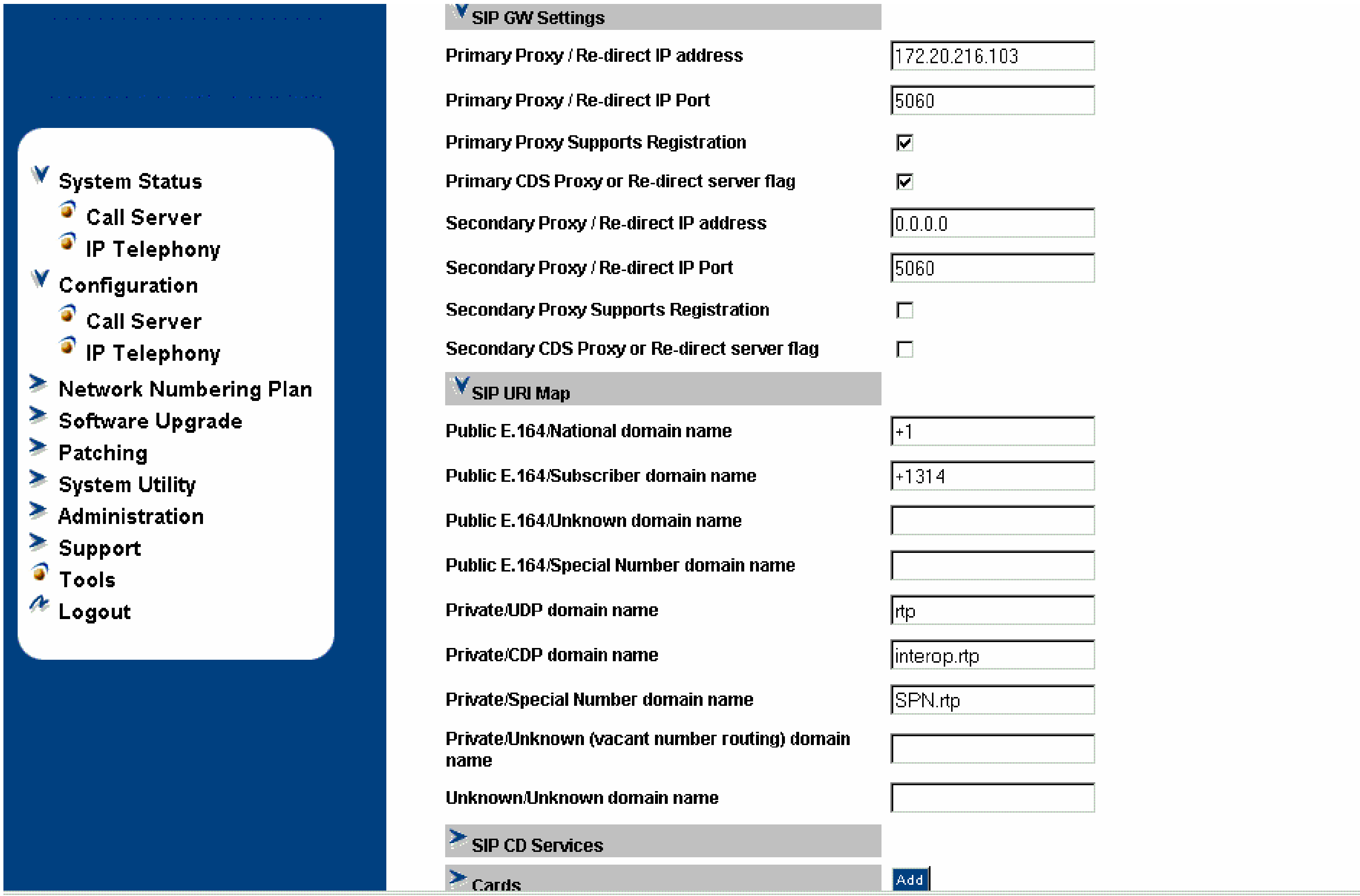
14. Configure the QoS section



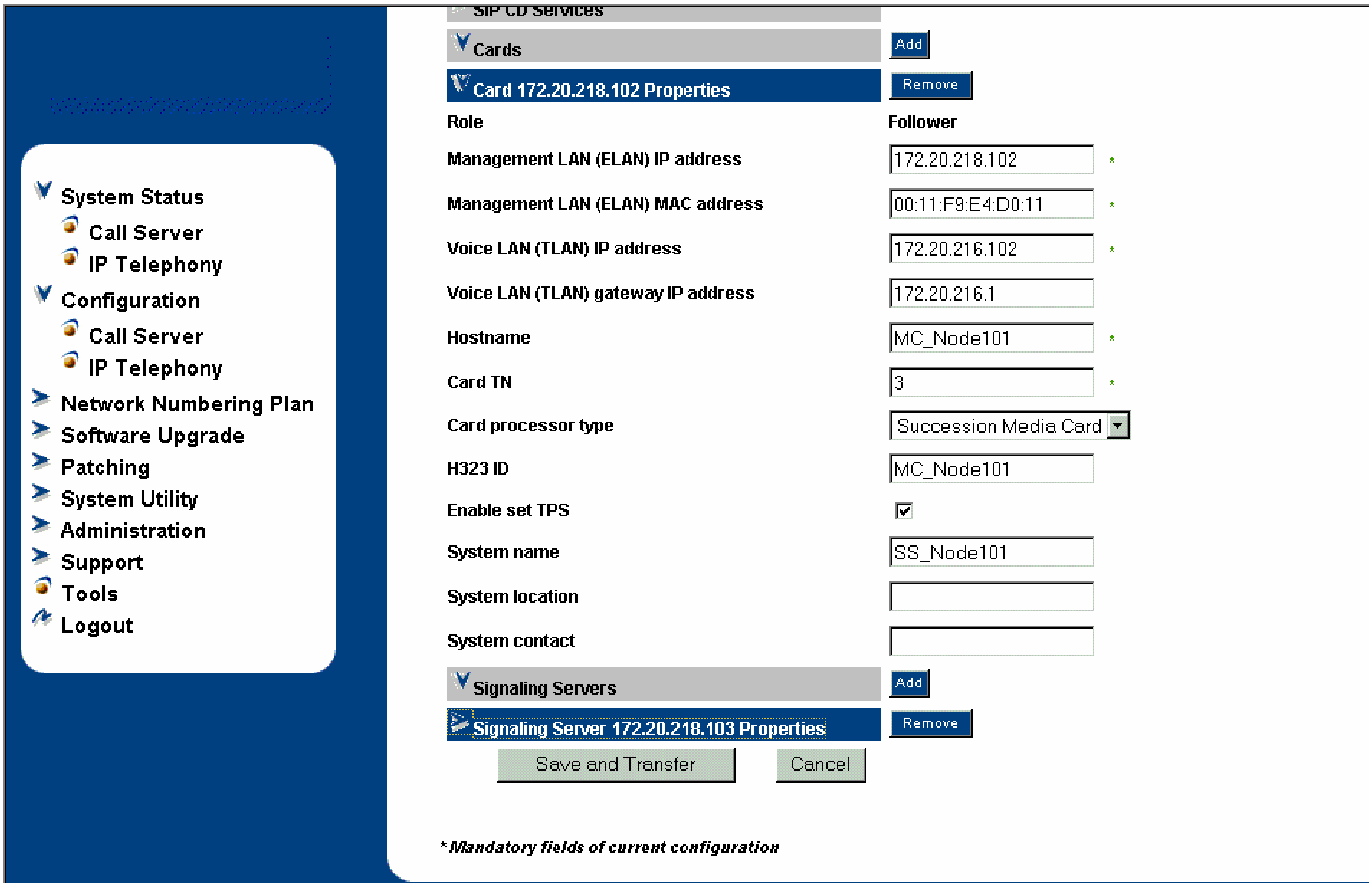
15. Configure LAN Configuration section



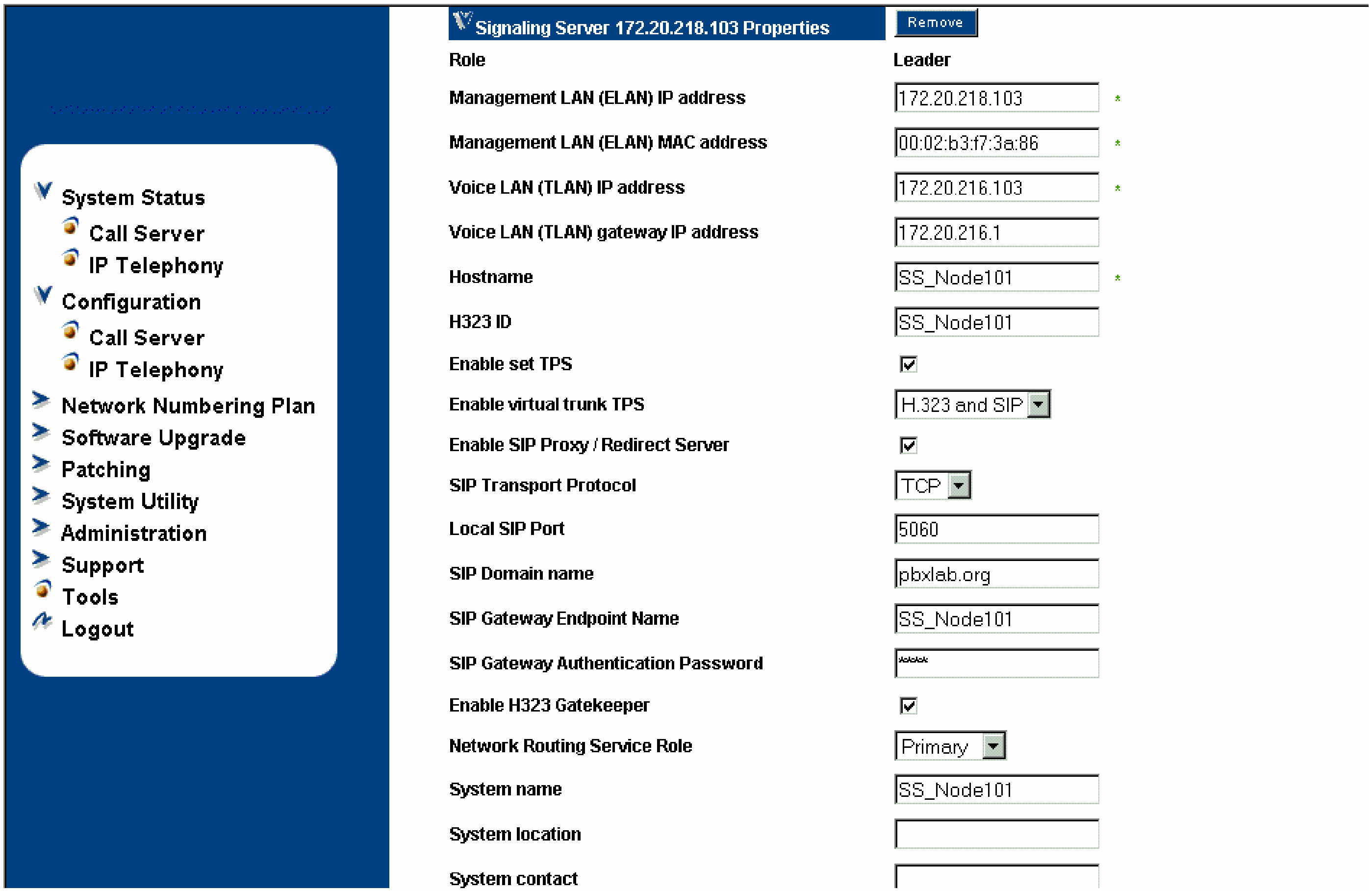
16. Configure the SIP GW Setting section



17. Configure the Card section for the MC-32 VGMC card section

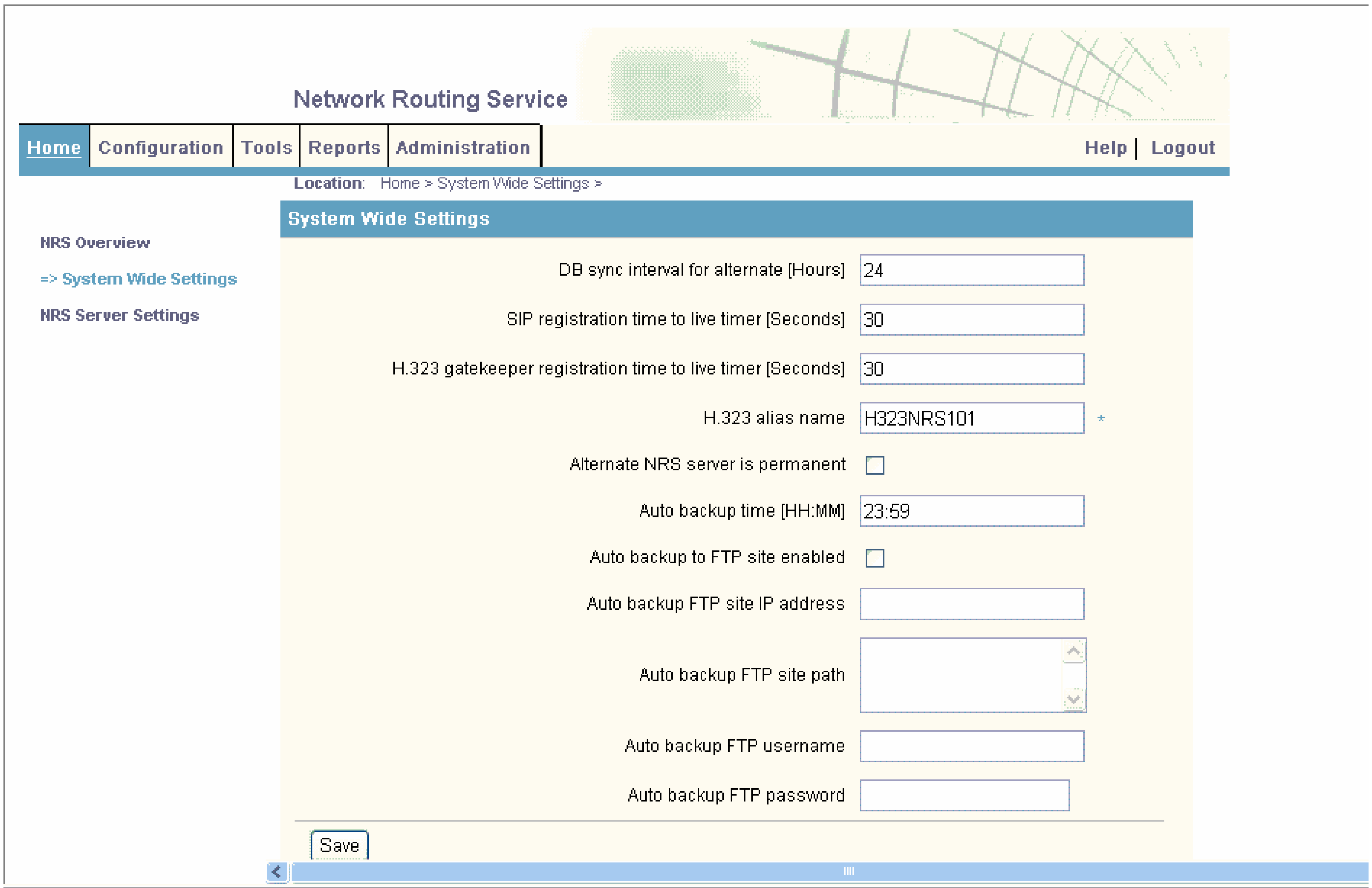


18. Configure the Signaling Server section

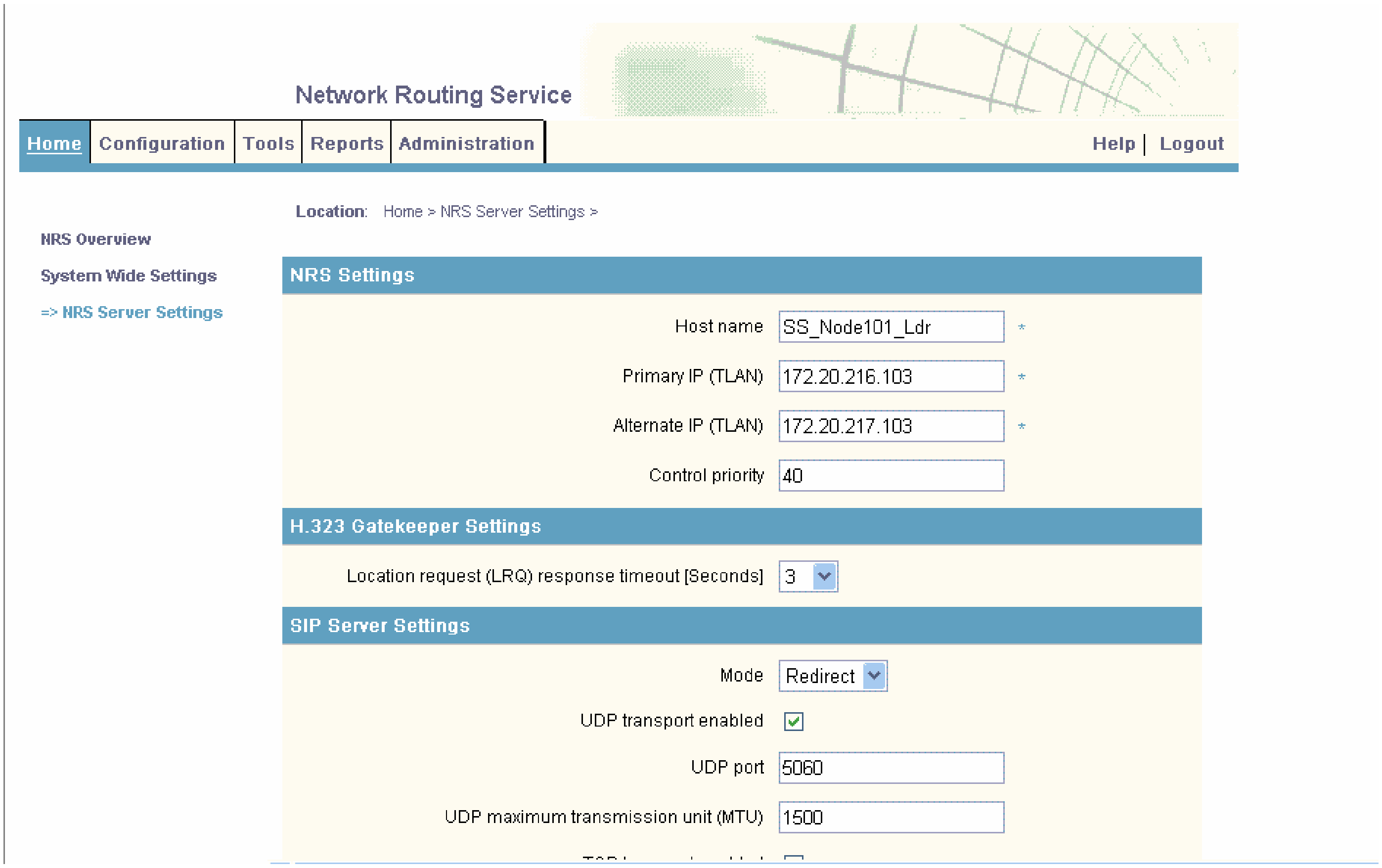


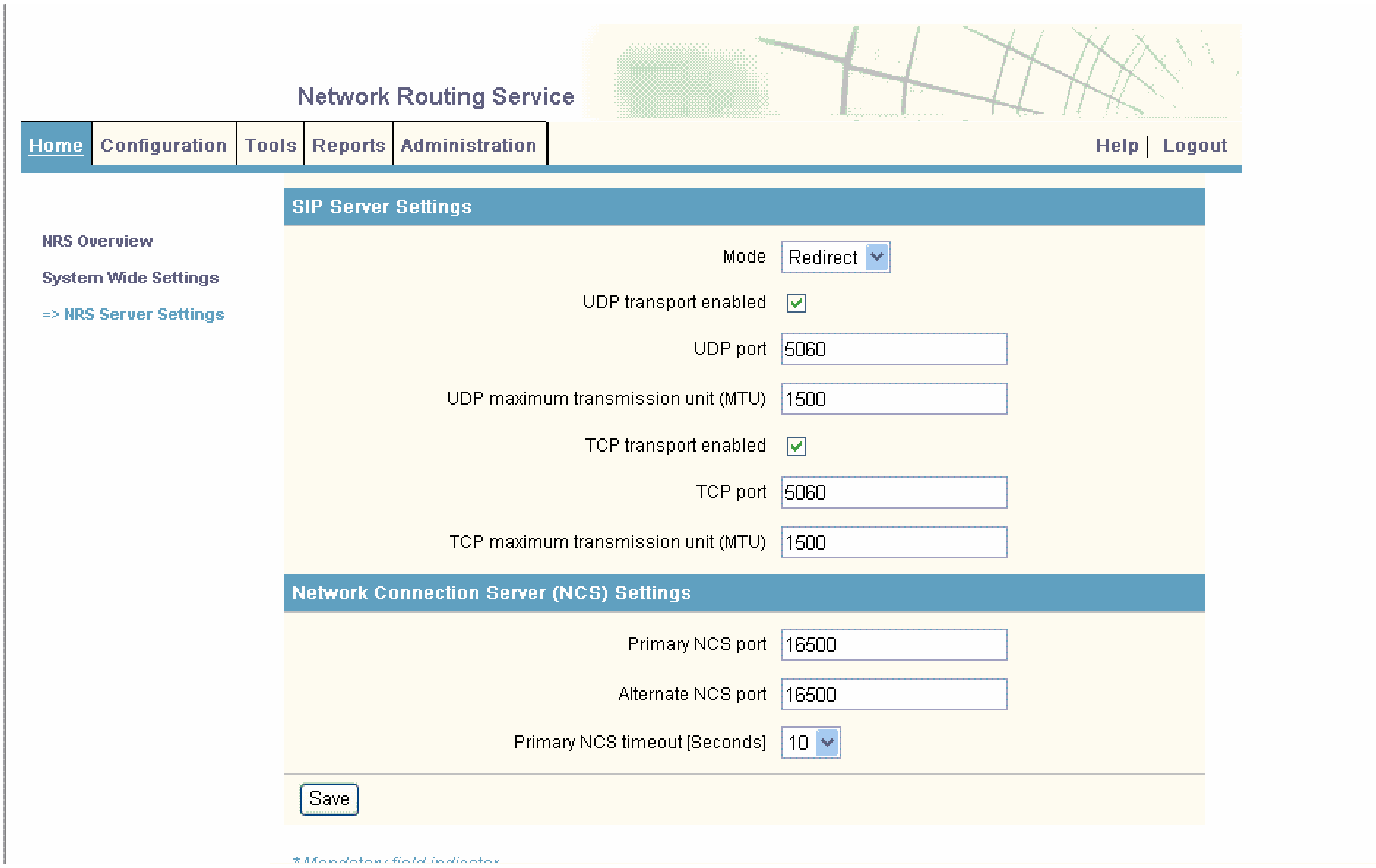
Network Routing Server Setup:

19. Configure the System Wide Settings

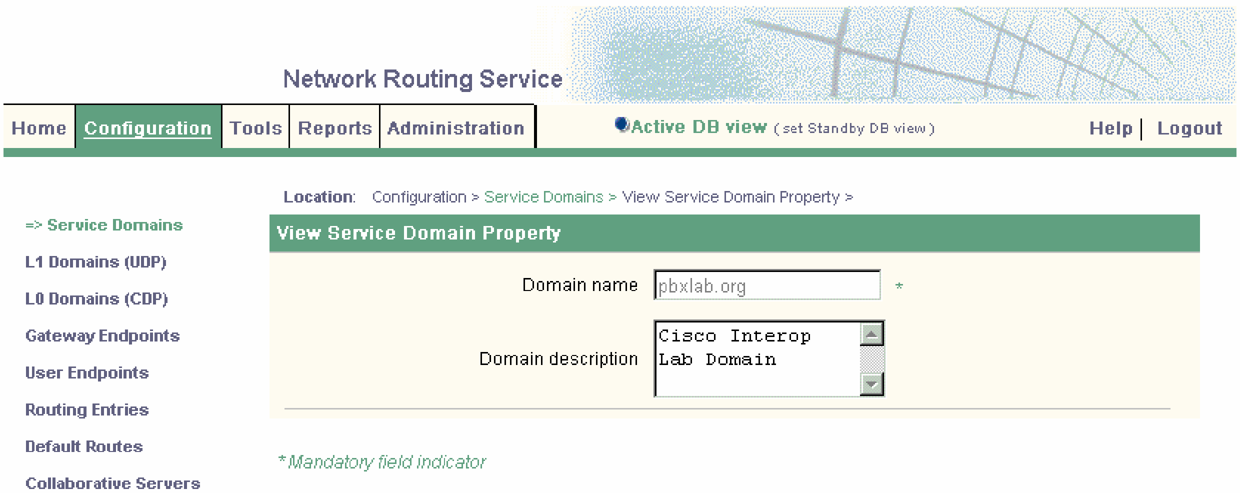


20. Configure the NRS Server Settings

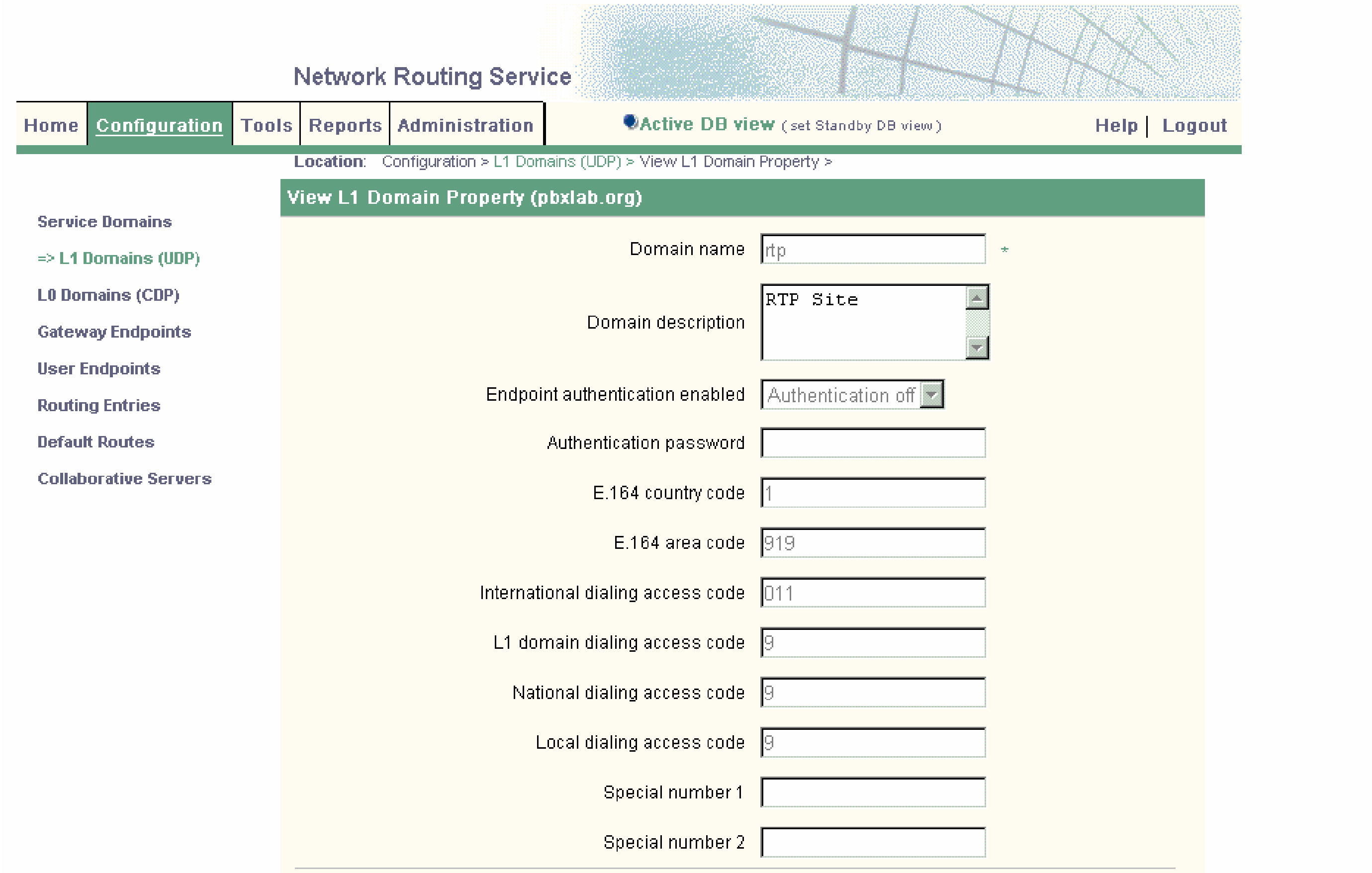



Network Routing Service
Home
Configuration
Tools
Reports
Administration
Help | Logout
NRS Overview
System Wide Settings
=> NRS Server Settings
SIP Server Settings
Mode
Redirect
UDP transport enabled
UDP port
5060
UDP maximum transmission unit (MTU)
1500
TCP transport enabled
TCP port
5060
TCP maximum transmission unit (MTU)
1500
Network Connection Server (NCS) Settings
Primary NCS port
16500
Alternate NCS port
16500
Primary NCS timeout [Seconds]
10
Save

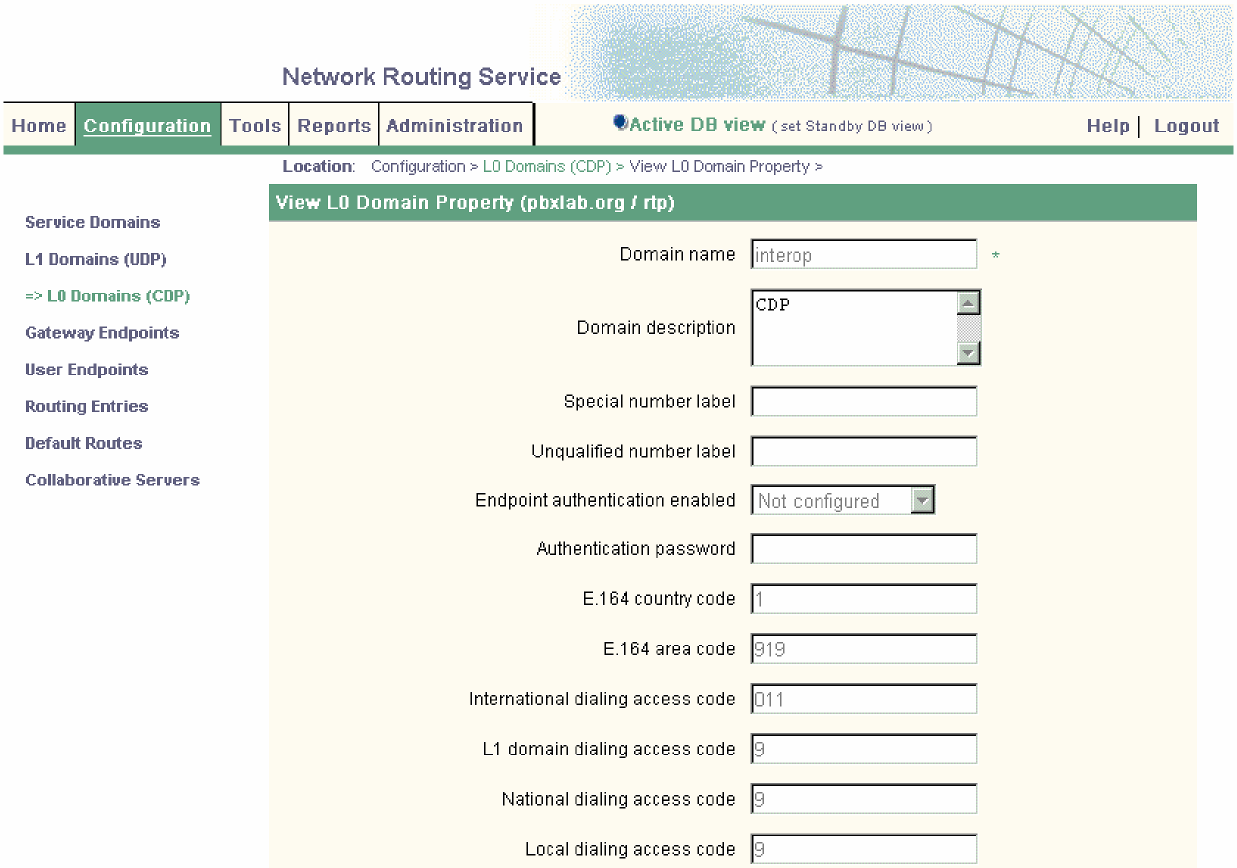
21. Configure a Service Domain



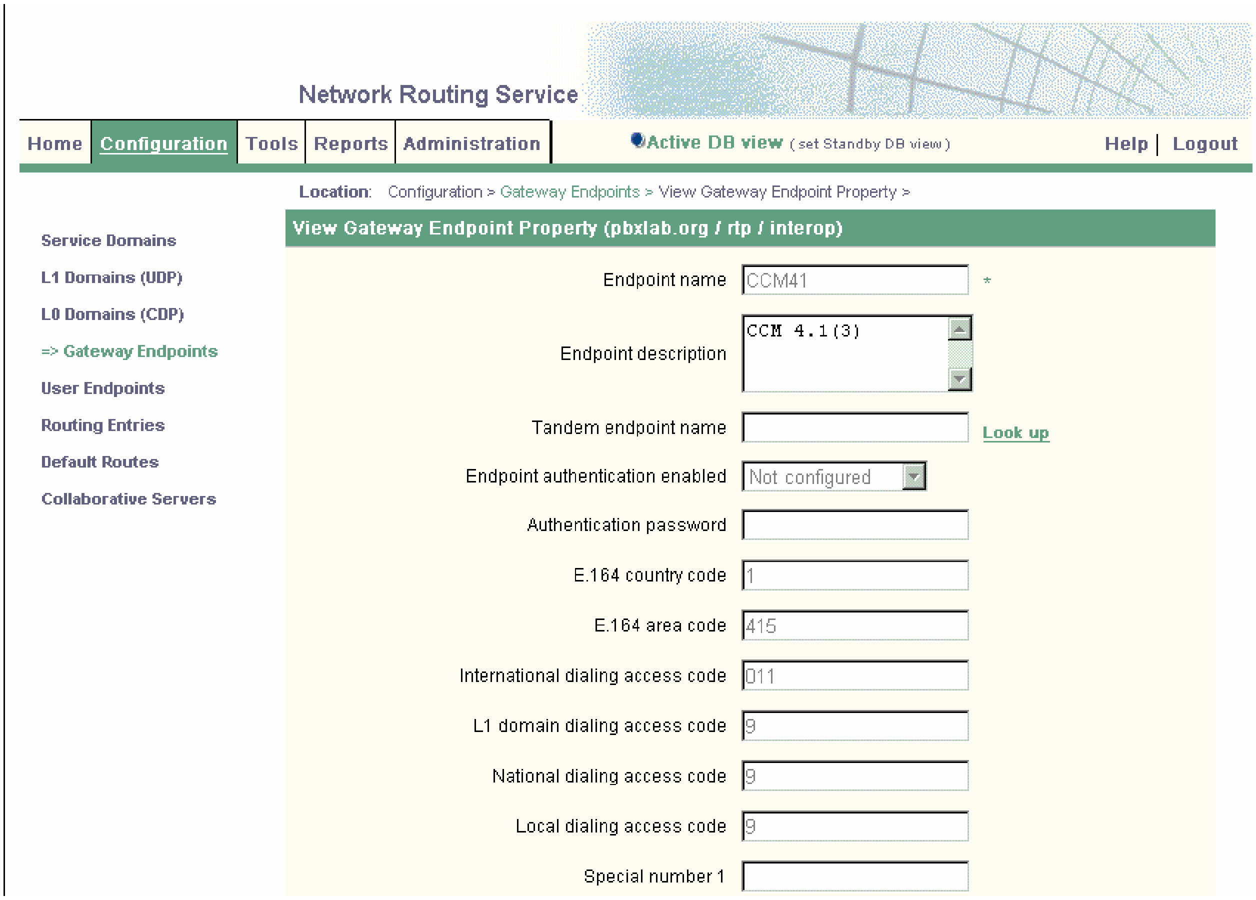
22. Configure a L1 Domain (UDP)

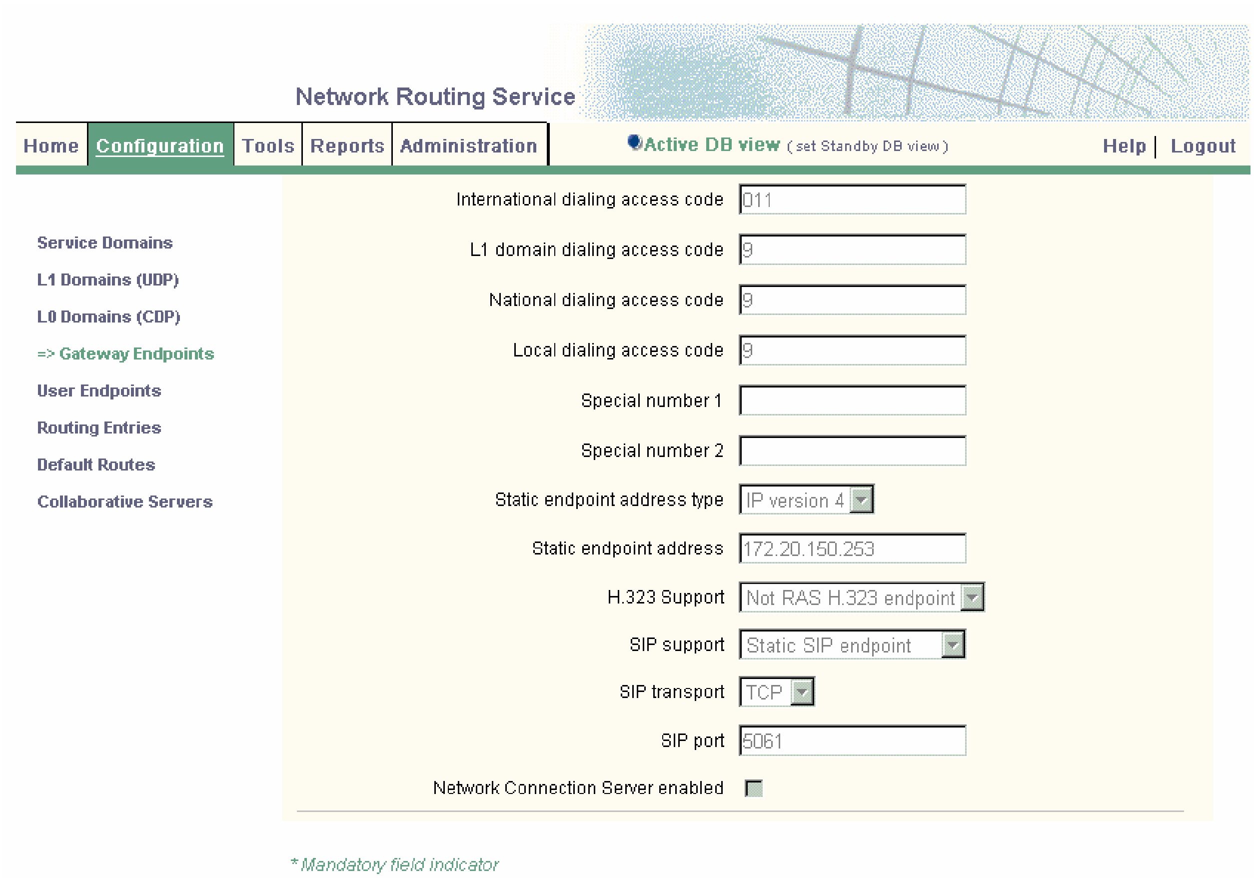


23. Configure a L0 Domain (CDP)

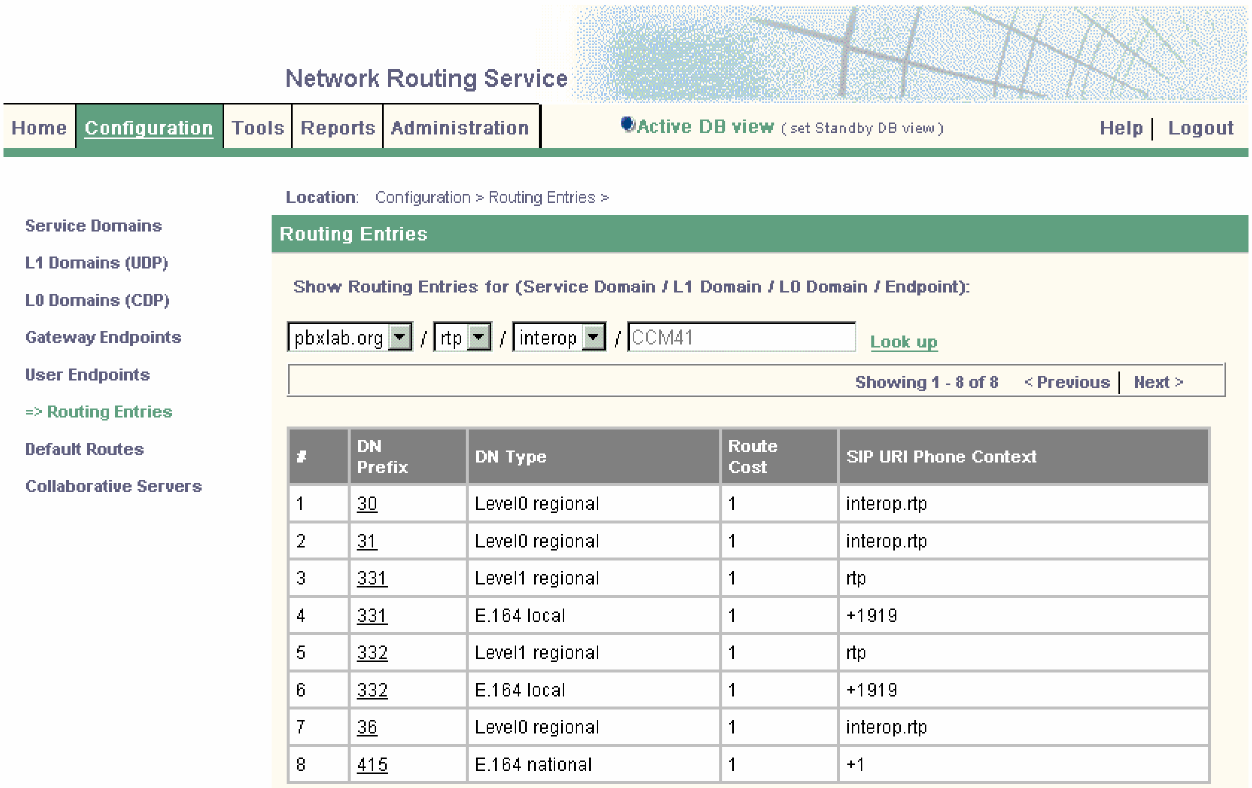


24. Configure a SIP gateway

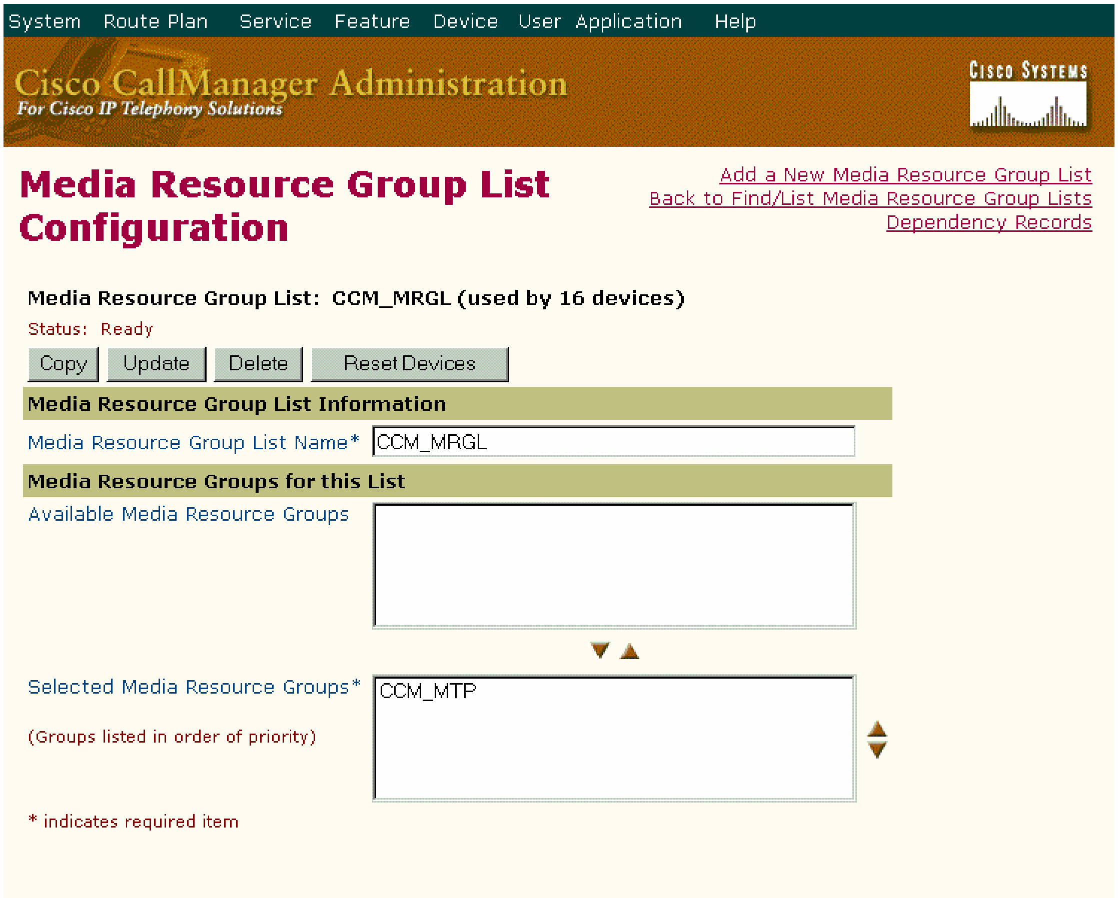



Network Routing Service
Home
Configuration
Tools
Reports
Administration
Active DB view (set Standby DB view)
Help
Logout
Service Domains
L1 Domains (UDP)
L0 Domains (CDP)
=> Gateway Endpoints
User Endpoints
Routing Entries
Default Routes
Collaborative Servers
International dialing access code
011
L1 domain dialing access code
9
National dialing access code
9
Local dialing access code
9
Special number 1
Special number 2
Static endpoint address type
IP version 4
Static endpoint address
172.20.150.253
H.323 Support
Not RAS H.323 endpoint
SIP support
Static SIP endpoint
SIP transport
TCP
SIP port
5061
Network Connection Server enabled
* Mandatory field indicator

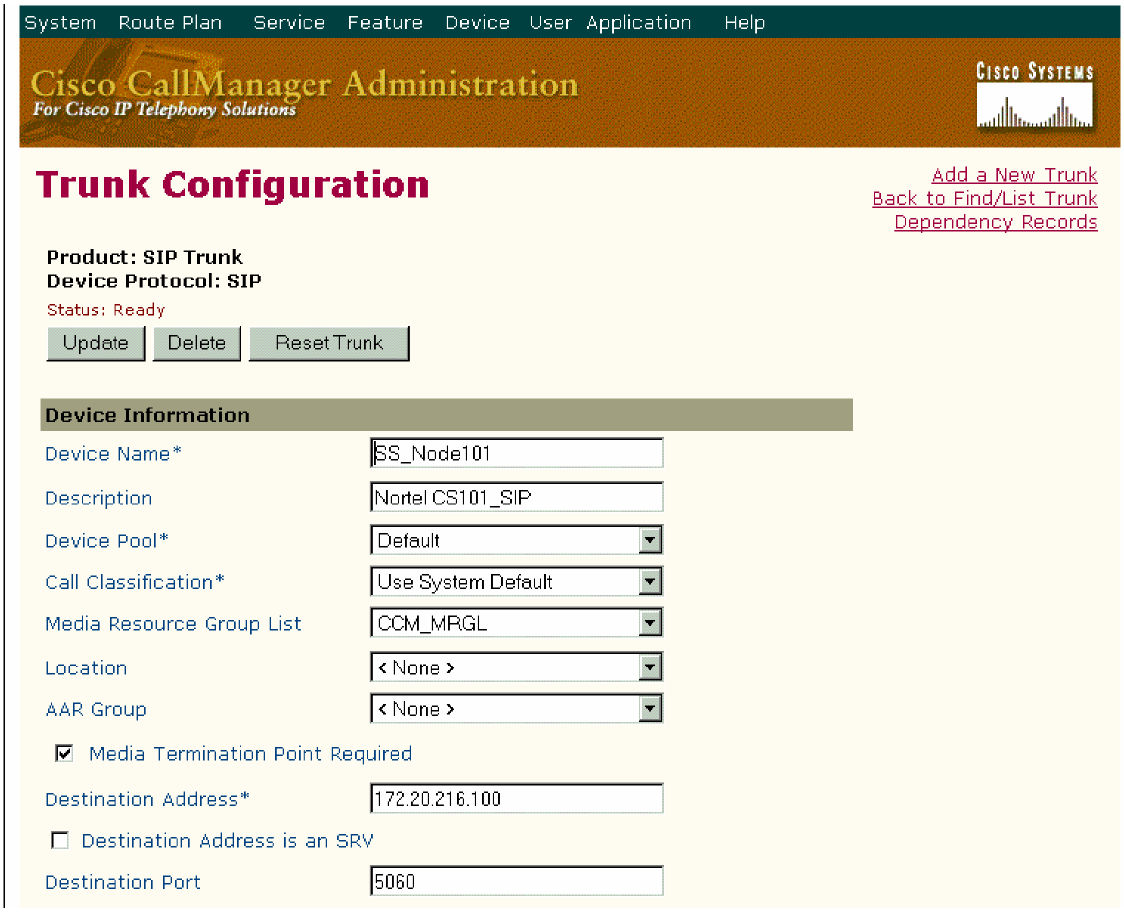
25. Configure the Routing Entries



25. Create the Media Resource Group and Media Resource Group List for the MTP requirement


System Route Plan Service Feature Device User Application Help
Cisco CallManager Administration
For Cisco IP Telephony Solutions
Cisco Systems
Media Resource Group List Configuration
Add a New Media Resource Group List
Back to Find/List Media Resource Group Lists
Dependency Records
Media Resource Group List: CCM_MRGL (used by 16 devices)
Status: Ready
Copy
Update
Delete
Reset Devices
Media Resource Group List Information
Media Resource Group List Name*
CCM_MRGL
Media Resource Groups for this List
Available Media Resource Groups
Selected Media Resource Groups*
(Groups listed in order of priority)
CCM_MTP
* indicates required item

26. Add SIP Trunk for the Nortel CS1000M PBX under the Device pull-down menu



Destination Port	5060
Incoming Port*	5061
Outgoing Transport Type*	TCP
Preferred Originating Codec*	711ulaw

Call Routing Information

Inbound Calls

Significant Digits*	All
Connected Line ID Presentation*	Default
Connected Name Presentation*	Default
Calling Search Space	< None >
AAR Calling Search Space	< None >
Prefix DN	

☑ Redirecting Number Delivery - Inbound

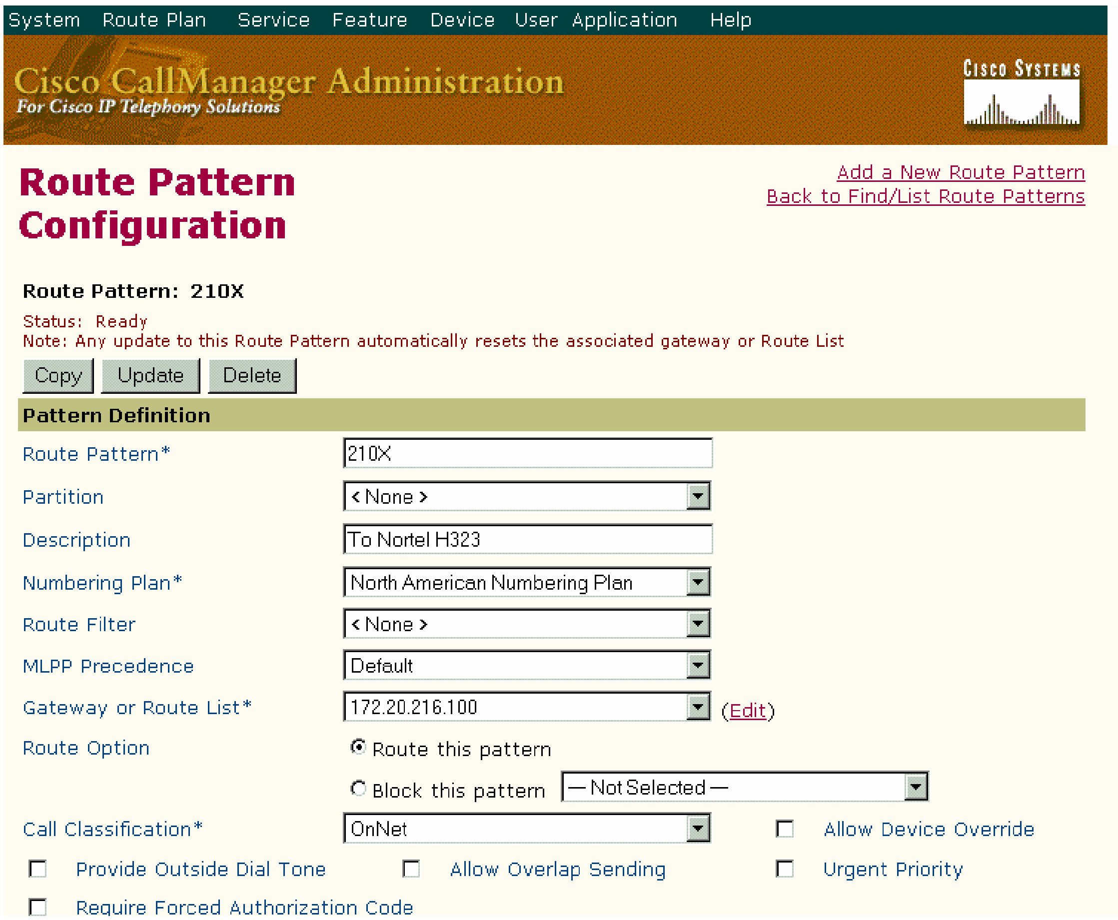
Outbound Calls

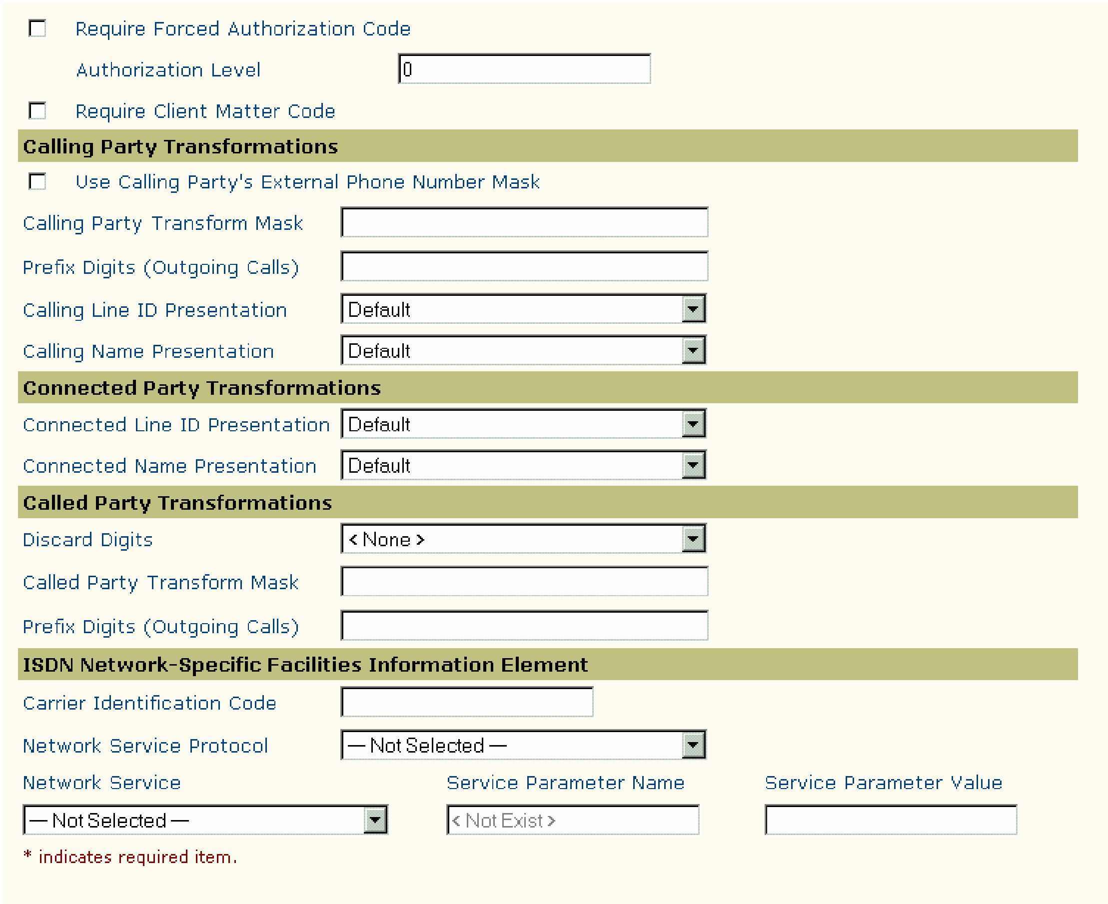
Calling Party Selection*	Originator
Calling Line ID Presentation*	Default
Calling Name Presentation*	Default
Caller ID DN	
Caller Name	

☑ Redirecting Number Delivery - Outbound

Multilevel Precendence and Preemption (MLPP) Information

27. Add a Route Pattern to reach the Nortel's phone DN extensions





Require Forced Authorization Code

Authorization Level: 0

Require Client Matter Code

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	
Prefix Digits (Outgoing Calls)	
Calling Line ID Presentation	Default
Calling Name Presentation	Default

Connected Party Transformations

Connected Line ID Presentation	Default
Connected Name Presentation	Default

Called Party Transformations

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

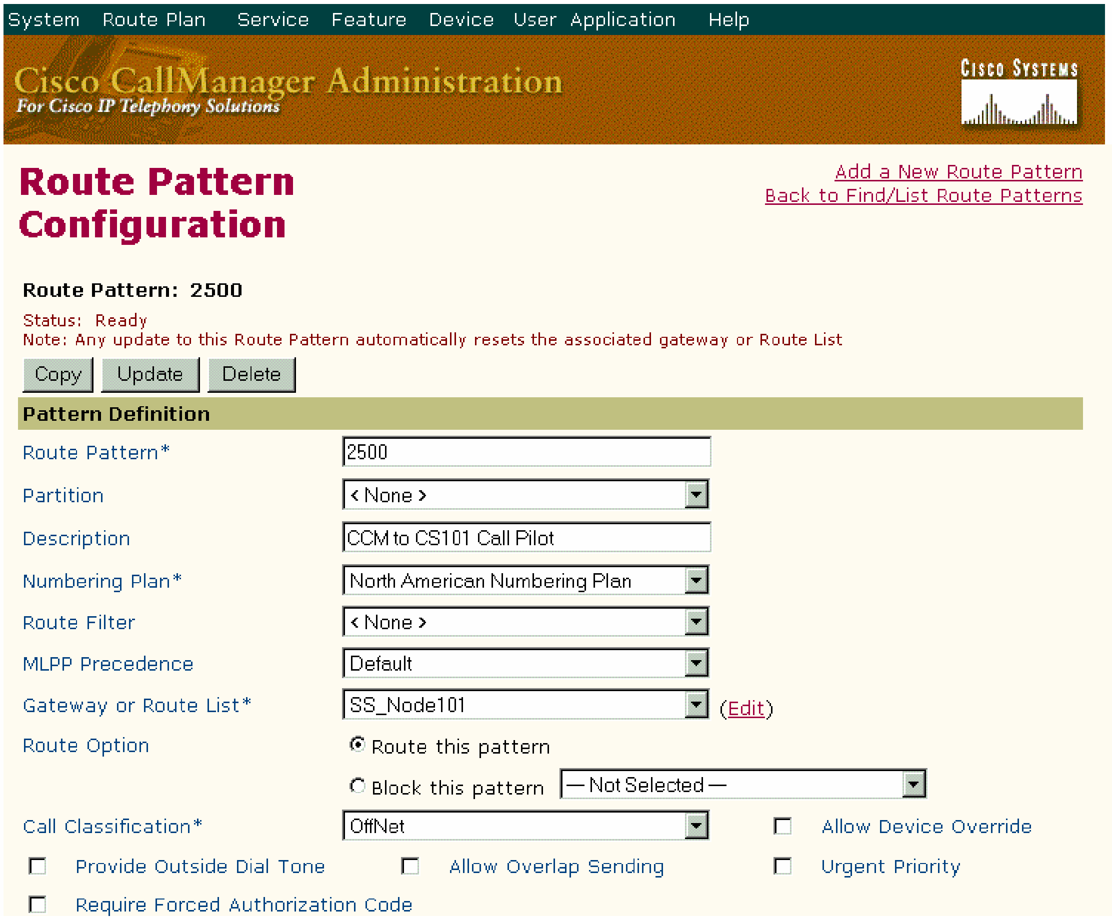
ISDN Network-Specific Facilities Information Element

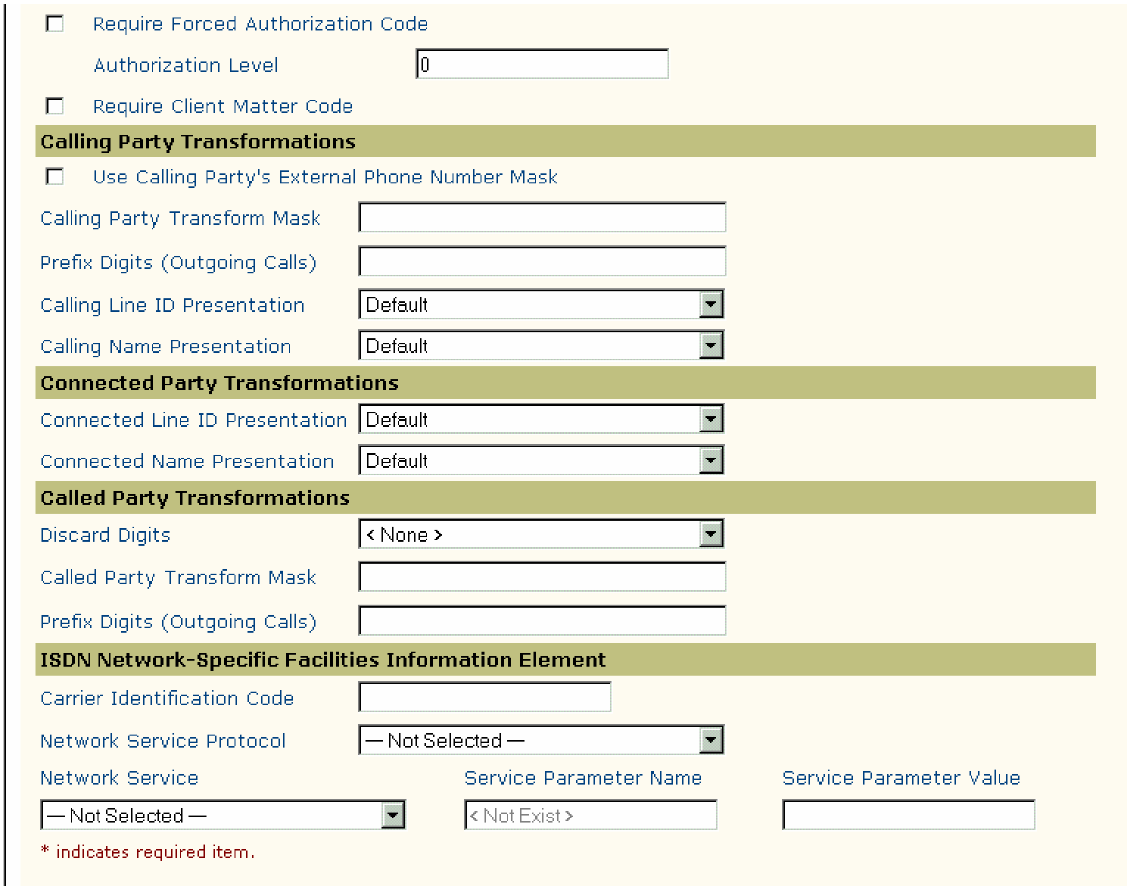
Carrier Identification Code	
Network Service Protocol	— Not Selected —

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

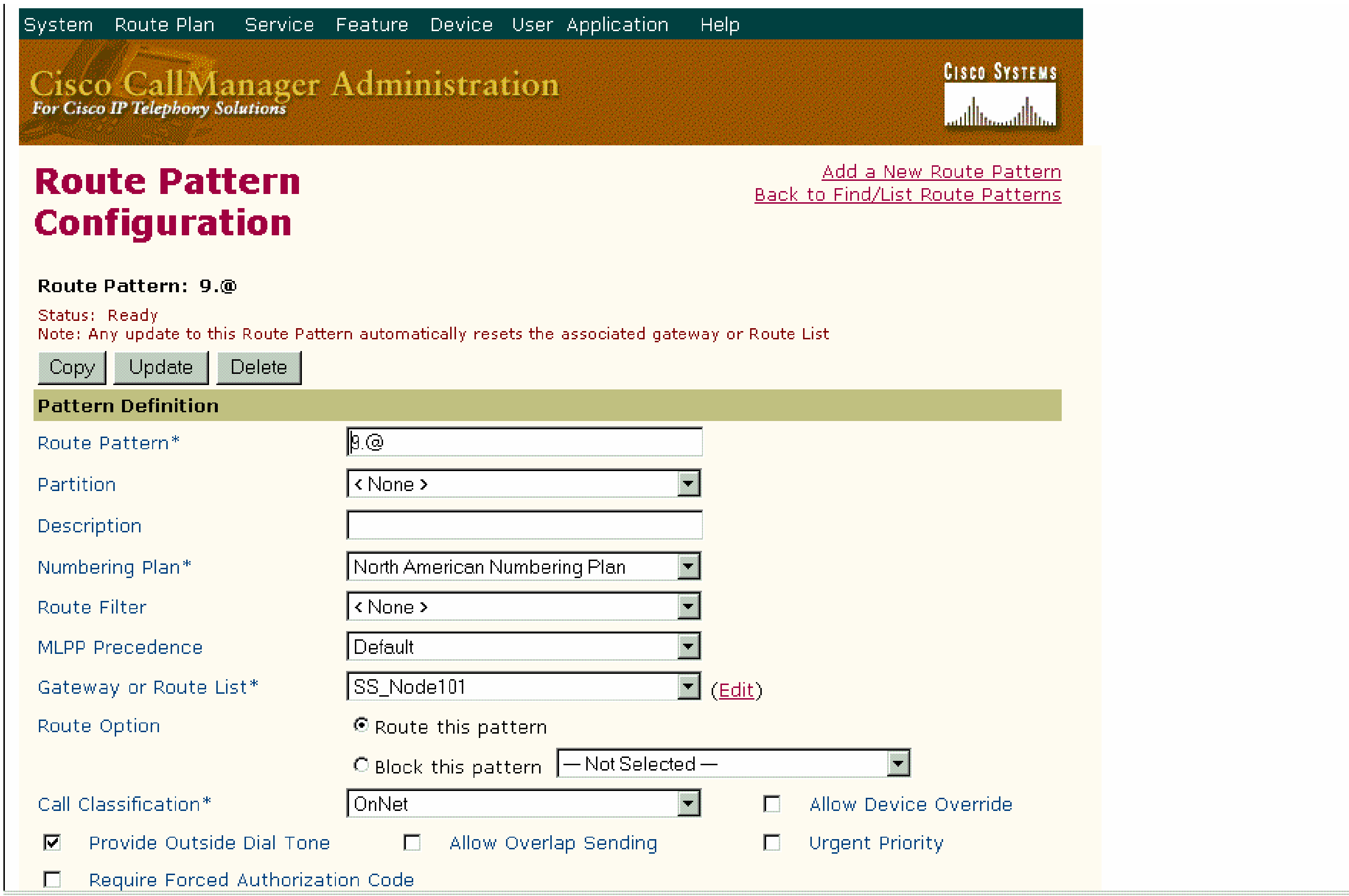
* indicates required item.

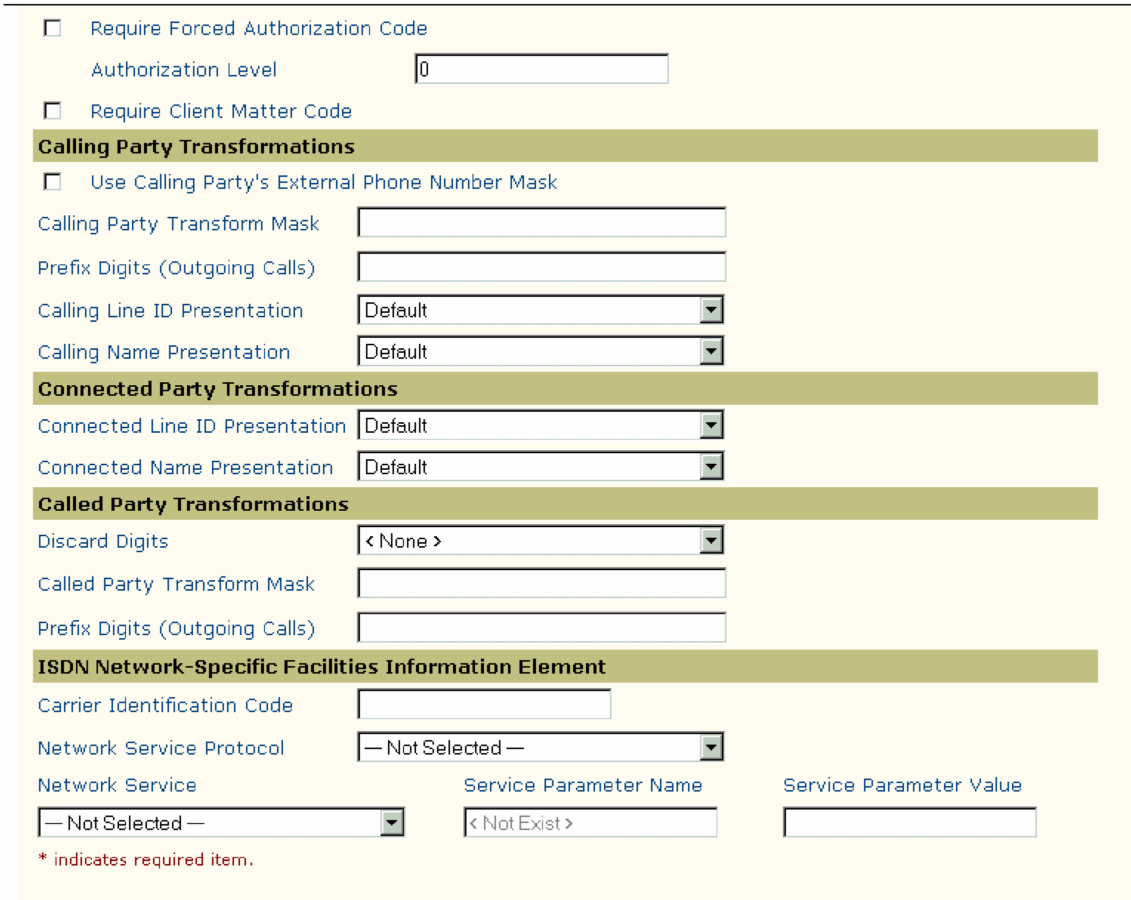
28. Add a Route Pattern to reach the Nortel CallPilot VoiceMail system via SIP trunk




Require Forced Authorization Code
Authorization Level
0
Require Client Matter Code
Calling Party Transformations
Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation
Default
Calling Name Presentation
Default
Connected Party Transformations
Connected Line ID Presentation
Default
Connected Name Presentation
Default
Called Party Transformations
Discard Digits
< None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)
ISDN Network-Specific Facilities Information Element
Carrier Identification Code
Network Service Protocol
— Not Selected —
Network Service
Service Parameter Name
Service Parameter Value
— Not Selected —
< Not Exist >
* indicates required item.

29. Add a Route Pattern to the PSTN via Nortel CS1000M

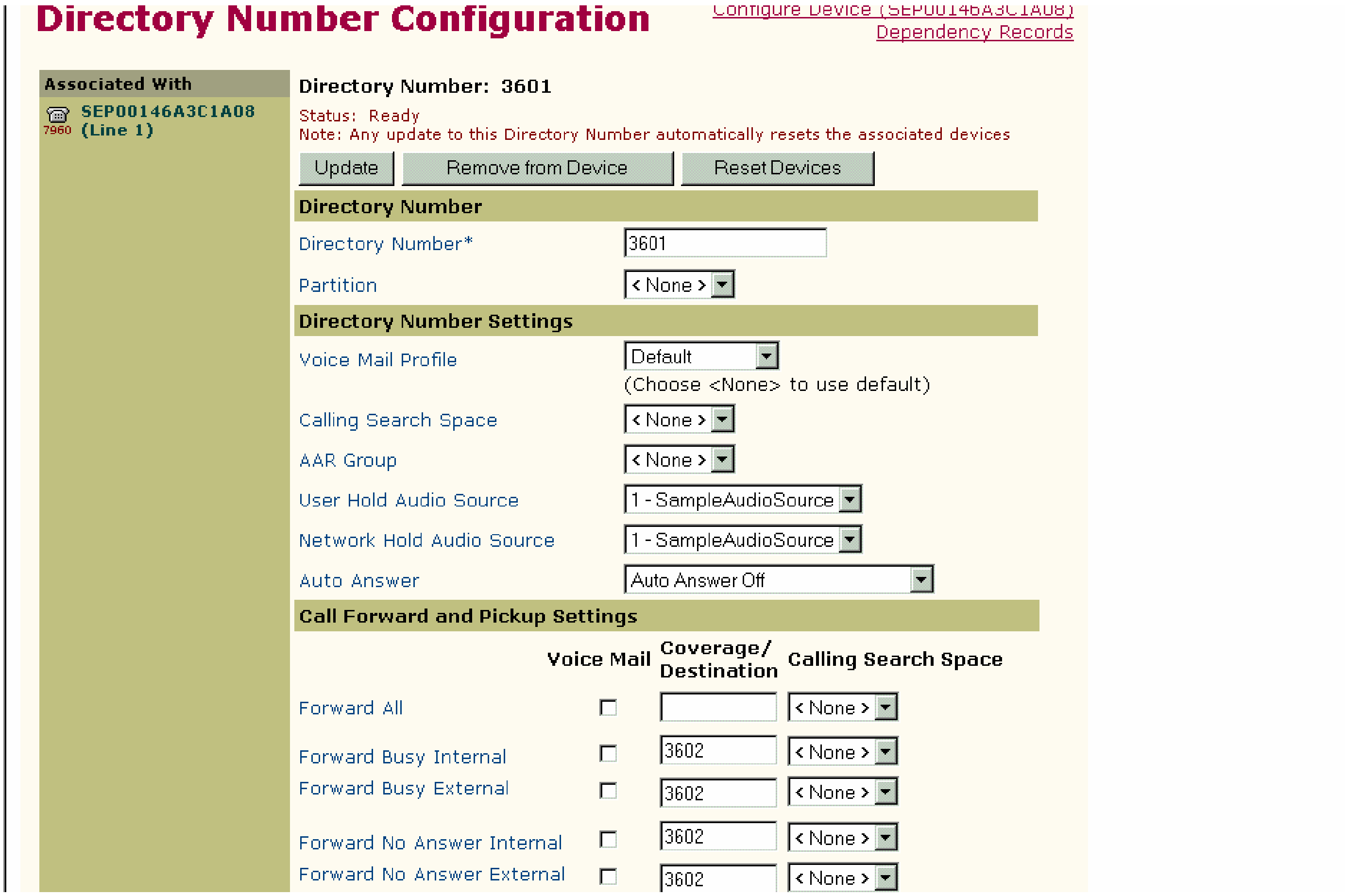


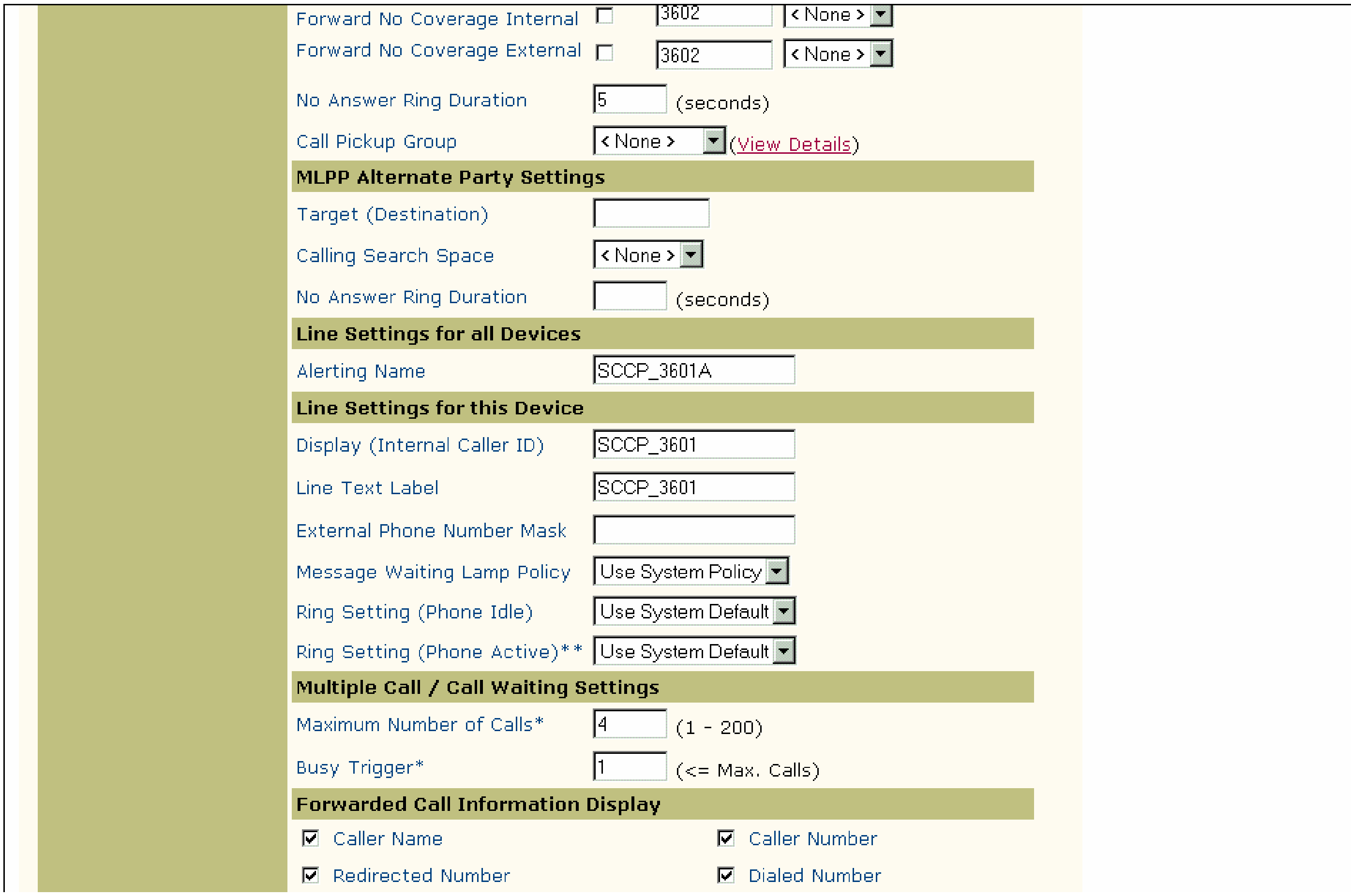


Require Forced Authorization Code
Authorization Level
0
Require Client Matter Code
Calling Party Transformations
Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation
Default
Calling Name Presentation
Default
Connected Party Transformations
Connected Line ID Presentation
Default
Connected Name Presentation
Default
Called Party Transformations
Discard Digits
< None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)
ISDN Network-Specific Facilities Information Element
Carrier Identification Code
Network Service Protocol
— Not Selected —
Network Service
Service Parameter Name
Service Parameter Value
— Not Selected —
< Not Exist >
* indicates required item.

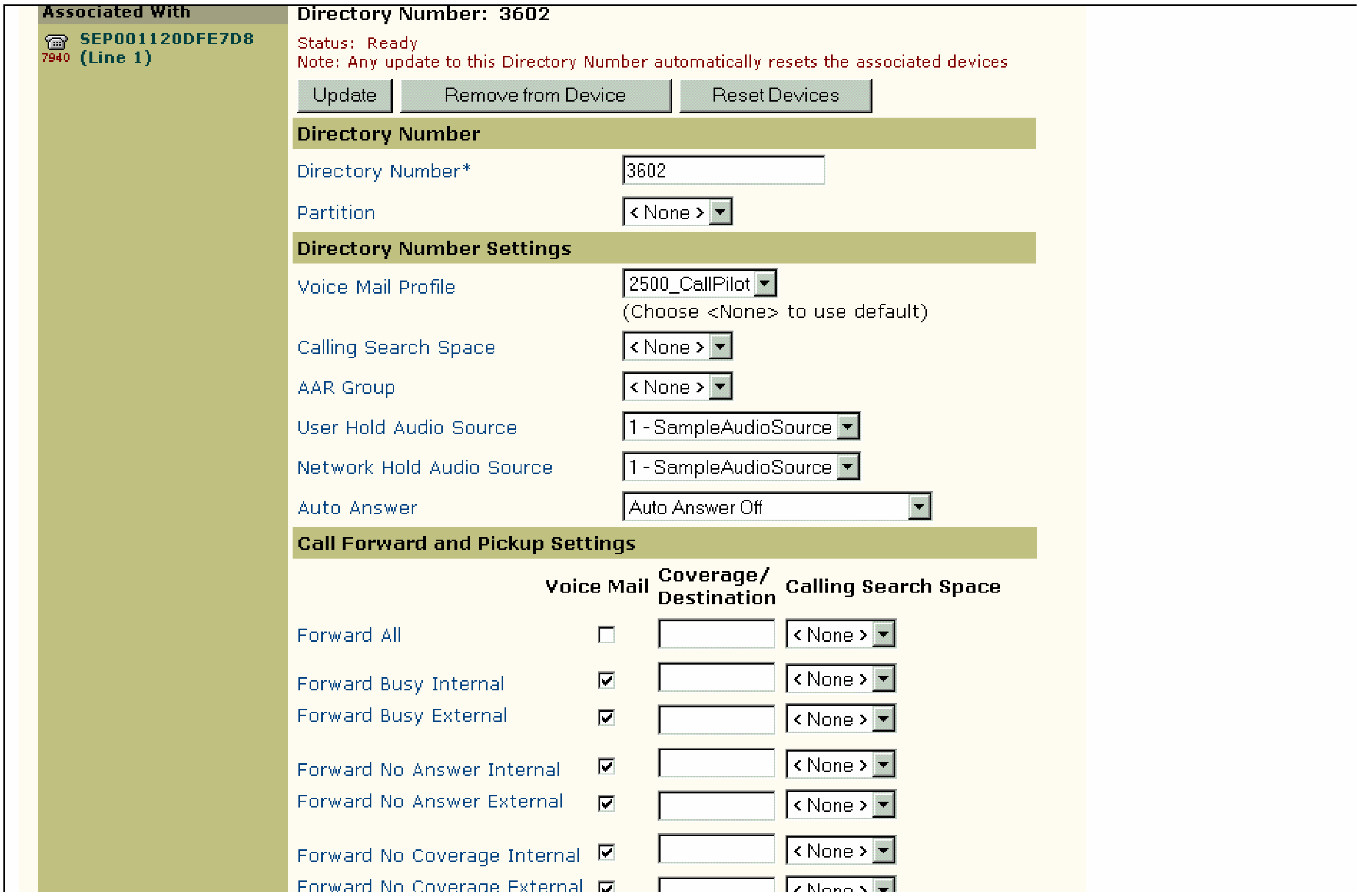
30. Configure Cisco 7960 and 7940 phones with 3601 and 3602 DN.

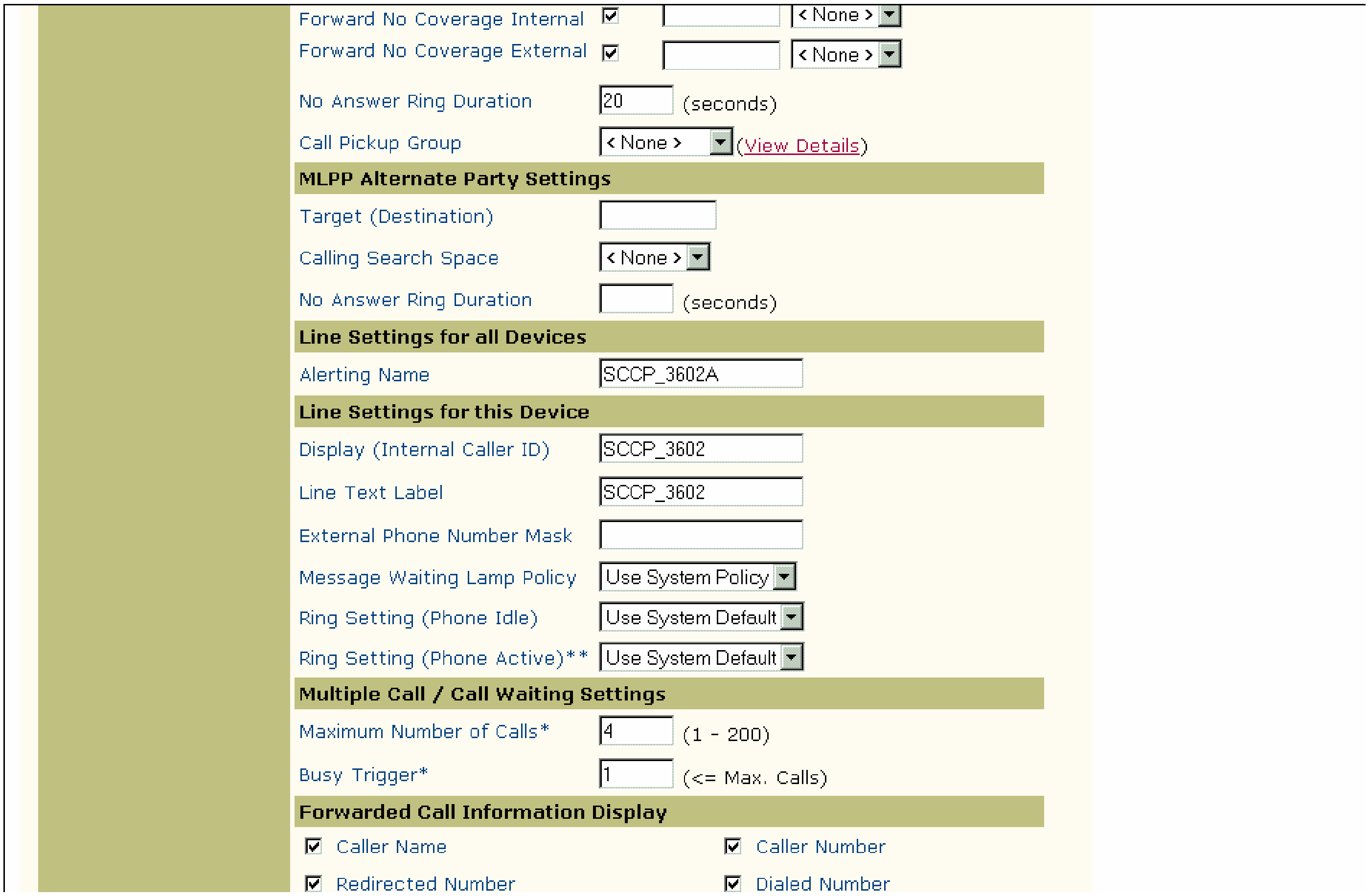
Cisco SCCP 7960 extension 3601:




Forward No Coverage Internal
3602
< None >
Forward No Coverage External
3602
< None >
No Answer Ring Duration
5
(seconds)
Call Pickup Group
< None >
(View Details)
MLPP Alternate Party Settings
Target (Destination)
Calling Search Space
< None >
No Answer Ring Duration
(seconds)
Line Settings for all Devices
Alerting Name
SCCP_3601A
Line Settings for this Device
Display (Internal Caller ID)
SCCP_3601
Line Text Label
SCCP_3601
External Phone Number Mask
Message Waiting Lamp Policy
Use System Policy
Ring Setting (Phone Idle)
Use System Default
Ring Setting (Phone Active)**
Use System Default
Multiple Call / Call Waiting Settings
Maximum Number of Calls*
4
(1 - 200)
Busy Trigger*
1
(<= Max. Calls)
Forwarded Call Information Display
Caller Name
Caller Number
Redirected Number
Dialed Number

Cisco SCCP 7940 extension 3602:




Forward No Coverage Internal
< None >
Forward No Coverage External
< None >
No Answer Ring Duration
20
(seconds)
Call Pickup Group
< None >
(View Details)
MLPP Alternate Party Settings
Target (Destination)
Calling Search Space
< None >
No Answer Ring Duration
(seconds)
Line Settings for all Devices
Alerting Name
SCCP_3602A
Line Settings for this Device
Display (Internal Caller ID)
SCCP_3602
Line Text Label
SCCP_3602
External Phone Number Mask
Message Waiting Lamp Policy
Use System Policy
Ring Setting (Phone Idle)
Use System Default
Ring Setting (Phone Active)**
Use System Default
Multiple Call / Call Waiting Settings
Maximum Number of Calls*
4
(1 - 200)
Busy Trigger*
1
(<= Max. Calls)
Forwarded Call Information Display
Caller Name
Caller Number
Redirected Number
Dialed Number

Acronyms

Acronym	Definitions
ANF-PR	Additional Network Feature Path Replacement
CCM	Cisco Unified CallManager
CCBS	Call Completion to Busy Subscriber
CCNR	Call Completion on No Reply
CFB	Call Forwarding on Busy
CFNR	Call Forwarding No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line (Number) Identification Presentation
CLIR	Calling Line (Number) Identification Restriction
CMM	Communication Media Module (CMM) is a Cisco Catalyst® 6500 Series and Cisco 7600 Series line card that provides flexible and high-density T1/E1 gateways
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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