Application Note

Lucent/Avaya Definity G3si V7 PBX with CallManager using the Cisco 6608-E1 PRI EURO Gateway

This application note discusses the integration of the Lucent/Avaya Definity G3si V7 PBX with CallManager using the Cisco 6608-E1 PRI EURO Gateway.

Integration Description

Connectivity is achieved by using the ETSI standard PRI protocol. The Lucent/Avaya Definity G3si can be configured as either the NETWORK or USER side. The figure below shows the general network layout for the integration.

Features

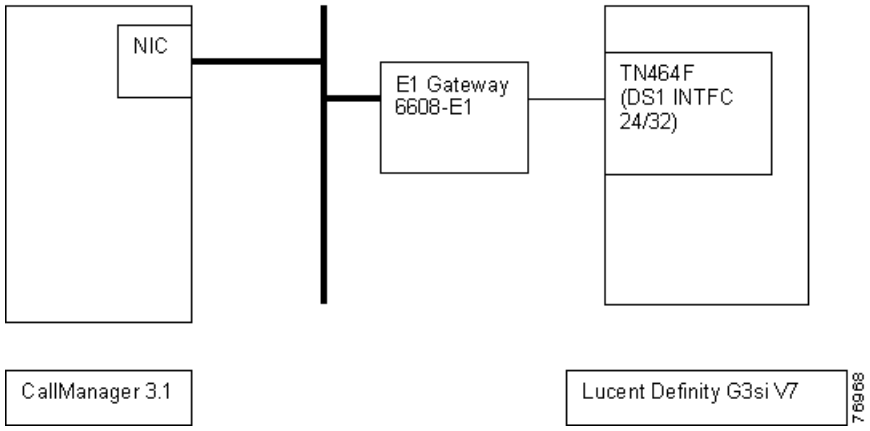
Key features supported:

- Calling/Called Number
- Calling/Called Name

Key features not supported:

- N/A

Network Layout



Cisco Systems Equipment Needed

- Hardware (Gateway): Cisco 6608 E1 Port
- Software: CallManager Release 3.1(0.212)

PBX Requirements

- Hardware: TN464F, DS1 INTFC 24/32
- Software: Version V7

Configuring the Lucent/Avaya Definity G3si PBX

To configure the Lucent/Avaya Definity G3si PBX, do the following:

Step 1. Add the new circuit pack.

Step 2. Add the new signaling group.

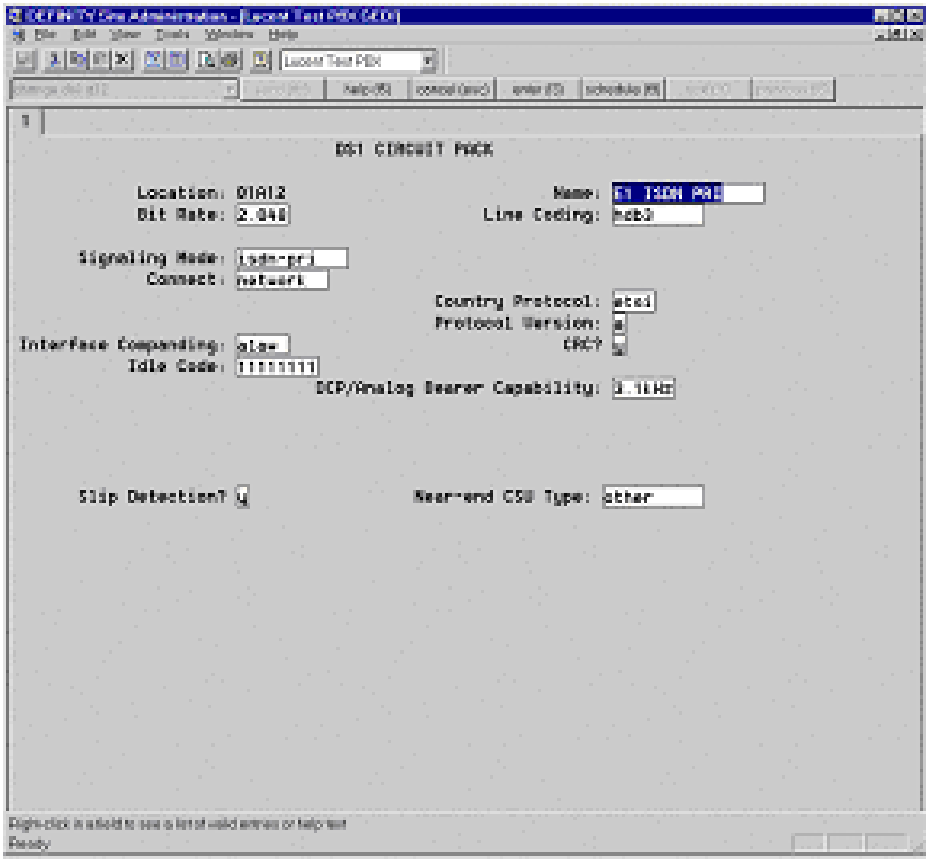
Step 3. Add the new trunk group.

Step 4. Add the Uniform Dialing Plan.

Circuit Pack

The following figures show the configuration of the DS1 circuit pack.

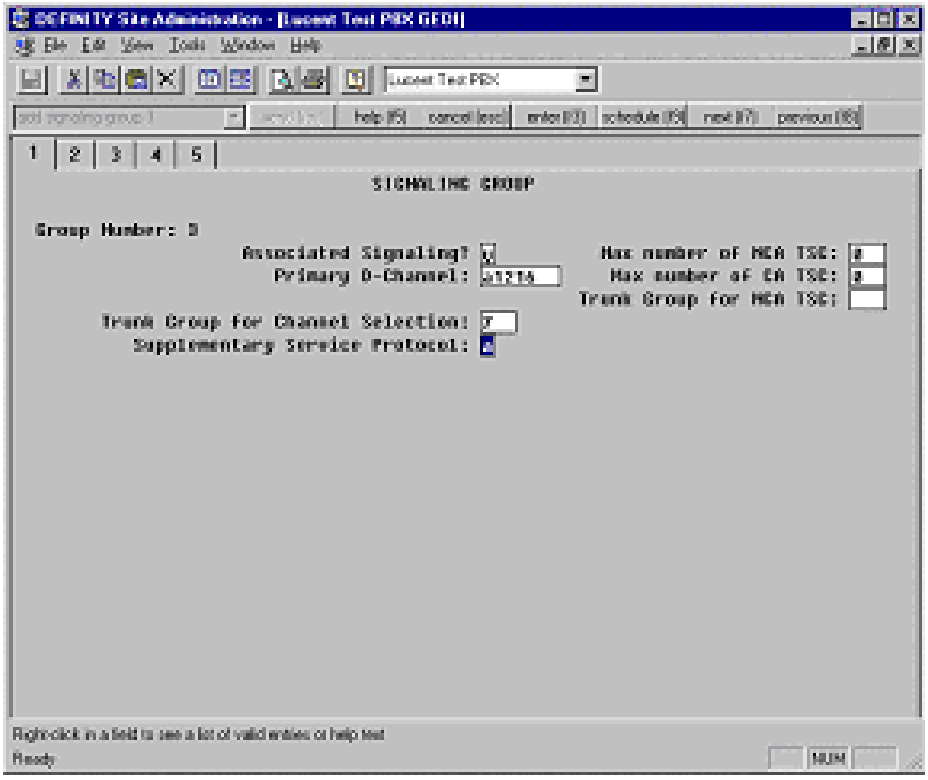
DS1 Circuit Pack



Signaling Group

The following figure shows the configuration of the signaling group.

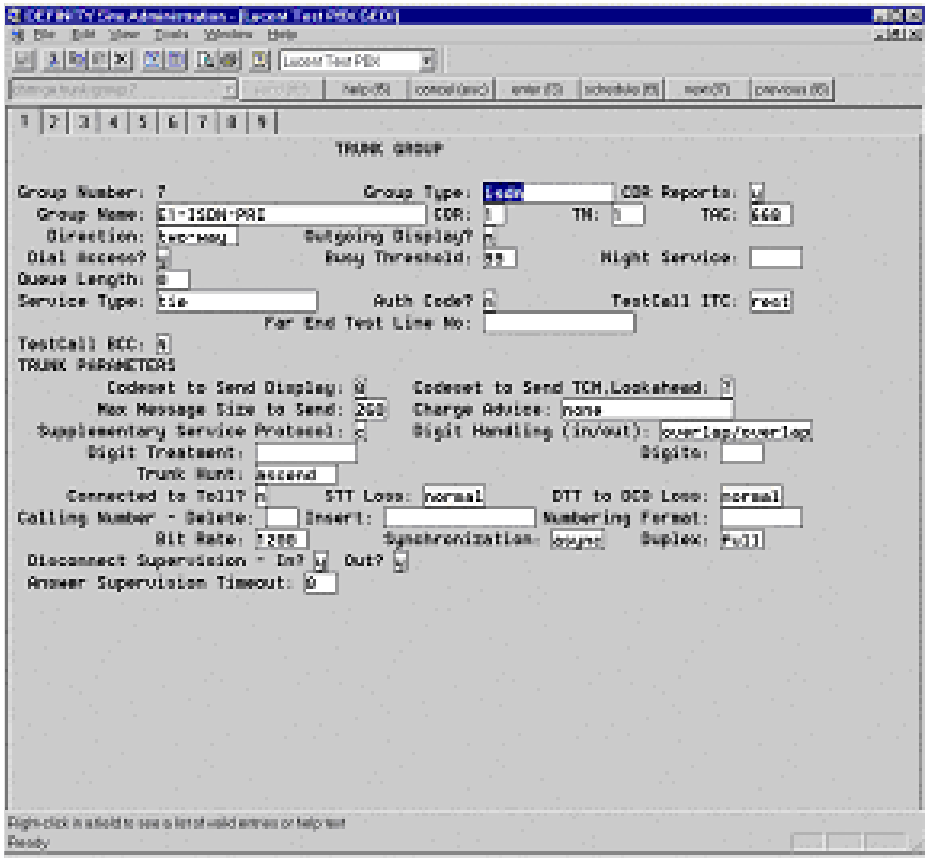
Signaling Group



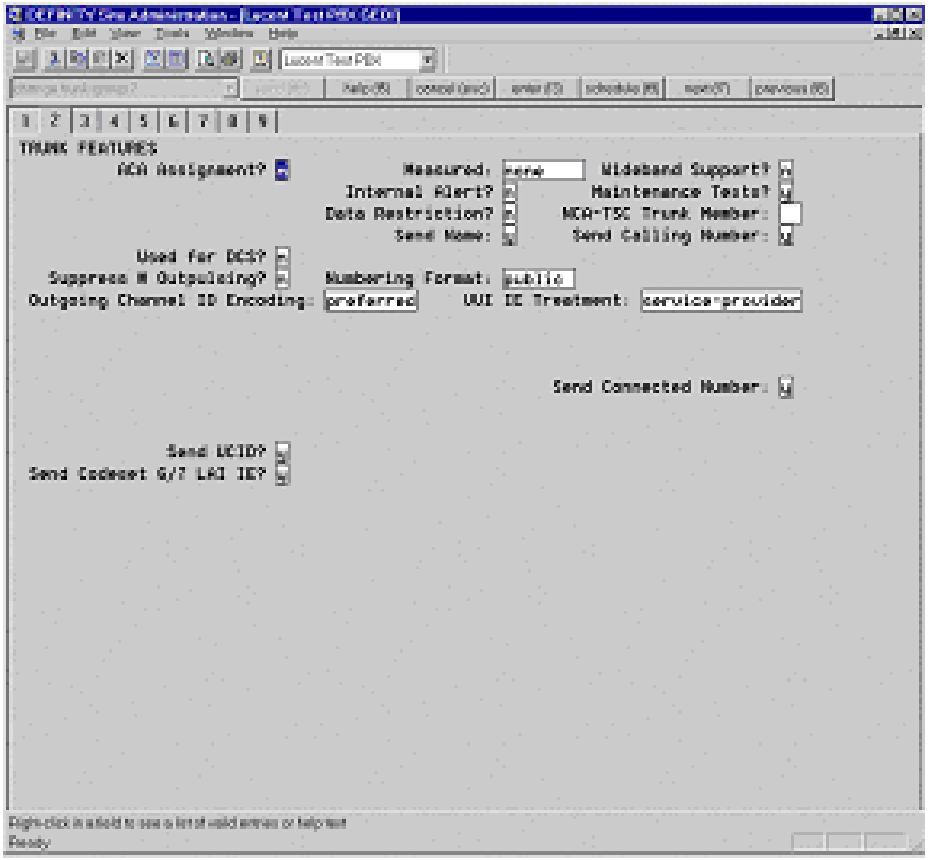
Trunk Group

The following figures show the configuration of the trunk group.

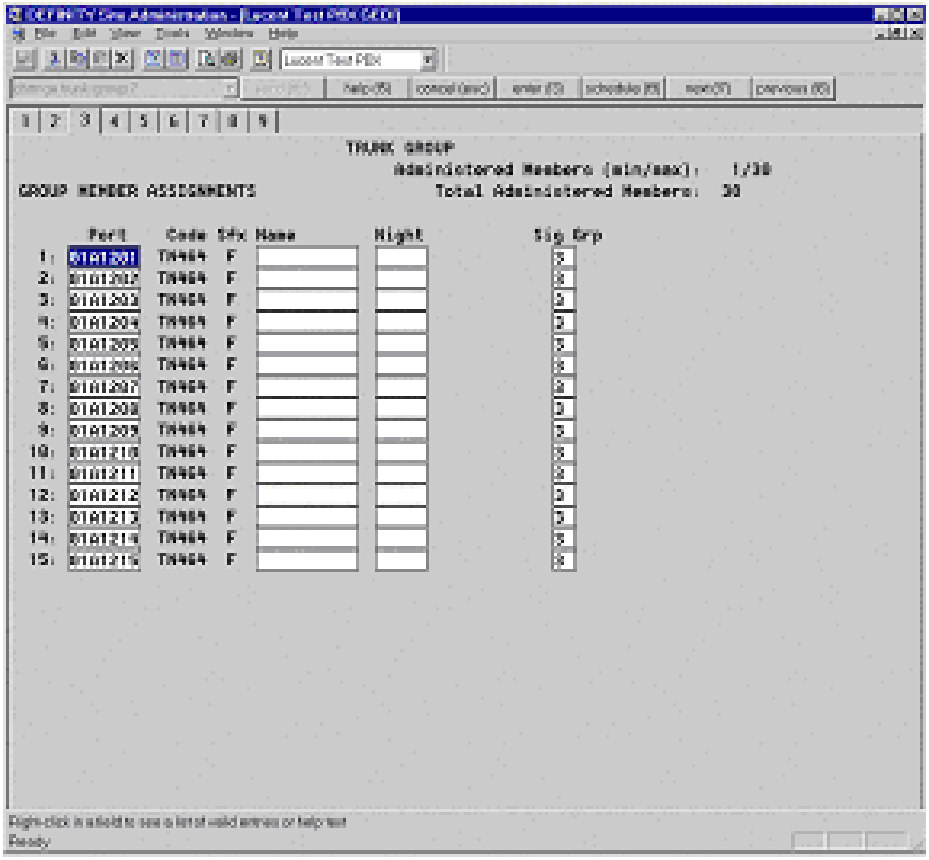
Trunk Group



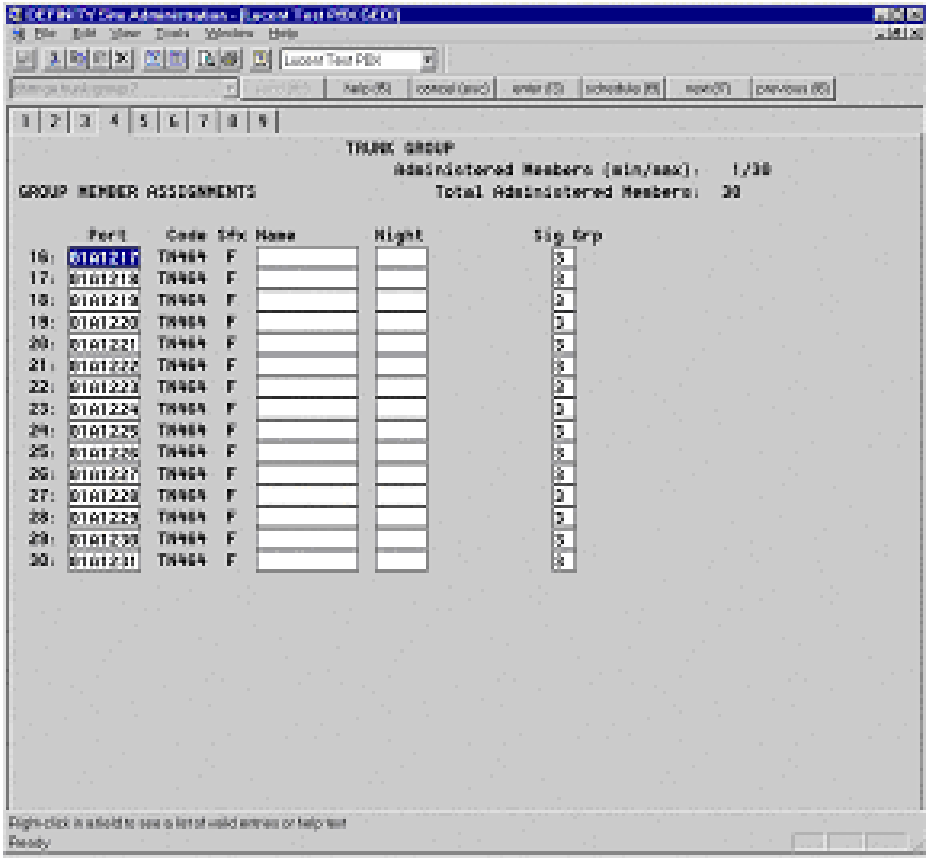
Trunk Group—Trunk Features



Trunk Group—Group Member Assignments



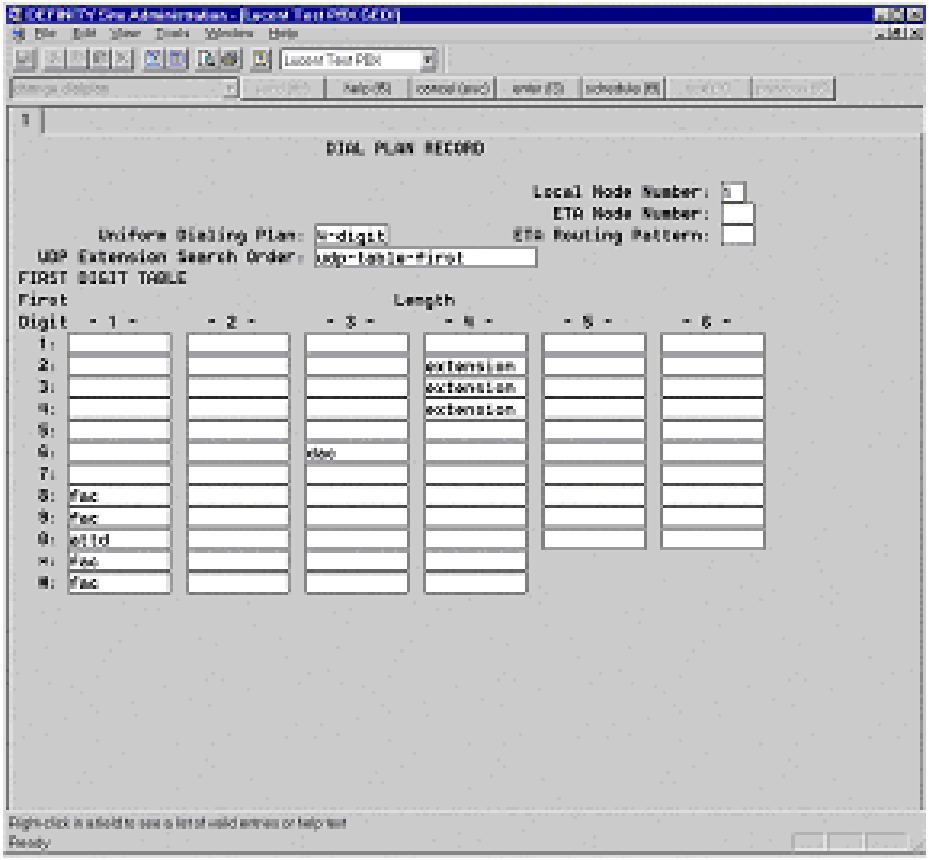
Trunk Group—Group Member Assignments Continued



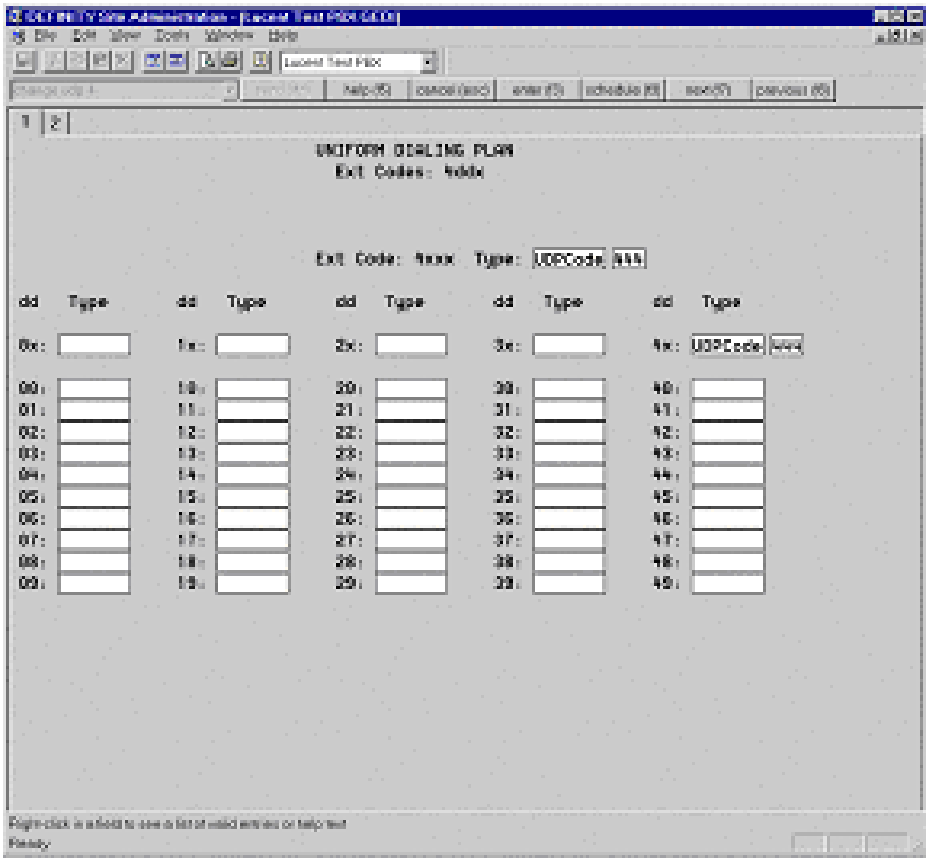
Uniform Dialing Plan

The following figures show the configuration of the uniform dialing plan.

Dial Plan Record



Uniform Dialing Plan



Configuring Cisco CallManager

To configure Cisco CallManager, do the following:

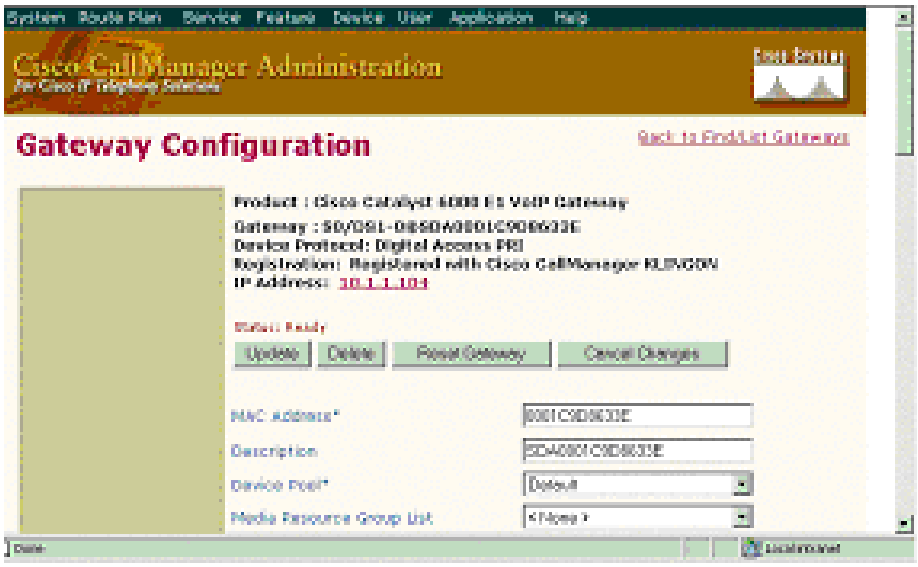
Step 1. Configure the gateway.

Step 2. Configure the route pattern.

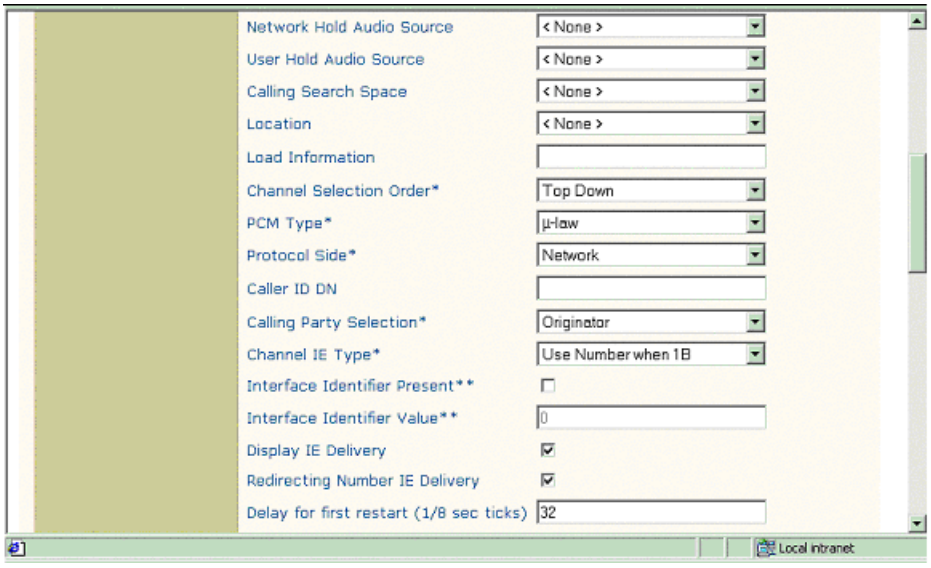
Gateway Configuration

The following figures show the configuration of the Cisco 6608 Gateway.

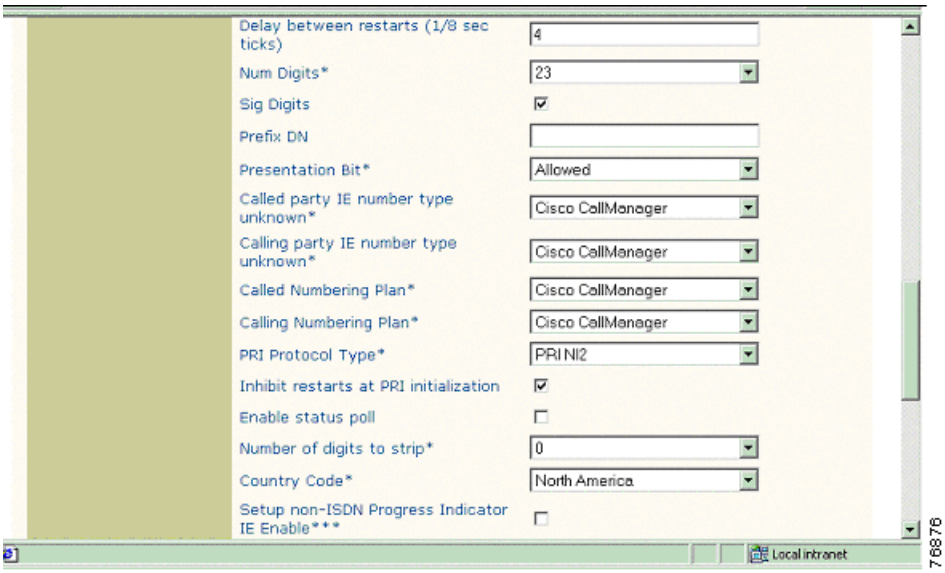
Cisco 6608 Gateway Configuration



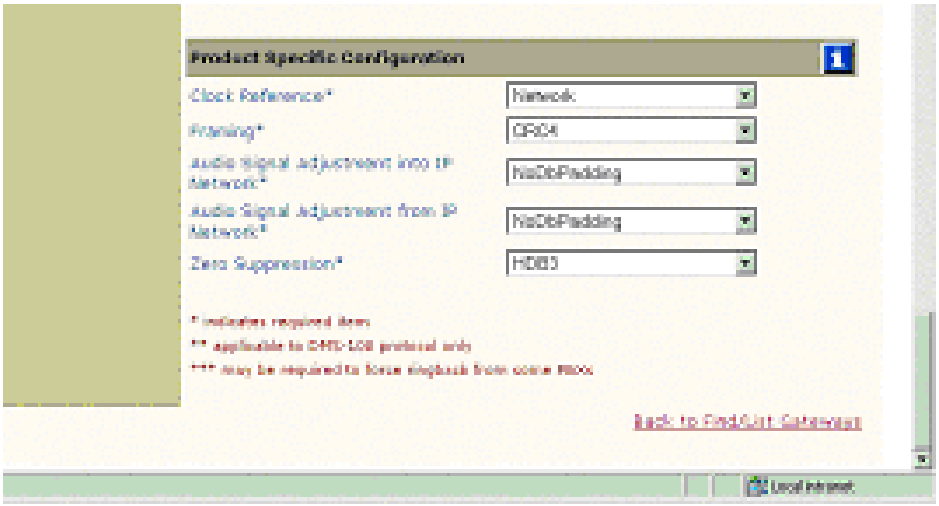
Cisco 6608 Gateway Configuration Continued



Cisco 6608 Gateway Configuration Continued



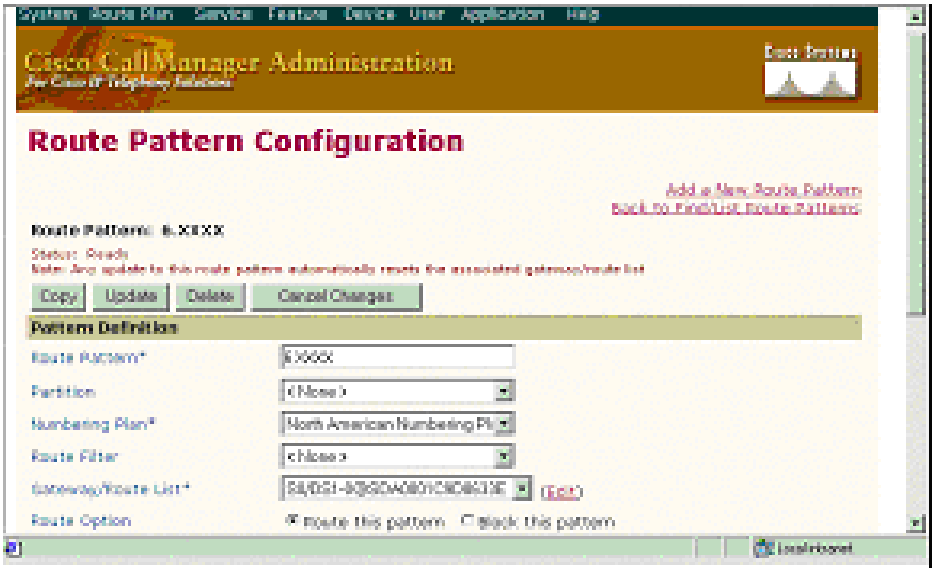
Cisco 6608 Gateway Configuration Continued



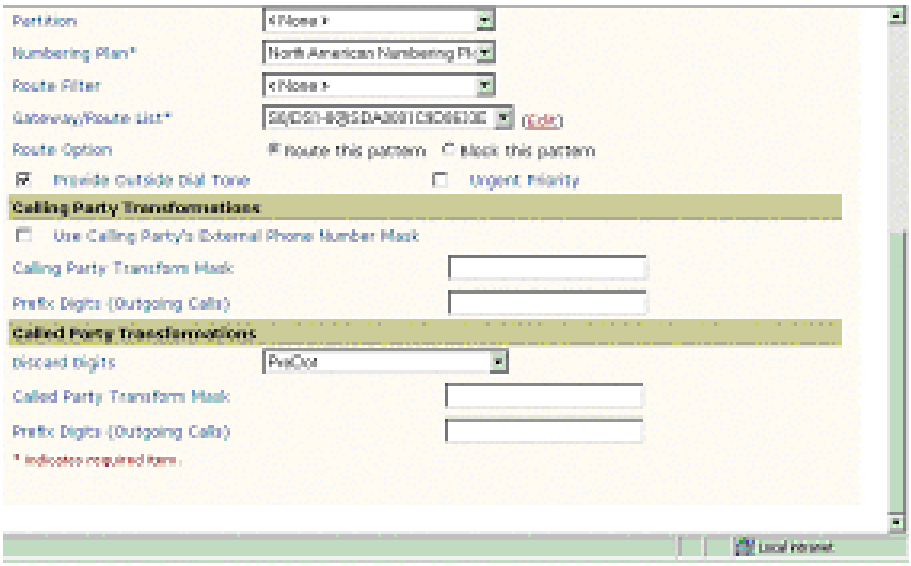
Route Pattern Configuration

The following figures show the configuration of the route pattern.

Route Pattern Configuration



Route Pattern Configuration Continued



Considerations

Calling Name and Number Feature

When calling from a Cisco 7960 IP phone to a Lucent digital phone, the Calling Name and Number are displayed on the Lucent digital phone after the call is answered. The Cisco 7960 phone, however, displays only the Called Number even though the Lucent sends both the “Connected Name” and “Connected Number” in the CONNECT message.

When calling from a Lucent digital phone to a Cisco 7960 IP phone, the IP phone displays Connected Name and Number after the call is answered. The Lucent phone, however, did not display the Called Name or the Called Number. It was verified using ISDN protocol analyzer that the CallManager was not sending the Connected Name or the Connected Number information in the connect message back to PBX.

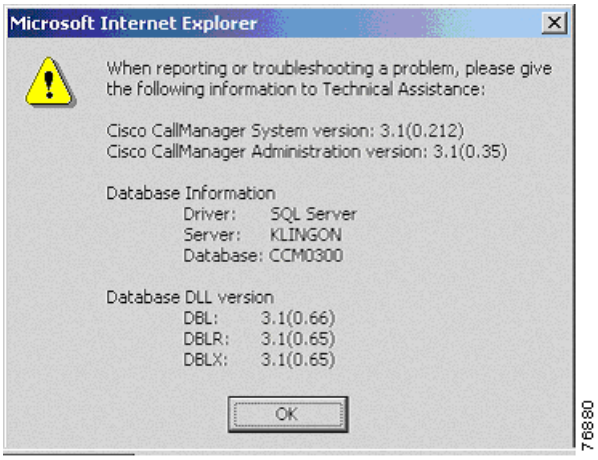
Integration Testing

This section contains information about the setup used in testing the integration of the Lucent/Avaya Definity G3si and the Cisco 6608-E1 PRI EURO Gateway.

CallManager Software Release:

The following figure shows the information about the release of CallManager being used.

CallManager Software Release



Lucent/Avaya Definity G3si Software Release

The following release of the Lucent/Avaya Definity G3si was used:

- Software Version: G3V7i.01.0.343.7