Cisco Unified CallManager 5.0 and Cisco Emergency Responder 1.3 - PBX Interoperability: Nortel Succession PBX with Cisco 3845 T1 QSIG as an MGCP Gateway

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Table of Contents

Introduction ..................................................................................................................................................... 2
Network Topology .......................................................................................................................................... 3
Limitations ...................................................................................................................................................... 3
System Components ..................................................................................................................................... 3
   Hardware Requirements............................................................................................................................... 3
   Software Requirements............................................................................................................................... 3
Features .......................................................................................................................................................... 4
Configuration ................................................................................................................................................ 5
   Cisco Unified CallManager Configuration.................................................................................................. 5
   Cisco Emergency Responder Configuration............................................................................................... 5
   Nortel CS1000M with Succession 4.0 Software Release PBX Configuration.................................................. 61
Acronyms ...................................................................................................................................................... 67

Note: Cisco CallManager is now known as Cisco Unified CallManager in release 4.0 and later releases.
Introduction

The following is an Application Note for Interoperability of a Cisco Unified CallManager 5.0, Cisco Emergency Responder 1.3 and Cisco 3845 with CAMA interface and T1-QSIG trunk with a Nortel Succession PBX interconnected via VWIC-2MFT-T1.

Test emergency 911 call from a PBX digital station was routed to the T1 QSIG trunk, of the Cisco 3845 MGCP gateway, and was correctly associated to the appropriate Emergency Response Location. The call was connected through the Cisco 3845 CAMA trunk to the PSAP Emulator. The Emergency Response Location associated the ten digit DID call back number (ELIN) correctly and sent it to the PSAP, audio connection was also achieved. The PBX digital station was then disconnected.

A return call was originated from an incoming trunk (PSTN side) in the same Cisco Unified CallManager Partition. The number dialed was the DID digits of the 10 digit call back number sent to the PSAP on the previous 911 call (ELIN number). The call was routed through to the PBX digital station that had originated the E911 call. The call was disconnected and an alternate trunk was used to dial the same DID number and the call was routed through, again, to the PBX digital station that had originated the E911 call.

Test emergency 911 calls were made from each PBX digital station and Cisco IP phone. All calls were confirmed to select its associated Emergency Response Location and the associated 10 digit DID call back number. In each case, the call was disconnected and the call back number was confirmed to reach the phone that had originated the E911 call.

Emergency 911 calls made from a Nortel Succession PBX utilizing a T1 QSIG trunk configured as ISO, associates with the correct Emergency Response Location and routes to the associated PSAP with the correctly formatted 10 digit DID call back number.

The call back DID number routes the return call to the correct phone that had originated the E911 call from the PBX digital phone.

Figure 1 shows the test set-up for interoperability between the Cisco Unified CallManager and Cisco Emergency Responder connected to the PBX via a T1 QSIG trunk using Cisco3845 MGCP Gateway.
**Network Topology**

**Figure 1.** Network Topology or Test Setup

---

**Limitations**

Unique DID numbers must be used to associate with each Emergency Response Location to allow the return call if the 911 caller is disconnected.

Each available calling party that might dial 911 from the PBX side must have that calling party number configured in the Manually Configured Phones screen of the Cisco Emergency Responder.

---

**System Components**

**Hardware Requirements**

**Cisco Hardware**

- Cisco 3845 Gateway with NM-HD/VWIC-2MFT-T1 (QSIG trunk) and NM-HD-V2/VIC2-4FXO (CAMA trunk)
- Cisco Catalyst 6x00 switch
- Cisco Unified CallManager
- Cisco Emergency Responder
- Nortel Succession PBX

**Software Requirements**

- Cisco IOS Software releases “c3845-ipvoice-mz.123-14.T4”.
- PBX Software: Version 2121 Release 4.0
Cisco Unified CallManager 5.0 (1.51-346)
Cisco Emergency Responder 1.3 (0.105)

**Features**

Calling Number

- E911 ERL DID number passed to PSAP

- Incoming DID calling to disconnected 911 originating caller
Configuration

Cisco Unified CallManager Configuration

Partitions

Find and List Partitions - Microsoft Internet Explorer

Find and List Partitions

Cisco CallManager Administration

For Cisco IP Telecommunication Solutions

Logged in as: CCMAdministrator

Status

02 records found

Search Options

Find partition where Partition Name begins with

(name begins with any)

Search Results

Partition Name | Description
--- | ---
E911 | E911
Phones | Phones

Add New | Select All | Clear All | Delete Selected | Rows per Page 50
Phone Partition

Partition Configuration - Microsoft Internet Explorer

Navigation Cisco CallManager Administration

Status
Status: Ready

Partition Name
Phones

Description
Phones

Time Schedule
< None >

Time Zone
Originating Device
Specific Time Zone: Greenwich Standard Time

Save Delete Reset Add New

* - indicates required item.
### CSS Phones

**Calling Search Space Configuration - Microsoft Internet Explorer**

**CSS Phones**

**Calling Search Space Information**
- **Name**: PhonesCSS
- **Description**: PhonesCSS

**Route Partitions for this Calling Search Space**
- **Available Partitions**
  - E911

**Selected Partitions**
- **Phones**

- **Save** | **Delete** | **Copy** | **Add New**

* Indicates required item.
<table>
<thead>
<tr>
<th>Protocol Specific Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pseudo Capture Mode*</td>
<td>None</td>
</tr>
<tr>
<td>Pseudo Capture Duration</td>
<td>0</td>
</tr>
<tr>
<td>Presence Group*</td>
<td>Standard Presence group</td>
</tr>
<tr>
<td>SCCP Phone Security Profile*</td>
<td>Standard SCCP Profile for Auto Registration</td>
</tr>
<tr>
<td>SUBSCRIBE Calling Search Space</td>
<td>None</td>
</tr>
<tr>
<td>RFC2833 Dotted</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expansion Module Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Module 1 Load Name</td>
<td>None</td>
</tr>
<tr>
<td>Module 2 Load Name</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>External Data Location Information (Leave blank to use default)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Information</td>
<td></td>
</tr>
<tr>
<td>Directory</td>
<td></td>
</tr>
<tr>
<td>Messages</td>
<td></td>
</tr>
<tr>
<td>Services</td>
<td></td>
</tr>
<tr>
<td>Authentication Server</td>
<td></td>
</tr>
<tr>
<td>Proxy Server</td>
<td></td>
</tr>
<tr>
<td>Idle</td>
<td></td>
</tr>
<tr>
<td>(Idle Timer (seconds))</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extension Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable Extension Mobility</td>
<td></td>
</tr>
<tr>
<td>Log Out Profile</td>
<td></td>
</tr>
<tr>
<td>Login in User ID</td>
<td>None</td>
</tr>
<tr>
<td>Log in Time</td>
<td></td>
</tr>
<tr>
<td>Log Out Time</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certification Authority Proxy Function (CAPF) Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate Operation*</td>
<td>No Pending Operation</td>
</tr>
<tr>
<td>Certificate Authority String</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generate String</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation Completes By</td>
<td>06.16.12 (YYYY/MM/DD HH)</td>
</tr>
<tr>
<td>Certificate Operation Status</td>
<td>None</td>
</tr>
</tbody>
</table>
### Extension Information
- Enable Extension Mobility
- Login in User ID: None
- Login in Time: None
- Login out Time: None

### Certification Authority Proxy Function (CAPF) Information
- Certificate Operation: None
- Authentication String: No Peaking Operation
- Operation Completes By: MM-DD-YY HH:MI

### MLPP Information
- MLPP Domain: None
- MLPP Indication: Default
- MLPP Premption: Default

### Secure Shell Information
- Secure Shell User
- Secure Shell Password

### Product Specific Configuration
- 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
Directory Number Configuration - Microsoft Internet Explorer

Cisco CallManager Administration For Cisco IP Telecommunication Solutions

Directory Number Configuration

- Status
  Status: Ready

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

- Directory Number Information
  Directory Number: 4200
  Route Partition: Phones
  Description:
  Alerting Name:
  ASCII Alerting Name:
  Check Control of Device from CTI

- Associated Devices

- Edit Device
- Edit Line Appearance

<table>
<thead>
<tr>
<th>Device</th>
<th>SEP000A416B8539</th>
</tr>
</thead>
</table>

- Directory Number Settings
  Voice Mail Profile:
  Calling Search Space:
  Presence Group:
  AAR Group:
  User Hold Audio Source:
  Network Hold Audio Source:
  Auto Answer:

- Call Forward and Call Pickup Settings
  Forward All:
  Voice Mail Destination:
  Calling Search Space:

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Page 13 of 69
Directory Number Configuration -Microsoft Internet Explorer

- Call Forward and Call Pickup Settings
  Forward All
  Voice Mail Destination: <None>
  Calling Search Space: <None>

  Secondary Calling Search Space for Forward All: <None>

  Forward Busy Internal
  Forward Busy External
  Forward No Answer Internal
  Forward No Answer External
  Forward No Coverage Internal
  Forward No Coverage External
  Forward on CFI Failure
  No Answer Ring Duration (seconds): <None>

  Call Pickup Group: <None>

- MLPP Alternate Party Settings
  Target (Destination)
  MLPP Calling Search Space: <None>
  MLPP No Answer Ring Duration (seconds): <None>

- Line 1 on Device SEP000A416B0539
  Display (Internal Caller ID)
  ASCII Display (Internal Caller ID)
  Line Text Label
  ASCII Line Text Label
  External Phone Number Mask
  Message Waiting Lamp Policy:
  Ring Setting (Phone idle)
  Ring Setting (Phone Active):

  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.

  Rafa Marquez

- Multiple Call/Call Waiting Settings on Device SEP000A416B0539
  Note: The range to select the Max Number of Calls is 1-256
  Maximum Number of Calls:
  Busy Trigger:

  (Less than or equal to Max. Calls)

- Forwarded Call Information Display on Device SEP000A416B0539
  Caller Name

- Forwarded Call Information Display on Device SEP000A416B0539
  Caller Name
  Caller Number
  Redirected Number
  Dialed Number

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Page 14 of 69
CTI Route Points

Find and List CTI Route Points - Microsoft Internet Explorer

Find and List CTI Route Points

Status

Search Results

Search Options
CTI Route Point 911

### Status
- Status: Ready

#### Device Information
- Registered with Cisco CallManager CM-BARZA
- IP Address: 172.20.110.254
- Description: RP911
- Device Pool: Default
- Calling Search Space: 911CSS
- Location: Hub: None
- Media Resource Group List: < None >
- Network Hold MOH Audio Source: < None >
- User Hold MOH Audio Source: < None >

#### Association Information
- (line 1) 911 in Phones
- (line 2) Add a new DN

* indicates required item.
Cisco CallManager Administration

Directory Number Configuration

Status: Ready

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

Directory Number Information

Directory Number: 911
Route Partition: Phones
Description:
Alerting Name:
ASCII Alerting Name:

Associated Devices

Edit Device

Edit Line Appearance

Directory Number Settings

Voice Mail Profile: <None>
Calling Search Space: E911CSS
Presence Group*: Standard Presence Group
AAR Group: <None>
User Hold Audio Source: <None>
Network Hold Audio Source: <None>

Call Forward and Call Pickup Settings

Forward All: [ ] Forward or [ ] Call Pickup
Secondary Calling Search Space for Forward All: <None>

Calling Search Space: <None>
## CTI Route Point 913

### CTI Route Point Configuration - Microsoft Internet Explorer

**Navigation**
- Cisco CallManager Administration

**System**
- Call Routing
- Media Resources
- Voice Mail
- Device
- Application
- User Management
- bulk administration
- Help

**Status**
- Status: Ready

### Device Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>Registered with Cisco CallManager CM-BARZCA</td>
</tr>
<tr>
<td>IP Address</td>
<td>172.20.110.254</td>
</tr>
<tr>
<td>Device Name</td>
<td>RFELINE13</td>
</tr>
<tr>
<td>Device Pool</td>
<td>Default</td>
</tr>
<tr>
<td>Calling Search Space</td>
<td>EB1CSS</td>
</tr>
<tr>
<td>Location</td>
<td>Hub Name</td>
</tr>
<tr>
<td>User Locale</td>
<td>&lt; None &gt;</td>
</tr>
<tr>
<td>Media Resource Group List</td>
<td>&lt; None &gt;</td>
</tr>
<tr>
<td>Network Hold MOH Audio Source</td>
<td>&lt; None &gt;</td>
</tr>
<tr>
<td>User Hold MOH Audio Source</td>
<td>&lt; None &gt;</td>
</tr>
</tbody>
</table>

### Association Information

- **Line[1]**: $123 XXXXXXXXX in F911
- **Line[2]**: Add a new DN

**Save** | **Delete** | **Copy** | **Reset** | **Add New**

*Note: * indicates required item.*

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### Directory Number Information

- **Directory Number**: 913000000000
- **Route Partition**: E311
- **Description**:
- **Alerting Name**:
- **ASCII Alerting Name**: 

#### Associated Devices

- **RPEUM913**

#### Directory Number Settings

- **Voice Mail Profile**: <None>
- **Calling Search Space**: E911CSS
- **Presence Group**: Standard Presence group
- **AAR Group**: <None>
- **User Hold Audio Source**: <None>
- **Network Hold Audio Source**: <None>

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Page 20 of 69
Note: A Backup CER server was not used during testing therefore CTI route point for 912 was not created.
### CTI Port

**Phone Configuration - Microsoft Internet Explorer**

**Navigation** Cisco CallManager Administration

Logged in as: CCMAdministrator

**Phone Configuration**

**Status** - Status: Ready

**Association Information**
1. Line 111 - 4230 in Phones
2. Line 121 - Add a new DN

**Phone Type**
Category: CTI Port
Device Protocol: SCCP

**Device Information**
- **Registration**
  - IP Address: 172.23.0.59
  - Device Name: CERSec1

- **Device Pool**
  - Default

- **Common Phone Profile**
  - Standard Common Phone Profile

- **Calling Search Space**
  - PhonesC3S

- **AAR Calling Search Space**
  - < None >

- **Media Resource Group List**
  - < None >

- **User Hold Audio Source**
  - < None >

- **Network Hold Audio Source**
  - < None >

- **Location**
  - Hub_No

- **User Locale**
  - < None >

- **Network Locale**
  - < None >

- **Owner User ID**
  - < None >

- **Ignore Presentation Indicators (internal calls only)**

**Protocol Specific Information**
- **Presence Group**
  - Standard Presence group

- **SCCP Phone Security Profile**
  - Standard SCCP Profile for Auto Registration

- **SUBSCRIBE Calling Search Space**
  - < None >

- **Unattended Port**

**MLPP Information**
- **MLPP Domain**
  - < None >

---

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Directory Number Configuration

Status
Status: Ready

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

Directory Number Information
Directory Number: 4250
Route Partition: Phone
Description: 
Alerting Name: 
ASCII Alerting Name: 

Associated Devices
CERSec1

- Edit Device
- Edit Line Appearance

Directory Number Settings
Voice Mail Profile: <None>
Calling Search Space: <None>
Presence Group: Standard Presence group
AAR Group: <None>
User Hold Audio Source: <None>
Network Hold Audio Source: <None>

Call Forward and Call Pickup Settings
Forward All: 
Secondary Calling Search Space for Forward All: <None>
Calling Search Space: <None>
(Choose <None> to use system default)

Find
### Route Patterns for ELINs

**Find and List Route Patterns**

**Search Results**

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Description</th>
<th>Partition</th>
<th>Route Filter</th>
<th>Associated Device</th>
<th>Copy</th>
</tr>
</thead>
<tbody>
<tr>
<td>10911</td>
<td></td>
<td>E911</td>
<td></td>
<td>AALN/53/SU0/0@tony3945</td>
<td>![Copy Icon]</td>
</tr>
<tr>
<td>19911</td>
<td></td>
<td>E911</td>
<td></td>
<td>AALN/53/SU0/0@tony3945</td>
<td>![Copy Icon]</td>
</tr>
<tr>
<td>19911</td>
<td></td>
<td>E911</td>
<td></td>
<td>AALN/53/SU0/0@tony3945</td>
<td>![Copy Icon]</td>
</tr>
<tr>
<td>40XX</td>
<td></td>
<td></td>
<td></td>
<td>SU/SU0/081-0@tony3945</td>
<td>![Copy Icon]</td>
</tr>
</tbody>
</table>

- **Search Options**
  - Find Route Patterns where Pattern begins with
  - (numplan, dl, or pattern begins with any)

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### ISDN Network-Specific Facilities Information Element

<table>
<thead>
<tr>
<th>Network Service Protocol</th>
<th>-- Not Selected --</th>
<th>Service Parameter Name</th>
<th>Service Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Service Identification Code</td>
<td>-- Not Selected --</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Route Pattern 11911**

<table>
<thead>
<tr>
<th><strong>Pattern Definition</strong></th>
<th><strong>Route Pattern</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11911</td>
</tr>
<tr>
<td><strong>Route Partition</strong></td>
<td>E911</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Numbering Plan</strong></td>
<td>NANP</td>
</tr>
<tr>
<td><strong>Route Filter</strong></td>
<td>&lt; None &gt;</td>
</tr>
<tr>
<td><strong>PLPP Precedence</strong></td>
<td>Default</td>
</tr>
<tr>
<td><strong>Gateway/Route List</strong></td>
<td>ALIN/SYS1600@any3145 (Edit)</td>
</tr>
<tr>
<td><strong>Route Option</strong></td>
<td>Route this pattern</td>
</tr>
<tr>
<td><strong>Call Classification</strong></td>
<td>Default</td>
</tr>
</tbody>
</table>

- **Calling Party Transformations**
  - Use Calling Party's External Phone Number Mask
  - Calling Party Transform Mask: `109994201`
  - Prefix Digits (Outgoing Call): `#`
  - 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: `ProDot`
### Called Party Transformations

- **Discard Digits**: PreDot
- **Called Party Transform Mask**: (Field not filled)
- **Prefix Digits (Outgoing Calls)**: 4089994031

### ISDN Network-Specific Facilities Information Element

<table>
<thead>
<tr>
<th>Network Service Protocol</th>
<th>Service Parameter Name</th>
<th>Service Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>-- Not Selected --</td>
<td>&lt; Not Enter &gt;</td>
<td></td>
</tr>
</tbody>
</table>

- **Save**  |  **Delete**  |  **Copy**  |  **Add New**  

* indicates required item.
## Route Pattern 13911

### Route Pattern Configuration - Microsoft Internet Explorer

**Status**
- Status: Ready

**Pattern Definitions**
- Route Pattern: 13911
- Route Partition: S/1

**Description**

**Numbering Plan**
- Numbering Plan: NAP

**Route Filter**
- Route Filter: < Name >

**MLPP Precedence**
- MLPP Precedence: Default

**Gateway/Route List**
- Gateway/Route List: AAL.1(SI)0/130(Tony)0/17

**Route Option**
- Route Option: Route this pattern
- Route Option: Block this pattern
- Route Option: No Error

**Call Classification**
- Call Classification: OffNet
- Allow Device Override
- Provide Outside Dial Tone
- Allow Overlap Sending
- Allow Priority
- Require Forced Authorization Code
- Authorization Level: 0
- Require Client Matter Code

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

### Connected Party Transformations
- Connected Line ID Presentation: Default
- Connected Name Presentation: Default

### Called Party Transformations
- Discard Digits: PreDot
### Called Party Transformations

<table>
<thead>
<tr>
<th>Discard Digits</th>
<th>PreDat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Called Party Transform Mask</td>
<td></td>
</tr>
<tr>
<td>Prefix Digits (Outgoing Calls)</td>
<td>00000000</td>
</tr>
</tbody>
</table>

### ISDN Network-Specific Facilities Information Element

<table>
<thead>
<tr>
<th>Network Service Protocol</th>
<th>Service Parameter Name</th>
<th>Service Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>-- Not Selected --</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* * indicates required item.
Translation Pattern for ELINs

Status
Status: Ready

Pattern Definition
Translation Pattern: 4012939000X
Partition: E911
Description:
Numbering Plan: < None >
Route Filter: < None >
MLLP Precedence*: Default
Calling Search Space: E911CSS
Route Option: • Route this pattern
• Block this pattern
No Error
Provide Outside Dial Tone
Urgent Priority

Called Party Transformations
Use Called 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): 919

Save Delete Copy Add New
PSAP Gateway Configuration (CAMA Trunk)

Device Information:
- Product: Cisco MGCP FXO Port
- Gateway: tony3845
- Device Protocol: Analog Access
- Registration: Registered with Cisco CallManager CM-8602A
- IP Address: 172.20.0.26
- End-Point Name: AALN/S3/SU00@tony3845
- Description: AALN/S3/SU00@tony3845

Device Pool*: Default
Media Resource Group List: <None>
Calling Search Space: E911CSS
AAR Calling Search Space: <None>
Location*: Hub_None
AAR Group: <None>

Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information:
- MLPP Domain: <None>
- MLPP Indication: Not available on this device
- MLPP Preemption: Not available on this device

Port Information (Loop Start):
- Port Direction: Bothways
- Attendant DTM: 5000
- Unattended Port

Product Specific Configuration:
- Hookflash Timer (0-1550ms)*: 50
- Inter-digit Duration Timer (50-500 ms)*: 100
- Input Gain (-6.5 to 6 db)*: 0
- Output Attenuation (0.1 db)*: 3
- Echo Cancellation Enable*: Enable
- Echo Cancellation Coverage (ms)*: 8

* indicates required item.
** Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.
## Extension Mobility

### Available Profiles

<table>
<thead>
<tr>
<th>Profile Name</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Controlled Profiles

<table>
<thead>
<tr>
<th>Profile Name</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Default Profile
- Presence Group<br>Standard Presence Group<br>
- SubscribeCallingSearchSpace<br><None>
- Allow Control of Device from CTI

### Directory Number Associations

<table>
<thead>
<tr>
<th>Primary Extension</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;None&gt;</td>
<td></td>
</tr>
</tbody>
</table>

### CAPE Information

<table>
<thead>
<tr>
<th>Associated CAPE Profiles</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Permissions Information

#### Groups
- Standard CTI Allow Calling Number Modification
- Standard CTI Enabled

#### Roles
- Standard CTI Allow Calling Number Modification
- Standard CTI Enabled

[Save] [Delete] [Add Now]

* indicates required item.
### T1-QSIG Gateway

**Gateway Configuration - Microsoft Internet Explorer**

**Cisco CallManager Administration**  For Cisco IP Telecommunication Solutions

**Status**
- Status: Ready

**Device Information**
- **Product**: Cisco MGCP T1 Port
- **Gateway**: tony3845
- **Device Protocol**: Digital Access PRI
- **Registration**: Registered with Cisco CallManager CM-AARZA
- **IP Address**: 172.20.110.104
- **End-Point Name**: 90/SVO/G51-0@tony3845
- **Description**: SD/SVD/G51-0@tony3845
- **Device Pool**: Default
- **Call Classification**: Use System Default
- **Network/Locale**: <None>
- **Media Resource Group List**: <None>
- **Location**: Hub None
- **AAR Group**: <None>
- **Load Information**:
  - Transmit UTF-8 for Calling Party Name
  - V5SO (subset)

### Multilevel Precedence and Preemption (MLPP) Information
- **MLPP Domain**: <None>
- **MLPP Indication**: Off
- **MLPP Preemption**: Disabled

### Interface Information
- **PRI Protocol Type**: PRI ISO QSIG T1
- **Protocol Side**: Network
- **Channel Selection Order**: Top Down
- **Channel IE Type**: Timed Slot Number
- **PCM Type**: 7Low
- **Delay for first restart (1/8 sec ticks)**: 22

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Page 36 of 69
## Call Routing Information - Inbound Calls
- **Significant Digits**: All
- **Calling Search Space**: PhonesCSS
- **AAR Calling Search Space**: <None>
- **Prefix DN**: 

## Call Routing Information - Outbound Calls
- **Calling Party Presentation**: Default
- **Calling Party Selection**: Originator
- **Called party ISDN number type unknown**: Unknown
- **Calling party ISDN number type unknown**: Unknown
- **Called Numbering Plan**: Unknown
- **Calling Numbering Plan**: Unknown
- **Number of digits to strip**: 
- **Caller ID DN**: 
- **SMDI Base Port**: 

## PRI Protocol Type Specific Information
- **Display ISDN Delivery**: 
- **Redirecting Number ISDN Delivery - Outbound**: 
- **Redirecting Number ISDN Delivery - Inbound**: 
- **Send Extra Leading Character in Display IE**: 
- **Setup non-ISDN Progress Indicator IE Enable**: 
- **MCN 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
**Product Specific Configuration**

- **Line Coding**: B8ZS
- **Framing**: ESF
- **Clock**: External
- **Input Gain (dB)**: 0
- **Output Attenuation (dB)**: 0
- **Echo Cancellation Enable**: Enable
- **Echo Cancellation Coverage (ms)**: 0

---

- **Indicates required item.**
- **applies to DMS-100 protocol only.**
- **applies to DMS-100 protocol and DMS-250 protocol only.**
- **may be required to force ringback from some PEXs.**
- ** Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.**
Route Pattern to QSIG Trunk

Note: For detailed information regarding QSIG interoperability between CCM and Nortel Succession PBX go to:

SNMP service must be active

<table>
<thead>
<tr>
<th>Service Name</th>
<th>Status</th>
<th>Activation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco Serviceability Reporter</td>
<td>Started</td>
<td>Activated</td>
</tr>
<tr>
<td>Cisco CallManager SNMP Service</td>
<td>Started</td>
<td>Activated</td>
</tr>
</tbody>
</table>
### Cisco CallManager Details

<table>
<thead>
<tr>
<th>Cisco CallManagers</th>
<th>Status: Please enter any change for the current Cisco CallManager</th>
</tr>
</thead>
<tbody>
<tr>
<td>172.20.110.254</td>
<td></td>
</tr>
</tbody>
</table>

### Modify Cisco CallManager

<table>
<thead>
<tr>
<th>Cisco CallManager</th>
<th>172.20.110.254</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTI Manager</td>
<td>172.20.110.254</td>
</tr>
<tr>
<td>CTI Manager User Name</td>
<td>certest</td>
</tr>
<tr>
<td>CTI Manager Password</td>
<td>*********</td>
</tr>
<tr>
<td>BackUp CTI Manager 1</td>
<td></td>
</tr>
<tr>
<td>BackUp CTI Manager 2</td>
<td></td>
</tr>
<tr>
<td>Telephony Port Begin Address</td>
<td>4250</td>
</tr>
<tr>
<td>Number of Telephony Ports</td>
<td>2</td>
</tr>
</tbody>
</table>

* Indicates required item
Cisco Emergency Responder Server Group

Cisco ER Group Settings

Specify the values for the configuration attributes and then press Update settings

Status: Ready

Cisco ER Group Name *
Peer TCP Port *
Heart beat Count *
Heart beat Interval (in sec) *
Active Cell Time out (in min) *
SMTP Mail Server
SOURCE Mail ID (mandatory if SMTP Server configured)
System Administrator Mail ID
Calling Party Modification
SysLog
SysLog Server (mandatory if SysLog enabled) (eg:logserver.cisco.com)
Notes

* indicates required item

Update Settings  Cancel Changes
Telephony Settings

Specify the values for the configuration attributes and then press Update settings.

- **Status:** Ready
- **UDP Port Begin:** 32000
- **Inter Cisco ER Group Route Pattern:**
- **PSAP Callback Route Point Pattern:** 913
- **ELIN Digit Strip Pattern:** 913
- **Route Point for Primary Cisco ER Server:** 911
- **Route Point for Standby Cisco ER Server:** 912

* indicates required item

[Update Settings] [Cancel Changes]
Server Settings

modify server settings

server name: publisher

host name: CER-P

depend package list

trace package list

* indicates required item
ERLs List

Find and List ERLs

Find Details of ERLs Where

Find

To list all items, click Find without entering any search text.

Configure Default ERL
Add New ERL

Status : Deleted successfully.

Matching Records 1 to 4 of 4

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Route/Translation Pattern</th>
<th>ELIN</th>
<th>Onsite Alert Ids.</th>
<th>Street Name</th>
<th>Community Name</th>
<th>State</th>
<th>Copy</th>
<th>Delete</th>
<th>Audit Trail</th>
<th>View</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default</td>
<td>100911--4C00</td>
<td></td>
<td></td>
<td>Tasman</td>
<td>cisco</td>
<td>ca</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test1</td>
<td>10911--4059994...</td>
<td></td>
<td></td>
<td>Tasman</td>
<td>Big Sky</td>
<td>TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test2</td>
<td>11911--4059994...</td>
<td></td>
<td></td>
<td>Tasman</td>
<td>Big Sky</td>
<td>TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test3</td>
<td>13911--4059994...</td>
<td></td>
<td></td>
<td>Tasman</td>
<td>Big Sky</td>
<td>TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

First | Previous | Next | Last

Configure Default ERL
Add New ERL
ERL Information for Test1

* indicates required item

Help for this screen

ERL Name * Test1

Notes

Test ERL (Select if this ERL is used for Synthetic Testing)

ELIN Settings

Route/Translation pattern

Add

Update

Remove

10911

ELIN

4089934200

Onsite Alert Settings

Available Onsite Alert IDs

Onsite Alert IDs for the ERL

ERL Address

Update Copy Cancel Changes Close
ERL Information for Test3

* indicates required item

ERL Name * Test3

Notes

Test ERL (Select if this ERL is used for Synthetic Testing)

ELIN Settings

Route/Translation pattern

Add

Update

Remove

13911–4039964203

Onsite Alert Settings

Available Onsite Alert IDs

Onsite Alert IDs for the ERL

ERL Address

ALL Details

Update Copy Cancel Changes Close
SNMP Settings

- Entries can be added in any order.
- IP Address can consist of a wildcard "*" or range of values like 20:30 or an exact number.
- Entry that is the closest match will be used for a given switch or Cisco CallManager.
- If no match is found, public will be used as the default Read Community string.
- Some valid IP examples: 192.168.4.5, 192.168.30-60.*, *.*.*.

Status: Please enter any change for the current SNMP Setting

<table>
<thead>
<tr>
<th>Modify SNMP Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address/Host Name</td>
</tr>
<tr>
<td>172.20.8.20</td>
</tr>
</tbody>
</table>

Click on a record to view or modify

<table>
<thead>
<tr>
<th>IP Address/Host Name</th>
<th>Timeout (in sec)</th>
<th>Retries</th>
<th>Read Community</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>172.20.8.20</td>
<td>10</td>
<td>2</td>
<td>public</td>
<td></td>
</tr>
</tbody>
</table>
LAN Switch Details

LAN Switches
- Export
- Import
- 172.20.8.20

Switch Host Name / IP Address *
- 172.20.8.20

Notes

- Enable CAM based Phone Tracking

* indicates required item

Modify LAN Switch
- New
- Update
- Delete
- Cancel Changes
- Locate Switch-Ports
### Switch Port Details

#### LAN Switch Details

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>4200</th>
<th>172.20.110.252</th>
<th>Cisco 7960</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test1</td>
<td>172.20.8.20</td>
<td>3/29</td>
<td>View</td>
<td>4200</td>
<td>172.20.110.253</td>
</tr>
<tr>
<td>Test2</td>
<td>172.20.8.20</td>
<td>3/30</td>
<td>View</td>
<td>4200</td>
<td>172.20.110.253</td>
</tr>
<tr>
<td>Test3</td>
<td>172.20.8.20</td>
<td>3/31</td>
<td>View</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>3/25</th>
<th>172.20.8.20</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>3/24</th>
<th>172.20.8.20</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>3/26</th>
<th>172.20.8.20</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>3/27</th>
<th>172.20.8.20</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERL Name</th>
<th>Contains</th>
<th>View</th>
<th>3/28</th>
<th>172.20.8.20</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Defining Manual Phones (PBX Stations)

Find and List Manually Configured Phones

Find phones where extension contains and show 20 items per page

To list all items, click Find without entering any search text.

List Manually Configured Phones

Status: Ready

Matching record(s) 1 to 2 of 2

<table>
<thead>
<tr>
<th>Line Number</th>
<th>ERL Name</th>
<th>IP Address</th>
<th>MAC Address</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>4059</td>
<td>Test2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4060</td>
<td>Test1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

First Previous Next Last  Page 1 of 1
Add/Modify Phones

Status: Please enter any change for the current Manual Phone

Modify Phones

<table>
<thead>
<tr>
<th>New</th>
<th>Update</th>
<th>Cancel Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Number *</td>
<td>4060</td>
<td></td>
</tr>
<tr>
<td>Phone Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAC Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERL Name *</td>
<td>Test1</td>
<td>Test1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* indicates required item
Cisco 3845 Cisco IOS Gateway Configuration

Router3845# show running-config
Building configuration...

Current configuration : 3087 bytes
!
Version 12.3
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname Router3845
boot-start-marker
boot system flash:c3845-ipvoice-mz.123-14.T4.bin
boot-end-marker

enable password cisco

no aaa new-model

resource policy

no network-clock-participate slot 3
no network-clock-participate slot 4
network-clock-participate wic 0
voice-card 0
no dspfarm

voice-card 3
no dspfarm

voice-card 4
dspfarm

ip subnet-zero
ip cef

no ip dhcp use vrf connected

ip host CM-GUANATOS 172.20.8.254
ip host CM-BARZA 172.20.110.254
no ftp-server write-enable
isdn switch-type primary-4ess

controller T1 0/0/0
framing esf
linecode b8zs
  pri-group timeslots 1-24 service mgcp

! controller T1 0/0/1
  framing esf
  linecode b8zs
! controller E1 4/0/0
  shutdown
  pri-group timeslots 1-31 service mgcp
! controller E1 4/0/1
!
!
interface GigabitEthernet0/0
  ip address 172.20.8.26 255.255.255.0
duplex half
  speed 100
  media-type rj45
  negotiation auto
!
interface GigabitEthernet0/1
  ip address 172.20.110.104 255.255.255.0
  shutdown
duplex auto
  speed auto
  media-type rj45
  negotiation auto
!
interface Serial0/0/0:23
  no ip address
  isdn switch-type primary-qsig
  isdn protocol-emulate network
  isdn incoming-voice voice
  isdn T310 120000
  isdn bind-i3 ccm-manager
  no cdp enable
!
interface Serial4/0/0:15
  no ip address
  shutdown
  isdn switch-type primary-qsig
  isdn incoming-voice voice
  isdn bind-i3 ccm-manager
  no cdp enable
!
  ip default-gateway 172.20.8.1
  ip classless
  ip route 0.0.0.0 0.0.0.0 172.20.8.1
ip http server
!
!
!
control-plane
!
!
voice-port 0/0/0:23
!
voice-port 3/0/0
signal cama KP-NPD-NXX-XXXX-ST
dial-type mf
timing hookflash-out 500
!
voice-port 3/0/1
dial-type mf
timing hookflash-out 500
!
voice-port 3/0/2
dial-type mf
timing hookflash-out 500
!
voice-port 3/0/3
dial-type mf
timing hookflash-out 500
!
voice-port 3/1/0
!
voice-port 3/1/1
!
voice-port 4/0/0:15
!
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server CM-GUANATOS
ccm-manager config
!
mgcp
mgcp call-agent CM-GUANATOS 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 999300 pots
 service mgcpapp
 port 3/0/0
!
dial-peer voice 999301 pots
 service mgcpapp
 port 3/0/1
!
dial-peer voice 999310 pots
 service mgcpapp
 port 3/1/0
!
dial-peer voice 999311 pots
 service mgcpapp
 port 3/1/1
!
dial-peer voice 999302 pots
 service mgcpapp
 port 3/0/2
!
dial-peer voice 999303 pots
 service mgcpapp
 port 3/0/3
!
!
line con 0
 password cisco
 stopbits 1
 line aux 0
 stopbits 1
 line vty 0 4
 password cisco
 login
!
scheduler allocate 20000 1000
!
End

Router3845#sh ver
Cisco IOS Software, 3800 Software (C3845-IPVOICE-M), Version 12.3(14)T4, RELEASE SOFTWARE (fc2)
Router3845 uptime is 1 week, 2 days, 5 hours, 15 minutes
System returned to ROM by power-on
System image file is "flash:c3845-ipvoice-mz.123-14.T4.bin"

Cisco 3845 (revision 1.0) with 485376K/38912K bytes of memory.
Processor board ID FTX0933A1JA
2 Gigabit Ethernet interfaces
55 Serial interfaces
2 Channelized E1/PRI ports
2 Channelized T1/PRI ports
4 Voice FXO interfaces
2 Voice FXS interfaces
DRAM configuration is 64 bits wide with parity enabled.
479K bytes of NVRAM.
125184K bytes of ATA System CompactFlash (Read/Write)

Configuration register is 0x2102

Router3845#

Router3845# show voice port 3/0/0

Foreign Exchange Office 3/0/0 Slot is 3, Sub-unit is 0, Port is 0
Type of VoicePort is FXO
Operation State is DORMANT
Administrative State is UP
The Last Interface Down Failure Cause is Administrative Shutdown
Description is not set
Noise Regeneration is enabled
Non Linear Processing is enabled
Non Linear Mute is disabled
Non Linear Threshold is -21 dB
Music On Hold Threshold is Set to -38 dBm
In Gain is Set to 0 dB
Out Attenuation is Set to 3 dB
Echo Cancellation is enabled
Echo Cancellation NLP mute is disabled
Echo Cancellation NLP threshold is -21 dB
Echo Cancel Coverage is set to 64 ms
Echo Cancel worst case ERL is set to 6 dB
Playout-delay Mode is set to adaptive
Playout-delay Nominal is set to 60 ms
Playout-delay Maximum is set to 250 ms
Playout-delay Minimum mode is set to default, value 40 ms
Playout-delay Fax is set to 300 ms
Connection Mode is normal
Connection Number is not set
Initial Time Out is set to 10 s
Interdigit Time Out is set to 10 s
Call Disconnect Time Out is set to 60 s
Ringing Time Out is set to 180 s
Wait Release Time Out is set to 30 s
Companding Type is u-law
Region Tone is set for US

Analog Info Follows:
Currently processing none
Maintenance Mode Set to None (not in mtc mode)
Number of signaling protocol errors are 8
Impedance is set to 600r Ohm
Station name None, Station number None
Translation profile (Incoming):
Translation profile (Outgoing):

Voice card specific Info Follows:
Signal Type is cama
Cama Type is KP-NPD-NXX-XXXX-ST
NPD to NPA mapping is :

<table>
<thead>
<tr>
<th>NPD</th>
<th>NPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>
Battery-Reversal is enabled
Number Of Rings is set to 1
Supervisory Disconnect is signal
Answer Supervision is inactive
Hook Status is On Hook
Ring Detect Status is inactive
Ring Ground Status is inactive
Tip Ground Status is inactive
Dial Out Type is mf
Digit Duration Timing is set to 100 ms
InterDigit Duration Timing is set to 100 ms
Pulse Rate Timing is set to 10 pulses/second
InterDigit Pulse Duration Timing is set to 750 ms
Percent Break of Pulse is 60 percent
GuardOut timer is 2000 ms
Minimum ring duration timer is 125 ms
Hookflash-in Timing is set to 600 ms
Hookflash-out Timing is set to 500 ms
Supervisory Disconnect Timing is set to 350 ms
Router3845#

Cisco Catalyst 6x00 Configuration
Console> (enable) show snmp
SNMP: Enabled
RMON: Disabled
Extended RMON Netflow Enabled: None.
Memory usage limit for new RMON entries: 85 percent
EngineId: 00:00:00:09:00:01:97:31:c8:00:00:00
Chassis Alias:
Traps Enabled: None
Port Traps Enabled: None

Community-Access Community-String
--------------- ---------------------
read-only public
read-write private
read-write-all secret

Additional- Access-
Community-String Access-Type Number View
---------------- ------------- ------- -----------------------------------
Trap-Rec-Address Trap-Rec-Community Trap-Rec-Port Trap-Rec-Owner Trap-Rec-Index
--------------- ------------------ ------------- -------------- ----------------------

Console> (enable) show cdp
CDP : enabled
Message Interval : 60
Hold Time : 180
Version : V2
Device Id Format : Other
Console> (enable)

set interface sc0 109 172.20.8.20/255.255.255.0 172.20.8.255
Nortel CS1000M with Succession 4.0 Software Release PBX Configuration

Common Equipment

REQ prt
TYPE cequ

CEQU
MPED BD
SUPL 000 006 008 012
016 032 036 040
044 048 064 068
072 096 100
TDS 000
CONF 029 030 031 062
094 095

DLOP NUM DCH FRM TMDI LCMT YALM T1E TRSH
PRI 02 24 ESF NO B8S FDL - 00
06 23 ESF NO B8S FDL - 00
PRI2 04 05 07
DTI2
MISP

Configure D-Channel

REQ prt
TYPE adan dch 4

ADAN DCH 4
CTYP MSDL
CARD 04
PORT 1
DES toJupiter
USR PRI
DCHL 4
OTBF 32
PARM RS422 DTE
DRAT 64KC
CLK EXT
IFC ISGF
PINX_CUST 0
ISDN_MCNT 300
CLID OPT0
CO_TYPE STD
SIDE USR
CNEG 2
RLS ID 4
QCHID YES
RCAP COLP NDI CCBI CCNI PRI DV3I CTI QMWI
PR_TRIGS DIV 2 3
CON 0 1
CTRL 2 3
MBGA NO
OVLR NO
Configure Route Data Block

REQ: prt

TYPE: rdb

CUST 0

ROUT 104

TYPE RDB
CUST 00
DMOD
ROUT 104
DES TOJUPITER
TKTP TIE
NPID_TBL_NUM 0
ESN NO
CNVT NO
SAT NO
RCLS EXT
VTRK NO
NODE
DTRK YES
BRIP NO
DGTP PR12
ISDN YES
MODE PRA
IFC ISGF
SBN NO
PNI 000001
NCNA NO
NCRD NO
CTYP UKWN
INAC NO
ISAR NO
CPPXS YES
DAFC NO
INTC NO
DSEL VOD
PTYP DTT
AUTO NO
DNIS NO
DCOR NO
ICOG IAO
SRCH LIN
TRMB YES
STEP
ACOD 204
TCPF NO
TARG 01
CLEN 1
BILN NO
OABS
INST
Configure Trunk

REQ: prt

TYPE: tnb

TN  4  1

DATE

PAGE

DES

DES  TOJUPITER
TN  004  01
TYPE TIE
CDEN SD
CUST 0
TRK PRI2
FDCA 1
PCML A
NCOS 0
RTMB 104 1
B-CHANNEL SIGNALING
TGAR 1
AST NO
IAPG 0
CLS UNR DTN WTA LPR APN THFD
P10 VNL

Software Release

>LD 22
PT2000
MARP NOT ACTIVATED
ld 22
PT2000
REQ iss
CALL SERVER/MAIN CAB
VERSION 2121
RELEASE 4
ISSUE 00 T +
IDLE_SET_DISPLAY NORTEL
REQ ****
>

Software Package Installed (Succession 4.0)

OPTF                  1
CUST                  2
CDR                   4
CTY                   5
RAN                   7
TAD                   8
DNDI                  9
EES                   10
INTR                  11
ANI                   12
ANIR                  13
BRTE                  14
DNDG                  16
MSB                   17
S525                  18
DSSP                  19
ODAS                  20
DI                    21
CHG                   23
CAB                   24
BAUT                  25
CASM                  26
CASR                  27
BQUE                  28
NTRF                  29
NCOS                  32
<p>| CPRK  | 33 |
| SSC   | 34 |
| IMS   | 35 |
| UST   | 35 |
| UMG   | 35 |
| ROA   | 36 |
| NSIG  | 37 |
| MCBQ  | 38 |
| NSC   | 39 |
| BACD  | 40 |
| ACDB  | 41 |
| ACDC  | 42 |
| LMAN  | 43 |
| MUS   | 44 |
| ACDA  | 45 |
| MWC   | 46 |
| AAB   | 47 |
| GHP   | 48 |
| NFCR  | 49 |
| LNK   | 51 |
| FCA   | 52 |
| SR    | 53 |
| AA    | 54 |
| HIST  | 55 |
| AOP   | 56 |
| BARS  | 57 |
| NARS  | 58 |
| CDP   | 59 |
| PQUE  | 60 |
| FCBQ  | 61 |
| OHQ   | 62 |
| NAUT  | 63 |
| SNR   | 64 |
| NXFR  | 67 |
| HOT   | 70 |
| DHLN  | 71 |
| LSEL  | 72 |
| SSS   | 73 |
| DRNG  | 74 |
| PBXI  | 75 |
| DLDN  | 76 |
| CSL   | 77 |
| COD   | 79 |
| SCI   | 80 |
| CCOS  | 81 |
| CDRQ  | 83 |
| TENS  | 86 |
| FTDS  | 87 |
| DSET  | 88 |
| TSET  | 89 |
| LNR   | 90 |
| DLT2  | 91 |
| FXTL  | 92 |
| SUPV  | 93 |
| CPND  | 95 |
| DNIS  | 98 |
| BGD   | 99 |
| RMS   | 100 |
| MR    | 101 |
| AWU   | 102 |
| FMSI  | 103 |
| LLC   | 105 |
| MCT   | 107 |
| ICDR  | 108 |
| APL   | 109 |
| TVS   | 110 |
| TOF   | 111 |</p>
<table>
<thead>
<tr>
<th>Code</th>
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<td>222</td>
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<td>223</td>
</tr>
</tbody>
</table>
SSAU                  229
BRIT                  233
FCDR                  234
BRIL                  235
MCMO                  240
MULTI_USER            242
ALRM_FILTER           243
SYS_MSG_LKUP          245
VMBA                  246
CALL_ID               247
DPNA                  250
SCDR                  251
ARFW                  253
PHTN                  254
ADMINSET              256
ATX                   258
CDRX                  259
QSIG                  263
NI-2                  291
IPEX                  295
MAT                   296
CPP                   301
QSIGGF                305
CFPRKNET              306
PAGENET               307
CPCI                  310
TATO                  312
OPEN_ALARM            315
QSIG-SS               316
NGEN                  324
RANBRD                327
MUSBRD                328
ESA                   329
ESA_SUPP              330
ESA_CLMP              331
CNUMB                 332
CNAME                 333
NI-2_CBC              334
MEET                  348
MC32                  350
DBA                   351
FDID                  362
NMCE                  364
STS_MSG               380
CDIR                  381
VIRTUAL_OFFICE        382
ATAN                  384
N12NAME               385
M3900_PROD_ENH        386
VIR_OFF_ENH           387
OAS                   394
ICON                  397
PCA                   398
H323_VTRK             399
LOCX                  400
FVQM                  401
SIP                   406

REQ

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definitions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMA</td>
<td>Analog &quot;Centralized Automatic Message Accounting&quot; E911 Trunk</td>
</tr>
<tr>
<td>Acronym</td>
<td>Definitions</td>
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</table>

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