

System 75 and DEFINITY Generic 1 Administration

3

Overview

The process of integrating a System 75 or DEFINITY Generic 1 switch and an Intuity AUDIX system involves a series of tasks. You must perform some of these tasks on the switch and others on the Intuity AUDIX system at the time it is installed.

This chapter provides the following basic procedures you must perform on the switch:

- Administer the Intuity AUDIX system voice ports.
- Administer the hunt group and assign the voice ports to it.
- Administer the data link between the switch and the Intuity AUDIX system.

You must perform additional procedures on the switch if:

- The Intuity AUDIX system includes certain optional features such as INTUITY AUDIX Digital Networking or an automated attendant. See [Chapter 10, "Optional Switch Administration for Intuity AUDIX System Features"](#), for the additional procedures.
- The Intuity AUDIX system and the switch are part of a Distributed Communications System (DCS) network. See [Chapter 6, "DCS Administration"](#), for the additional procedures.

Purpose

This chapter provides procedures for the basic switch integration required to integrate a System 75 on a DEFINITY Communications System Generic 1 switch with an Intuity AUDIX system.



NOTE:

The Intuity AUDIX system supports integration with System 75 release 1, version 3, issue 1.7 and above. The System 75 switch must contain a processor interface (PI) card. Some early versions of the System 75 R1V3, models 1A, 1B, 2A, and 2B carriers, may not support the PI card complex required with the Intuity AUDIX system. These carriers may not have a PI/EIA port for IDI connectivity and you must use the MPDM option.

Administer the Voice Ports as Stations

This section explains how to administer each of the Intuity AUDIX system voice ports as 2500-type voice terminals. You must administer a voice port for each of the ports you have on your Intuity AUDIX system. For example, if you have a 64-port Intuity AUDIX system, you must administer 64 voice ports. You then assign the voice ports you administer and their extensions to hunt groups in the next section, [“Assign the Hunt Group”](#).

As you administer the voice ports, you must perform the following steps:

1. Create a unique class of restriction (COR).
2. Administer the first voice port.
3. Duplicate the first voice port for the remaining voice ports.
4. Change the `Port` and `Name` fields for each of the duplicated ports.

Before you continue with this section, make sure you have completed the worksheets in [Chapter 2, “Switch Integration Planning”](#). You need that information to complete the following procedures.

Create a Unique Class of Restriction

The COR defines subscribers' calling privileges. The COR specifies up to 64 different classes of call origination and termination privileges on the DEFINITY G1 switch and increases the security of the system. You must create a unique COR for the Intuity AUDIX system. This COR must be in the 21 to 39 range and *not* in use by any other extension, special-usage ports, or trunk group.

Use the following procedure to create the COR:

1. Log in to the switch System Administration Terminal (SAT) by entering the craft or inads user id.
2. Enter your password.
3. Enter the correct terminal type for the SAT.
4. Enter **change cor COR number** at the command prompt. See [Worksheet A](#) in [Chapter 2, "Switch Integration Planning"](#), for the COR number.

The system displays the Class Of Restriction screen.

⇒ NOTE:

The instructions in this section deal only with the fields you need to change for an Intuity AUDIX system. Do not change the value in any other field unless you are instructed. For more information on the COR screen and fields, see the documentation provided with the switch.

5. Press **(NEXTPAGE)** to move to page 2 of the Class of Restriction screen.

In the **Calling Permission** field, you see the numbers 0 through 63. The numbers represent the calling permissions you can set.

6. Set the calling permissions to provide a more secure system. Set up the COR with permission to call local numbers within the dial plan only.

⇒ NOTE:

Some Intuity AUDIX system features require additional calling capabilities. See [Worksheet A](#) in [Chapter 2, "Switch Integration Planning"](#), for more information on configuring the COR for specific features.

7. Press **END** to save your changes and return to the command prompt.

Create a Unique Class of Service

The COS allows you to define subscriber access to several features and functions. For the Intuity AUDIX system voice ports, turn on the Data Privacy feature only. Avaya Communications recommends that you do not enable any other features on the COS. Use the following instructions to configure the COS.

Use the following procedure to create the COS:

1. Enter **change cos *COS number*** at the command prompt. See [Worksheet A](#) for the COS number.

The system displays the Class Of Service screen.

NOTE:

The instructions in this section deal only with the fields you need to change for an Intuity AUDIX system. Do not change the value in any other field unless you are instructed. For more information on the COS screen and fields, see the documentation provided with the switch.

2. Turn on the Data Privacy feature for the COS.

Data Privacy is the only feature you need to select y (yes) for.

3. Press **(ENTER)** to save your changes and return to the command prompt.

Administer the First Voice Port Station

The Intuity AUDIX voice ports interact with the switch as 2500 analog stations. See [Worksheet A](#) in [Chapter 2, “Switch Integration Planning”](#), for the information required to administer the ports.

Use the following procedure to administer the first voice port station:

1. Enter **add station voice port extension** at the command prompt on the SAT.

The system displays the Station screen ([Figure 3-1](#)).

The extension number must be the same length as the Intuity AUDIX system subscriber extension numbers. Extension numbers cannot start with 0.

NOTE:
You can also use the **add station next** command if you are adding stations sequentially.

add station 12001Page 1 of 1

STATION

Extension: 12001

Type: 2500

Room:

Jack:

Cable:

BCC: 0

Lock Messages: n

Port: 1A0501

Name: AUDIX 1

COR: 1

Security Code: _____

COS: 5

Coverage Path: _____

Tests? n

FEATURE OPTIONS

LWC Reception? AUDIX

LWC Activation? n

Redirect Notification? n

Off Premise Station? n

Headset? n

Auto Answer? n

Att. Call Waiting Indication? n

Distinctive Audible Alert? n

Message Waiting Indicator? _

Station Adj. Supervision? y

Coverage Msg Retrieval? n

Data Restriction? n

Call Waiting Indication? n

Switchhook Flash? y

ABBREVIATED DIALING

List1: _____

List2: _____

List3: _____

HOT LINE DESTINATION

Abbreviated Dialing List Number (From above 1, 2 or 3): _

Dial Code: _

Figure 3-1. Sample G1 2500 Station Screen

2. Use [Table 3-1](#) to enter the correct values in the fields on the Station screen.

Table 3-1. System 75 and G1 Station Screen Entries

Table 3-2.

Field	Description and Instructions
Extension:	Enter a valid extension number (3 to 5 digits) that agrees with the dial plan. Each voice port needs a unique extension number. See Worksheet B in Chapter 2, "Switch Integration Planning" , for a list of valid extensions.
Type:	Enter 2500
Lock Messages:	Enter n
COR:	Enter a Class of Restriction (COR) for the voice port that reflects the desired restriction. The COR provides security for the voice ports. Use the COR you configured in "Create a Unique Class of Restriction" above. Worksheet A in Chapter 2, "Switch Integration Planning" , also contains the COR number you must use.
Port:	<p>Enter the five- or six-character analog port number, for example, 1A0501. See Worksheet B in Chapter 2, "Switch Integration Planning", for the port number.</p> <ul style="list-style-type: none">■ The first character identifies the network for G1. The number defaults to 1 or 2. The number does not apply on a System 75 switch.■ The next character identifies the carrier as either A, B, C, D, or E. This is the first character on a System 75 switch.■ The next two characters identify the slot number in the carrier. A G1 switch uses 01–20 for multicarrier cabinets and 01–18 for single-carrier cabinets. A system 75 switch uses 01–20.■ The last two characters identify the circuit number. Valid entries are 01–16. Assign the first voice port to circuit 01, the second to circuit 02, etc.
Security Code:	Leave this field blank.

Table 3-2.

Field	Description and Instructions
COS:	Enter a Class of Service that allows access to the Data Privacy feature. Set all other features for the COS to n . Use the COS number you configured in “Create a Unique Class of Service” above. Worksheet A in Chapter 2, “Switch Integration Planning” , also contains the COS number.
Name:	See Worksheet B in Chapter 2, “Switch Integration Planning” , for the correct name.
Coverage Path:	Leave this field blank.
Tests?	Enter n
LWC Reception?	Enter AUDIX or none
LWC Activation?	Enter n
Redirect Notification	Enter n
Off Premise Station?	Enter n
Switchhook Flash?	Enter y
Headset?	Enter n
Auto Answer?	Enter n
Coverage Msg Retrieval?	Enter n
Data Restriction?	Enter n
Call Waiting Indication?	Enter n
Att. Call Waiting Indication?	Enter n
Distinctive Audible Alert?	Enter n
Message Waiting Indicator?	Leave this field blank.

3. After you enter the correct information in the fields, press **ENTER** to save the information.

The system refreshes the screen and returns the cursor to the command prompt.

4. Continue with the next section, [“Duplicate the Station”](#).

Duplicate the Station

After you create one voice port station, you can quickly create additional stations by using the **duplicate station** command. The command allows you to copy the information you entered on the first voice port station. You are required to enter just the extension, port, and name for the next station you need to create. As you use the command, see [Worksheet B](#) in [Chapter 2, "Switch Integration Planning"](#), for a list of the voice port information you must enter. A System 75 switch allows you to duplicate one station at a time. A DEFINITY G1 allows you to duplicate up to 16 stations at a time.

Use the following procedure to duplicate the station:

1. Enter **duplicate station *first voice port station extension*** at the command prompt.

The system duplicates the station then displays the Station screen ([Figure 3-1](#)). The cursor appears in the `Extension:` field.

2. Enter the extension number of the next voice port station you need to create in the `Extension:` field.
3. Enter the port for the next voice port station in the `Port:` field.
4. Enter the name for the next port in the `Name:` field.
5. Press `(ENTER)` to save the information and return to the command prompt.
6. To verify that the voice ports exist on the switch, enter **list station *extension for port 1 count number of voice port***

The system displays a list of all the stations you created.

Assign the Hunt Group

You must identify each Intuity AUDIX system voice port as a member of one call distribution or switch group, also called a *hunt group*. This group is a set of analog ports on the switch that connects subscribers and callers to the Intuity AUDIX system by distributing new calls to idle ports. For example, when a caller dials the Intuity AUDIX system number to retrieve voice messages, the hunt group receives the call and sends it to the first available port. See the appropriate switch documentation for more information about call distribution groups.

Use the following procedure to place the voice ports into a hunt group starting with port 1:

1. Enter **add hunt-group hunt group number** at the enter command prompt on the SAT.

The system displays the Hunt Group screen ([Figure 3-2](#)).

See [Worksheet C](#), in [Chapter 2, “Switch Integration Planning”](#), for the hunt group number. You also can enter **add hunt-group next** to add a hunt group with a number that is one higher than the previous hunt group.

add hunt-group 10Page 1 of 6

HUNT GROUP

Group Number: 10

Group Extension: 12000

Group Type: ucd

Group Name: AUDIX

Coverage Path: _____

COR: 1

Security Code: _____

Message Center: AUDIX

ACD? n

Queue? y

Night Service Destination: _____

ISDN Caller Disp: _____

Queue Length: 16

Calls Warning Threshold: _____

Calls Warning Port: _____

Time Warning Threshold: _____

Time Warning Port: _____

First Announcement Extension: _____

First Announcement Delay (sec): _____

Figure 3-2. Sample G1 Hunt Group Screen, Page 1

2. Use [Table 3-3](#) to enter the correct values in the fields on page 1 of the Hunt Group screen.

Table 3-3. G3r Hunt Group Screen Entries, Page 1

Table 3-4.


Field	Description and Instructions
Group Number :	This field contains the hunt group number assigned to the hunt group after you entered the add hunt-group command. This should be the same number listed on Worksheet C in Chapter 2, “Switch Integration Planning” .
Group Extension :	Enter an unused extension number of 3–5 digits to be assigned to the hunt group. This is the extension subscribers dial to access voice messaging features. See Worksheet C in Chapter 2, “Switch Integration Planning” , for the hunt group extension.
Group Type :	Enter ucd
Group Name :	<p>Enter the name you want display set subscribers to see when they call the Intuity AUDIX system to access voice messaging features. This name can consist of up to 15 characters.</p> <p>The word “AUDIX” must be part of the name for the G3-MA administration tool to recognize the Intuity AUDIX system. Other characters may appear in the name as long as AUDIX is part of the name. If AUDIX is not part of the Group Name, G3-MA will not be able to extract names from the switch when provisioning the Intuity AUDIX system.</p> <p>See Worksheet C in Chapter 2, “Switch Integration Planning”, for the group name.</p>
Coverage Path :	Leave this field blank. If you enter a coverage path, the switch will send calls to the coverage point. This may interfere with the Intuity AUDIX system.
COR :	Enter the Class of Restriction listed on Worksheet C in Chapter 2, “Switch Integration Planning” .
Security Code :	Leave this field blank.
Message Center :	Enter AUDIX
ACD?	<p>Enter n</p> <p> NOTE: The Intuity AUDIX system voice ports do not operate in an ACD group.</p>

Table 3-4.



Field	Description and Instructions
Queue?	<p>Enter y</p> <p> NOTE: A queue is optional but recommended. See Worksheet C assigned in Chapter 2, “Switch Integration Planning”, for the appropriate value.</p>
Night Service Destination:	Enter the destination where calls to this hunt group redirect when the hunt group is in the night service mode. Allowable entries are an assigned extension number, the attendant, or a blank. Leave the field blank for most applications unless the application requires calls to be redirected when the hunt group is in night service mode.
AUDIX Extension:  NOTE: This field appears on a remote DCS switch when message center is active.	This is the Intuity AUDIX system extension number for the host switch. The host switch connects to the Intuity AUDIX system. This is the number Intuity AUDIX system subscribers call to access voice messaging features. This field is normally left blank.
ISDN Caller Disp:	Enter grp-name or mbr-name to specify whether the hunt group name or member name will be sent to the originating subscriber. Use the hunt group name for most applications. This field is required when the ISDN-PRI option on the switch System-Parameters Customer-Options screen is enabled. If ISDN-PRI is not enabled, leave this field blank. See Worksheet C in Chapter 2, “Switch Integration Planning” , for the correct value.
Queue Length:	If you enter a y in the <code>Queue</code> field, you must enter a queue length here. Avaya Communications recommends that you use a queue length equal to the number of voice ports configured for the Intuity AUDIX system.
Calls Warning Threshold:	Leave this field blank.
Time Warning Threshold:	Leave this field blank.

Table 3-4.

Field	Description and Instructions
First Announcement Extensions:	The field identifies the announcement a caller receives after being in the queue for the time interval specified in the First Announcement Delay field. Enter a recorded announcement extension number or leave this field blank. Chapter 10, “Optional Switch Administration for Intuity AUDIX System Features” , contains instructions for setting up recorded announcements.
Calls Warning Port:	Leave this field blank.
Time Warning Port:	Leave this field blank.
First Announcement Delay (sec):	Enter the number of seconds that a call can remain in queue before the calling party receives the first announcement. This field is optional if the queue field contains y and must be left blank if there is no first announcement.

3. After you enter the correct information in the fields, press **ENTER** to save the information.

The system refreshes the screen.

4. Press **NEXTPAGE** to move to page 2 of the Hunt Group screen ([Figure 3-3](#)).

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HUNT GROUP

Group Number: 10 Group Extension: 12000 Group Type: ucd

Group Member Assignments

Ext	Name	Ext	Name	Ext	Name
1: 12001	AUDIX 1	14: 12014	AUDIX 14	27: _____	
2: 12002	AUDIX 2	15: 12015	AUDIX 15	28: _____	
3: 12003	AUDIX 3	16: 12016	AUDIX 16	29: _____	
4: 12004	AUDIX 4	17: _____		30: _____	
5: 12005	AUDIX 5	18: _____		31: _____	
6: 12006	AUDIX 6	19: _____		32: _____	
7: 12007	AUDIX 7	20: _____		33: _____	
8: 12008	AUDIX 8	21: _____		34: _____	
9: 12009	AUDIX 9	22: _____		35: _____	
10: 12010	AUDIX 10	23: _____		36: _____	
11: 12011	AUDIX 11	24: _____		37: _____	
12: 12012	AUDIX 12	25: _____		38: _____	
13: 12013	AUDIX 13	26: _____		39: _____	
				40: _____	

Figure 3-3. Sample G1 Hunt Group Screen, Page 2

5. Enter the Intuity AUDIX voice port extensions as group members. Use [Table 3-5](#) to complete the hunt group assignments.

[Figure 3-3](#) shows sample hunt group member assignments for the G1 switch. You must assign the Intuity AUDIX voice port extension as members of the hunt group.

⇒ NOTE:
Enter the ports you configured for the Intuity AUDIX system. Do not enter voice port extensions that belong to other systems.

⇒ NOTE:
The voice port names do not display while you are adding the hunt group members, but you will see them the next time you access the Hunt Group screen.

Table 3-5. Hunt Group Member Assignments Screen Entries

Table 3-6.

Field	Description and Instructions
Group Number :	This is a display-only field that shows the group number assigned on page 1 of the Hunt Group screen (Figure 3-2).
Group Extension :	This is a display-only field that shows the group extension assigned on page 1 of the Hunt Group screen (Figure 3-2).
Group Type :	This is a display-only field that shows the group type assigned on page 1 of the Hunt Group screen (Figure 3-2).
Ext	Enter the extension of each Intuity AUDIX voice port. Enter the extensions in the same order they were assigned to the voice ports. The order must match the order on the Intuity AUDIX system Voice Equipment Assignment screen. See Worksheet B in Chapter 2, "Switch Integration Planning" , for a list of voice port extensions.
Name	This is a display-only field that shows the voice port names the next time you access the Hunt Group screen.

6. After you enter Intuity AUDIX voice port extension, press **ENTER** to save the information.
- The system refreshes the screen.
7. Press **CANCEL** to exit the Hunt Group screen and return to the enter command prompt.

You use the Group Number of the Intuity AUDIX hunt group when you assign a call coverage path for the system subscribers. The hunt group number serves as the coverage point for incoming Intuity AUDIX calls. You will complete the coverage path assignment procedure in [Chapter 9, "Cut-to-Service Administration"](#).

Assign the Data Link

The data link connects the Intuity AUDIX system to the System 75 or G1 switch Processor Interface¹ (PI) card, TN765, or the Switch Communications Interface (SCI) card. This connection allows nonvoice (data) messages to pass between the Intuity AUDIX system and the switch.

The TN765 PI card has four data links. One Electronic Industries Association (EIA) port allows direct access to one of the four data links. An Isolating Data Interface (IDI) connects link 1, the EIA port, to the Intuity AUDIX system GPC AT\E bcard. If the EIA port is not available, the remaining three data links must use a TN754 digital line circuit and a Data Service Unit (DSU) or an Modular Processor Data Module (MPDM) to interface to the GPC AT\E card. Avaya Communications recommends that you assign all four data links even if you use only one.

Some System 75 systems may have an SCI card instead of the PI card for a data link. The SCI consists of three interface cards, Interface-1, Interface-2, and Interface-3. An MPDM and a TN754 digital line port always connect the Intuity AUDIX system to the SCI card.

A datalink with an MPDM requires an MPDM extension and a data interface extension. A data link using an IDI requires only a data interface extension. Use Table 3-7 to determine which tasks you must complete in this section depending on the data link and data device used by the Intuity AUDIX system. After determining which steps you need to perform, continue with those sections.

Table 3-7. Required Administration Steps by Data Link and Data Device

Table 3-8.

Data Link	Data Device	Tasks to Perform
PI with EIA port	IDI	Assign the Processor Interface Data Module , Assign the Interface Link , Assign the Processor Channel
PI without EIA port	MPDM / 7400D	Assign the MPDM , Assign the Processor Interface Data Module , Assign the Interface Link , Assign the Processor Channel
SCI	MPDM / 7400D	Assign the MPDM , Assign the Processor Interface Data Module , Assign the Interface Link , Assign the Processor Channel

1. Also called a Processor Interface Board (PIB)

Assign the MPDM

You must perform this task if the Intuity AUDIX system connects to the switch through a PI without an EIA port and an MPDM or through SCI and an MPDM.

As you perform this procedure, see [Worksheet D](#) in [Chapter 2, “Switch Integration Planning”](#).

Use the following procedure to assign the MPDM:

1. Enter **add data-module data-module extension** at the command prompt.
- The system displays the Data Module screen ([Figure 3-4](#)).

add data-module 12050

Page 1 of 1

DATA MODULE

Data Extension: 12050

Type: pdm

Port: A0501

Name: AUDIX

COS: 1

COR: 1

Connected to: dte

Remote Loop-Around Test: n

ABBREVIATED DIALING

List1: _____

HOT LINE DESTINATION

Abbreviated Dialing Dial Code (from above list): ____

ASSIGNED MEMBERS (Stations with a data extension button for this data module)


Ext	Name	Ext	Name
1:		3:	
2:		4:	


Figure 3-4. Sample System 75 and G1 Data Module Screen

2. Use [Table 3-9](#) to enter the correct values in the fields on the Data Module screen.

Table 3-9. Data Module Screen Entries

Table 3-10.

Field	Description and Instructions
Data Extension:	Displays the extension number assigned to the MPDM data module when you entered the add data-module command.
Type:	Enter pdm
Port:	Enter the five-(System 75) or six-(G1) character TN754 digital port location that connects to the MPDM, for example, 1A0501. See Worksheet D in Chapter 2, “Switch Integration Planning” for the correct port location.
Name:	 NOTE: This field is optional. Enter AUDIX .
COS:	Enter the Class of Service for the MPDM data module. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the COS.
COR:	Enter the Class of Restriction for the MPDM data module. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the COR.
Connected to:	Enter dte
Remote Loop-Around Test:	Enter n

3. After you enter the Data Module information, press  to save the information

The system returns to the enter command prompt.
4. Continue with the next procedure, [“Assign the Processor Interface Data Module”](#).

Assign the Processor Interface Data Module

You must perform this task for all Intuity AUDIX system connections.

The Processor Interface (PI) data modules are the software data modules that integrate into the PI circuit card ports on the switch. A Processor Interface data module provides an interface to the Intuity AUDIX system. As you complete this procedure, see [Worksheet D](#) in [Chapter 2, “Switch Integration Planning”](#).

Use the following procedure to assign the PI data module:

1. Enter **add data-module *PI extension*** at the command prompt on the SAT.
See [Worksheet D](#) in [Chapter 2, “Switch Integration Planning”](#) for the PI extension.

The system displays the Data Module screen ([Figure 3-5](#)).

add data-module 12051Page 1 of 1

DATA MODULE

Data Extension: 12051Type: procr-infoPhysical Channel: 01

Name: AUDIXCOS: 1COR: 1

Maintenance Extension: 12052

ABBREVIATED DIALING

List1: _____

HOT LINE DESTINATION

Abbreviated Dialing Dial Code (from above list): ____

ASSIGNED MEMBERS (Stations with a data extension button for this data module)



Ext	Name	Ext	Name
1:		3:	
2:		4:	

Figure 3-5. Sample G1 Processor Interface Data Module Screen

2. Use the [Table 3-11](#) to enter the correct values in the fields on the Processor Interface Data Module screen.

Table 3-11. Processor Interface Data Module Screen Entries

Table 3-12.


Field	Description and Instructions
Data Extension:	The field displays the extension number assigned to the data module when you entered the add data-module command.
Type:	<ul style="list-style-type: none">■ For a System 75 switch, enter procr-infc■ For a G1 switch, enter interface
Physical Channel:	<ul style="list-style-type: none">■ Enter 01, 02, 03, or 04 for a System 75 switch and single-carrier G1 switch. A data link using an IDI to the TN765 must use 01 for the EIA port.■ A multi-carrier G1 switch can support two PI cards. Use 02, 03, 04, 05, 06, 07, or 08 if the Intuity AUDIX system interfaces to a second PI card. <p>See Worksheet D in Chapter 2, “Switch Integration Planning”, for the correct physical channel.</p>
Name :	 NOTE: This field is optional. Enter AUDIX .
COS :	Enter 5 as the Class of Service for the data module. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the COS.
COR :	Enter the Class of Restriction for the Processor Interface data module. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the COR.
Maintenance Extension:	Enter the extension number you plan to use for maintenance tests.  NOTE: This field appears on the G1 switch only.

3. After you enter the Processor Interface data module information, press **(ENTER)** to save the information.
- The system returns to the command prompt.
4. Continue with the next procedure, [“Assign the Interface Link”](#).

Assign the Interface Link

You must perform this task for all Intuity AUDIX system connections.

The interface link provides a physical interface between the System 75 or DEFINITY G1 switch and the Intuity AUDIX system. In this procedure, you change the Interface Links screen to add the Processor Interface data module assigned in the previous task. The Interface Links screen allows you to identify, describe, and enable the interface link.

**CAUTION:**
Perform this procedure during off-hours only. This step causes an interface reset which affects all other links that may be made to the switch that is, the Distributed Communications System (DCS), Applications Processor (AP), and Call Management System (CMS).

Use the following procedure to assign the interface link:

1. Enter **change communication-interface links** at the enter command prompt on the SAT.

The system displays the Interface Links screen ([Figure 3-6](#)).

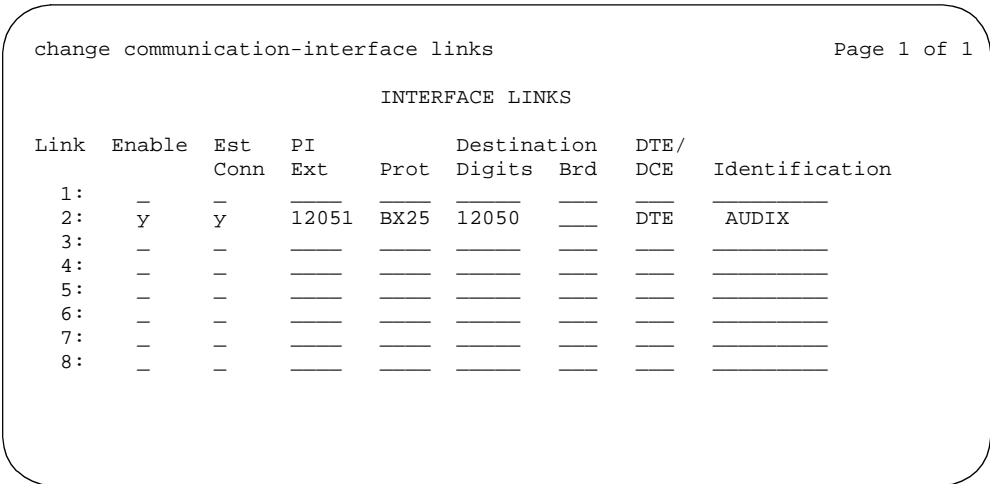


Figure 3-6. Sample G1 Interface Links Screen

2. Use [Table 3-13](#) to enter the correct values in the fields on the Interface Links screen.

Table 3-13. Interface Links Screen Entries

Table 3-14.

Field	Description and Instructions
Link	This is a display-only field that indicates the physical interface link number for the PI card or SCI interface card link that connects to the Intuity AUDIX system. Use 1– 4 for a System 75 switch and a single-carrier G1. Use 1–8 for a multi-carrier G1 switch. Choose the link number you entered in the <code>Physical Channel:</code> field on the Processor Interface Data Module screen (Figure 3-5).
Enabled (System 75) Enable (G1)	Enter y
Interface Extension (System 75) PI Ext (G1)	Enter the extension of the Processor Interface data module you assigned in the previous procedure, “Assign the Processor Interface Data Module” . The extension is listed on Worksheet D in Chapter 2 , “Switch Integration Planning” .
Prot (G1 only)	Enter BX25 , the protocol type that is to be established on the link.
Destination Number (System 75) Destination Digits (G1)	Enter the MPDM or DSU extension if an MPDM or DSU is used or enter eia if an IDI is used. If an IDI is used, the <code>Connected to:</code> field appears on the screen. Enter DCE in the <code>Connected to:</code> field.
Destination Brd (G1 only)	Leave this field blank.
DTE/DCE	Enter DTE
Identification	Enter AUDIX

3. After you enter the Interface Link information, press `(ENTER)` to save the information.

The system returns to the enter command prompt.
4. Continue with the next procedure, [“Assign the Processor Channel”](#).

Assign the Processor Channel

You must perform this task for all Intuity AUDIX system connections.

After you assign the data module, you must assign a processor channel for the Intuity AUDIX system connection on the Processor Channel Assignment screen. Channel 59 is reserved for the Intuity AUDIX system or AUDIX system. As you complete the procedure in this section, see [Worksheet D](#), in [Chapter 2, "Switch Integration Planning"](#).

Use the following procedure to assign the processor channel:

- 1. Enter **change communication-interface processor-channels** at the command prompt on the SAT.

The system displays the Processor Channel Assignment screen ([Figure 3-7](#)).

change communication-interface processor-channels

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PROCESSOR CHANNEL ASSIGNMENT						
Proc Chan	Appl.	Interface Link	Chan	Priority	Remote Proc Chan	Machine-ID
49:	_____	-	___	_____	___	___
50:	_____	-	___	_____	___	___
51:	_____	-	___	_____	___	___
52:	_____	-	___	_____	___	___
53:	_____	-	___	_____	___	___
54:	_____	-	___	_____	___	___
55:	_____	-	___	_____	___	___
56:	_____	-	___	_____	___	___
57:	_____	-	___	_____	___	___
58:	_____	-	___	_____	___	___
59:	AUDIX	2	1	h	1	1
60:	_____	-	___	_____	___	___
61:	_____	-	___	_____	___	___
62:	_____	-	___	_____	___	___
63:	_____	-	___	_____	___	___
64:	_____	-	___	_____	___	___

Figure 3-7. Sample G1 Processor Channel Assignment Screen

2. Use [Table 3-15](#) to enter the correct values in the fields on the Processor Channel Assignments screen.

Table 3-15. Processor Channel Assignment Screen Entries

Field	Description and Instructions
Proc Chan	This is a display-only field used to number each of the 64 processor channels. Channel 59 is reserved for the Intuity AUDIX system or an AUDIX system.
Appl.	Enter AUDIX to identify the channel application.
Interface Link	Enter the physical channel you entered on the Processor Interface Data Module screen (Figure 3-5). See Worksheet D in Chapter 2, “Switch Integration Planning” , for the correct channel number.
Interface Channel	Enter the logical channel number of the interface link. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the correct interface channel number. The number is the node number of the switch.
Priority	Enter h to indicate a high-priority channel.
Remote Proc Chan	Enter the logical channel number of the interface link. See Worksheet D in Chapter 2, “Switch Integration Planning” , for the correct remote processor channel number. The number is the node number of the switch.
Machine-ID	Enter the Machine-ID of the Intuity AUDIX system. If the Intuity AUDIX system does <i>not</i> serve several switches in a DCS, this number is typically 1. The Machine ID must agree with the AUDIX field entry on the Avaya INTUITY Switch Interface Administration screen.

3. After you enter the processor channel information, press **(ENTER)** to save the information.
- The system returns to the enter command prompt.
4. [Table 3-16](#) shows the field correlations between the System 75/G1 Processor Channel Assignment screen and the Avaya INTUITY system Switch Interface Administration screen. Compare these two screens and ensure that the field entries match what is specified in the table.

Table 3-16. Avaya INTUITY System Information Comparisons

Table 3-17.

System 75/G1 Processor Channel Assignment Screen Field	Avaya INTUITY Switch Interface Administration Screen Field
Interface Channel Remote Port	Logical Channel
Local Port	Switch Port
Machine-ID	AUDIX

5. Continue with the next procedure, [“Verify the Link”](#).

Verify the Link

This procedure verifies that the switch-to-Intuity AUDIX system link is operational. Before the link can be operational, you must assign the link at the Intuity AUDIX system. Perform this procedure after completing the switch administration and after the Intuity AUDIX system has been installed and administered. If the Intuity AUDIX system link is not up in 5 minutes, use the System 75/G1 maintenance book and the following procedure to diagnose the Intuity AUDIX system link.

1. Check the time and date on the switch. If the time and date are not correct, enter **set time** to correct them.
2. Enter **status link 1-8** to verify that the Processor Interface (TN765) can establish a connection.

The system displays the SCI Link Status screen.

3. Verify the connection, by ensuring that the `Link Status` field contains the value *in-service*.



NOTE:

If the connection uses an MPDM / 7400D, use the command **status data module MPDM extension**.

4. Enter **status processor-channel 59**

The system displays the Processor-Channel Status screen.

The status of the channel should be 6.

5. Repeat Step 4. The status should change to 4.
6. Repeat Step 4. The status should change back to 3.
7. Repeat Step 4 one more time. The status should change to 6. If the status does not change to 6, perform the following Steps a through c:
 - a. Continue to enter the status command until the status changes to 6.

- b. If the status never changes to 6, enter **test link *physical channel*** where `physical channel` is the channel assigned on the Interface Link screen.
 - c. Type **1 long** at the end of the command line.
 - If the test fails, follow the procedures in the switch maintenance book.
 - If the test passes and the link status does not display on the screen, call your remote service center.
8. Enter **status link 1-8** and check the `Local/Remote Processor Channel` field to verify that the Intuity AUDIX system link has been established.
9. Clear any Intuity AUDIX system alarms and call the Intuity AUDIX system hunt group extension to verify that the Intuity AUDIX system answers.

You have completed the tasks required to administer the System 75 or DEFINITY G1 switch for integration with an Intuity AUDIX system. Select one of the following options:

- If you need to perform additional switch administration for optional features on the Intuity AUDIX system, continue with [Chapter 10, "Optional Switch Administration for Intuity AUDIX System Features"](#).
- If you do not need to perform additional switch administration, complete the remaining Intuity AUDIX installation tasks: