

This document describes the interoperability and configuration of a Cisco Catalyst 6000 series voice gateway Lucent Definity G3si PBX using E1 PRI signaling. It includes the following sections:

- System Components
- Configuration Tasks
- Caveats

# **System Components**

PBX Model	Lucent Definity G3si
PBX Release	Software Version R 7.0
Telephony Signaling	E1 PRI
Voice Gateway	Cisco Catalyst 6608
Gateway Release	5.5(6a)
Call Manager Release	3.1(0.212)
VoX Protocol	MGCP

# **Configuration Tasks**

See the following sections for configuration tasks for this feature:

Set Up

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Lucent Definity G3si PBX Configuration

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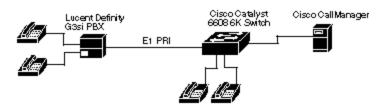
Call Manager Configuration

# **Set Up**

This section includes the following information:

- Connectivity Diagrams
- Set Up Notes

## **Connectivity Diagrams**



## **Set Up Notes**

• The Cisco 6608-E1 Gateway with ISDN protocol type setting of PRI-EURO supports both protocol sides by selecting "Network/User" in the protocol side field when configuring the Gateway via CallManager.

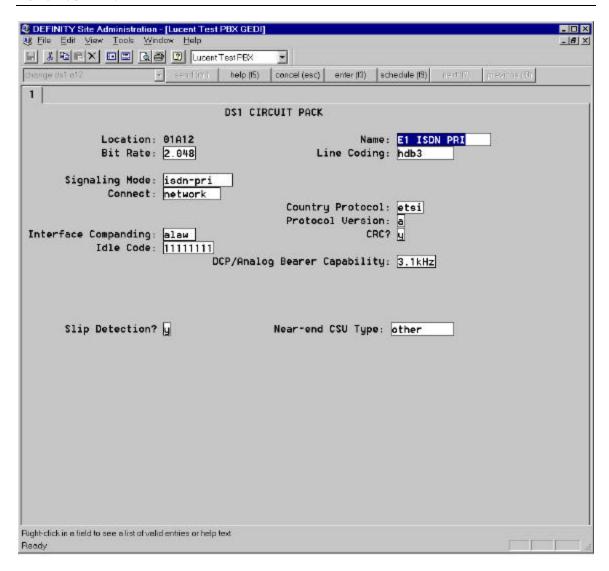
## **Lucent Definity G3si PBX Configuration**

## **Lucent Definity G3si PBX Version Information**

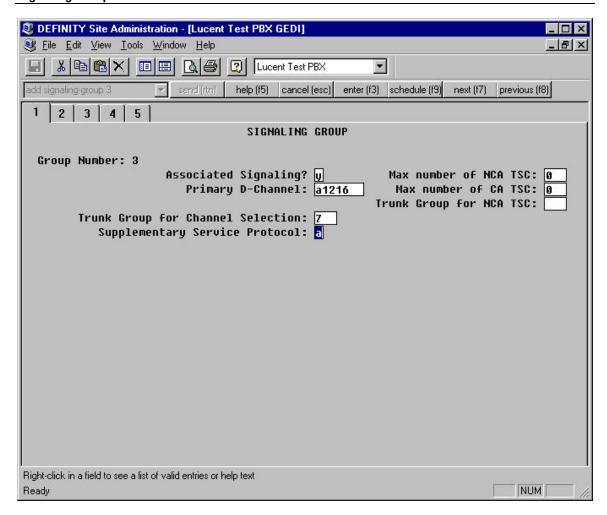
Software: Version G3V7i.01.0.343.7Hardware: TN464F, DS1 INTFC 24/32

## **Lucent Definity G3si PBX Sample Configuration**

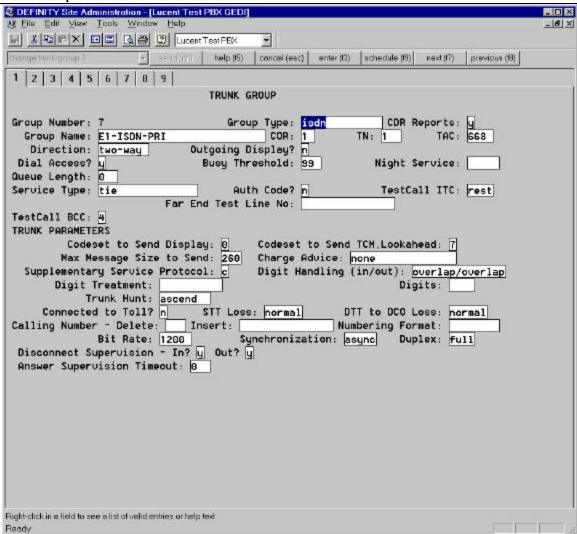
## **DS1 CIRCUIT PACK**

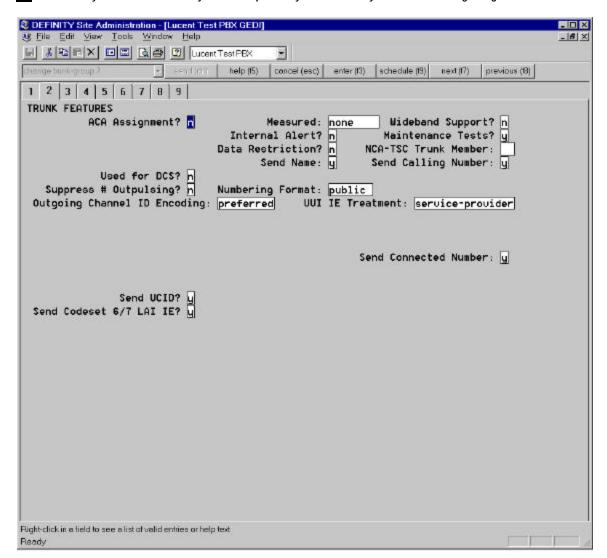


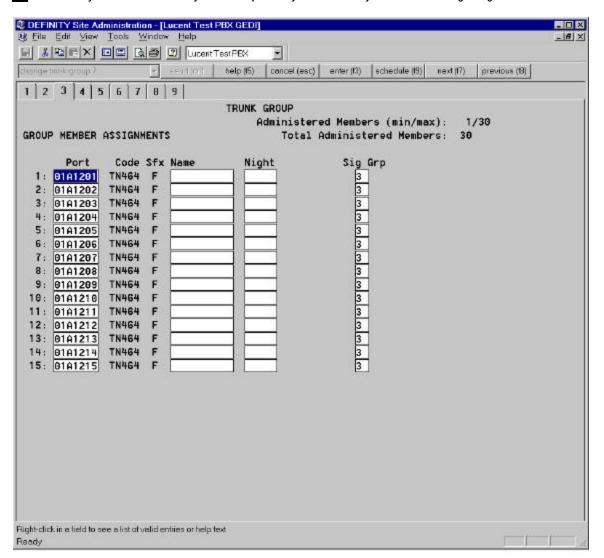
## **Signaling Group**

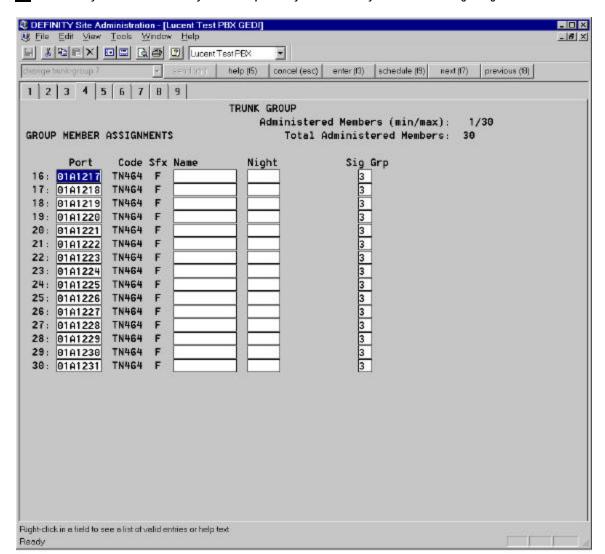


#### **Trunk Group**

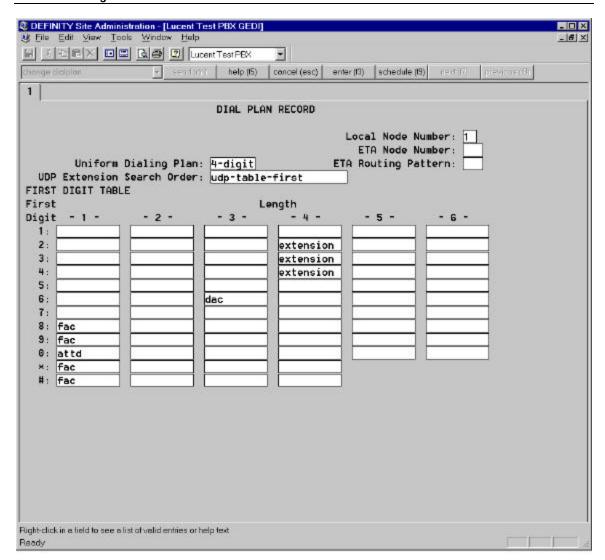






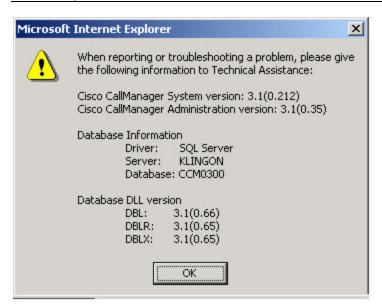


## **Uniform Dialing Plan**



# **Call Manager Configuration**

## **Call Manager Version Information**



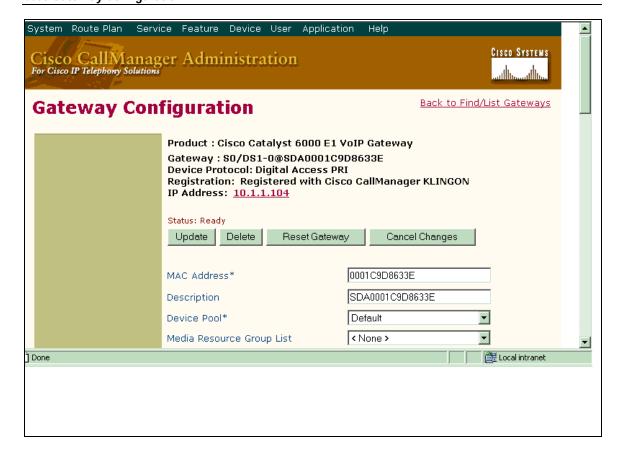
## Cisco Catalyst 6608 Gateway Configuration

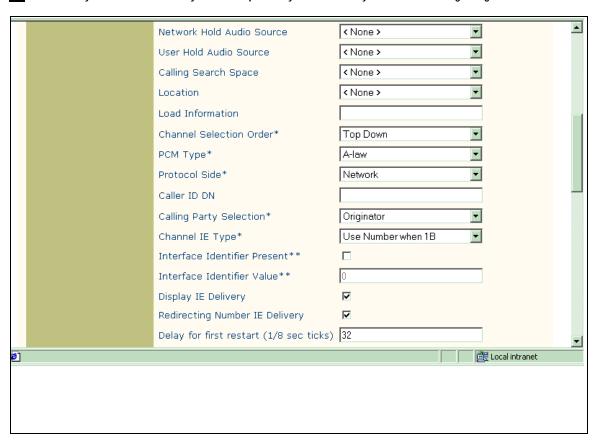
The following is the configuration of the Cisco Catalyst 6608 voice gateway connected to the Lucent Definity G3si PBX E1 PRI interface.

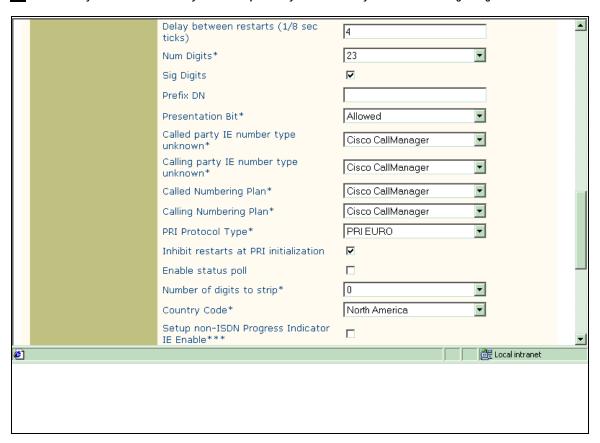
### **Cisco Catalyst 6608 Voice Gateway Version Information**

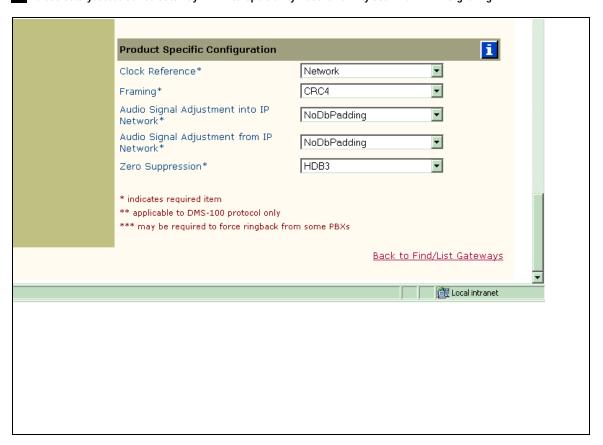
Software: Cisco IOS™ Version 5.5(6a)
Hardware: Cisco Catalyst 6608

## 6608 Gateway Configuration

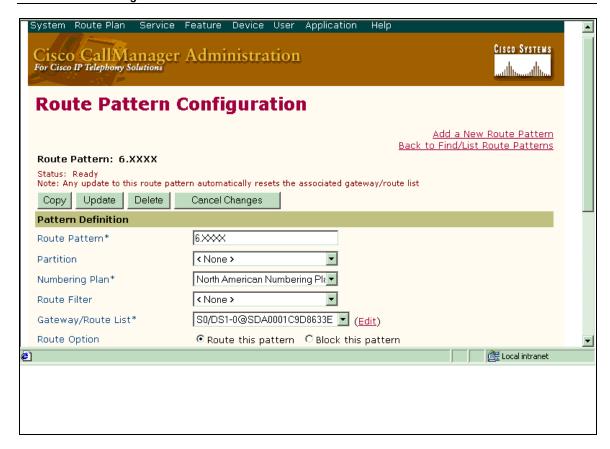








## **Route Pattern Configuration**



## Cisco Catalyst 6000 Series Gateway-PBX Interoperability: Lucent Definity G3si with E1 PRI Signaling Partition < None > Numbering Plan\* North American Numbering Pla < None > Route Filter S0/DS1-0@SDA0001C9D8633E ▼ (Edit) Gateway/Route List\* Route Option • Route this pattern • Block this pattern **Urgent Priority** ✓ Provide Outside Dial Tone **Calling Party Transformations** Use Calling Party's External Phone Number Mask Calling Party Transform Mask Prefix Digits (Outgoing Calls) **Called Party Transformations** PreDot Discard Digits Called Party Transform Mask Prefix Digits (Outgoing Calls) \* indicates required item. ₫€ Local intranet

## Cisco Catalyst 6608 Voice Gateway Sample Configuration

Configure in the following sequence:

- 1. DS1 Circuit Pack
- 2. Signaling Group
- 3. Trunk Group
- 4. Uniform Dialing Plan

## **Caveats**

- When calling from Cisco 7960 IP phone to Lucent digital phone, Calling/Called Number is displayed on both phones after the call is answered as expected. Cisco 7960 phone however only displays "Called Number" even though Lucent sends both "Connected Name" and "Connected Number" in the connect message.
- When calling from Lucent digital phone to Cisco 7960 IP phone, IP phone displays Connected Number after the call is answered. Lucent phone however did not display "Called Name" or "Called Number".