

# Cisco 3745 Gateway - PBX Interoperability: Avaya Definity G3 PBX using Analog E&M Interfaces to an H.323 Gateway

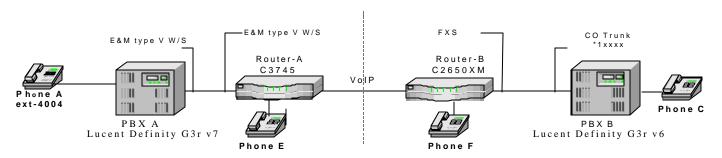
#### Introduction

- This note describes the interoperability between the Avaya Definity G3 PBX and a Cisco 3745 using analog E&M interfaces to an H.323 gateway.
- The Network Topology diagram shows the end-to-end interoperability.

# **Network Topology**

Figure 1. Network Topology

## **Basic Test Configuration**



## Limitations

None noted.

## **System Components**

# **Hardware Requirements**

- Cisco 3745 router
- Cisco VIC-VG-2E/M
- Avaya Definity G3r PBX

# **Software Requirements**

- Cisco IOS Software Release 12.2(15)ZJ
- PBX Software Release, Version 7

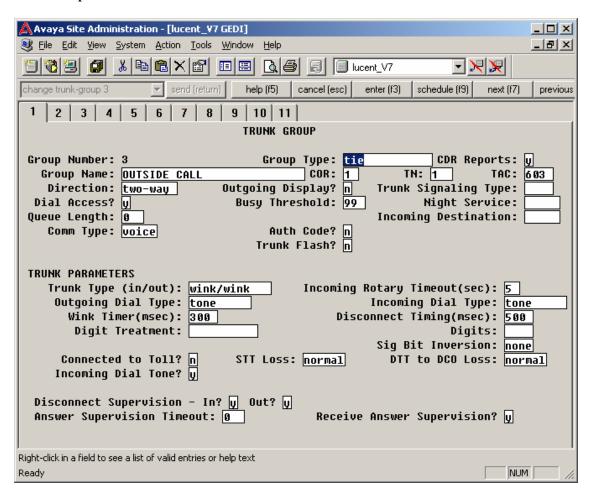


## Configuration

## Configuring the Ayava Definity G3r PBX

Configure the Avaya Definity G3r PBX. Use the following tables as a reference.

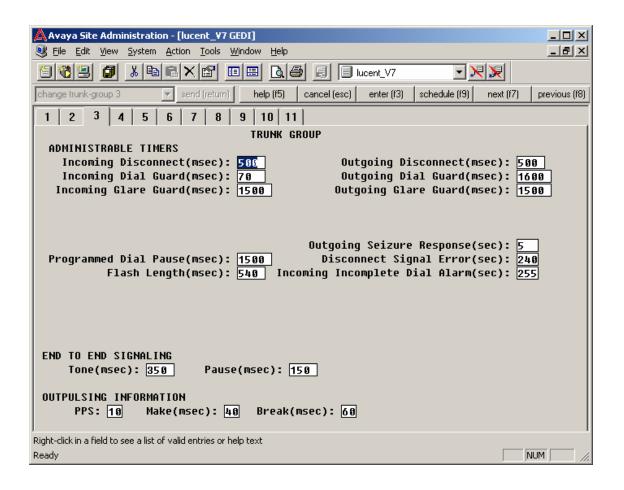
## **Trunk Group**



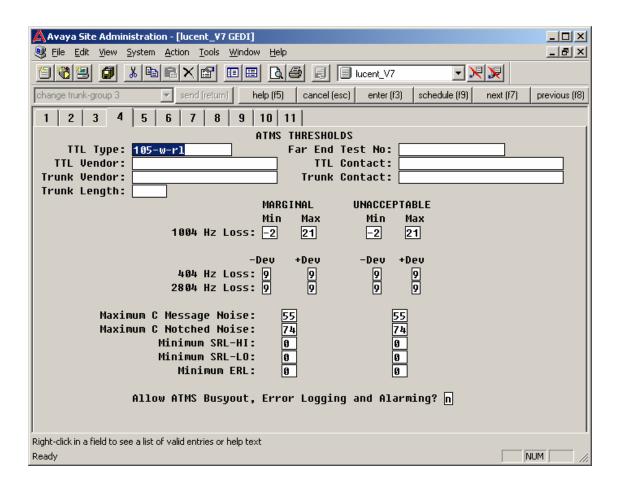


Avaya Site Administration - [lucent_Y7 GEDI]	
■ File Edit View System Action Tools Window Help  ■ It  ■ It	IJΝ
change trunk-group 3 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous	s (f8)
1 2 3 4 5 6 7 8 9 10 11	
TRUNK FEATURES	
ACA Assignment?	
Data Restriction? n	
Used for DCS? n Suppress # Outpulsing? n Seize When Maintenance Busy: neither-end	
Incoming Tone (DTMF) ANI: no Per Call CPN Blocking Code: Per Call CPN Unblocking Code:	
Right-click in a field to see a list of valid entries or help text  Ready	

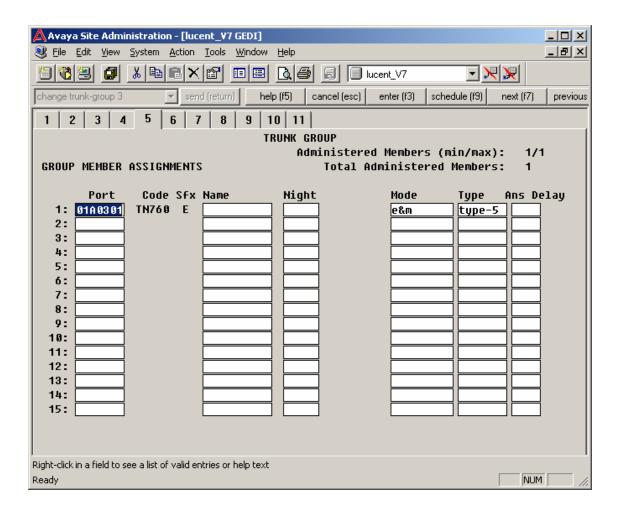












## **Configuring the Cisco 3745 Router**

• The following sample output shows the router configuration for interoperability with the PBX.

```
c3745#sho run
Building configuration...
Current configuration : 1692 bytes
version 12.2
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname c3745
!
boot system flash:c3745-jsx-mz-v122_15_zj_throttle.0.5.0
logging queue-limit 100
logging buffered 1000000 debugging
!
ip subnet-zero
no ip domain lookup
```



```
mpls ldp logging neighbor-changes
isdn switch-type primary-ni
voice-card 2
no dspfarm
voice-card 3
no dspfarm
voice-card 4
no dspfarm
no voice hpi capture buffer
no voice hpi capture destination
mta receive maximum-recipients 0
controller E1 2/0
ds0-group 1 timeslots 1-5 type r2-analog r2-compelled ani
cas-custom 1
 country argentina
 metering
 dnis-digits min 4 max 5
controller E1 2/1
interface FastEthernet0/0
ip address 100.1.1.1 255.255.255.0
duplex auto
speed auto
interface FastEthernet0/1
ip address 172.20.8.20 255.255.255.0
duplex auto
speed auto
ip default-gateway 10.1.1.2
ip http server
ip classless
ip route 0.0.0.0 0.0.0.0 FastEthernet0/1
call rsvp-sync
voice-port 2/0:1
voice-port 2/1/0
voice-port 2/1/1
voice-port 4/0/0
operation 4-wire
type 5
voice-port 4/0/1
operation 4-wire
type 5
!
```



```
mgcp profile default
dial-peer cor custom
dial-peer voice 1 pots
destination-pattern 20..
port 4/0/0
prefix 20
dial-peer voice 3 voip
destination-pattern 26..
session target ipv4:100.1.1.2
dial-peer voice 4 voip
destination-pattern 4000
session target ipv4:100.1.1.2
dial-peer voice 2 pots
destination-pattern 3000
port 2/1/1
dial-peer voice 5 voip
destination-pattern 4004
session target ipv4:100.1.1.2
gatekeeper
shutdown
line con 0
line aux 0
line vty 0 4
login
!
end
```

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