Switch Administration

3

Overview

This chapter describes how to administer for an INTUITY™ AUDIX® system on a Generic 2 or System 85 switch. See INTUITY Digital Networking 585-310-567 for information on administering the switch for INTUITY AUDIX Digital Networking.

For information about what equipment is required on the Generic 2 or System 85 switch to work with the INTUITY AUDIX system, see the "Concepts and Features" section in either of the following INTUITY Messaging Solutions Release 5 CDs:

- *INTUITY Messaging Solutions Release 5 Documentation*, 585-313-803, Issue 3
- *INTUITY Messaging Solutions Release 5 Documentation for Technicians*, 585-313-807, Issue 3

Purpose

This chapter contains step-by-step procedures to administer a Lucent INTUITY system on a Generic 2 or System 85 switch. You assign voice ports and the INTUITY AUDIX system ACD split, assign a data link, and then assign switch features for INTUITY AUDIX system subscribers.

The following sections are presented in Maintenance and Administration Panel (MAAP) format. Manager II™, in its simplest form, emulates the operations of the MAAP.

DEFINITY® Manager III™ and Manager IV™ are covered in their own documentation sets. See the appropriate manual for more information on administering systems using Manager III or Manager IV:

- *DEFINITY Manager III Operations*, 585-222-701
- *DEFINITY Manager IV Facilities Management Operations*, 585-223-702
- *DEFINITY Manager IV Terminal Change Management Operations*, 585-223-701
- *DEFINITY Manager IV System Administration*, 585-223-700

Assign Voice Ports and the INTUITY AUDIX System ACD Split

This section provides information about Call Vectoring and procedures to assign:

- A new class of service (COS) to the extension numbers
- The extension numbers to each voice port
- The Automatic Call Distribution (ACD) split

In the following procedures, you will identify each INTUITY AUDIX system voice port as a member of one or more call distribution groups (hunt groups). This group (split) is a set of analog port boards on the switch that connects subscribers and users to the INTUITY AUDIX system by distributing new calls to idle ports. System 85 R2V4 and Generic 2 switches use ACD for call distribution. See the appropriate switch documentation for more information about call distribution groups.

Call Vectoring

A Generic 2 or System 85 R2V4 switch may be set up with either a regular ACD split or with ACD Call Vectoring. Call Vectoring uses a vector (switch program) that makes it possible to customize the behavior of specific incoming calls. For example, a vector can be programmed to provide automatic INTUITY AUDIX system night coverage for calls that would otherwise be redirected to an unstaffed Message Center split.

If your switch uses Call Vectoring, do *not* enter an INTUITY AUDIX system ACD extension for the queue directory number (QDN) in Procedure 026, Word 2. Instead, assign the INTUITY AUDIX system a Vector Directory Number (VDN). This is the number subscribers dial to access the INTUITY AUDIX system directly. Tie the VDN to a vector using Procedure 031, Word 1; the vector processes and directs calls to the INTUITY AUDIX system ACD split. The split itself does not have an externally accessible number.

Table 3-1 below is an overview of the procedures that are explained in detail in the following text.

Table 3-1. Voice Port and ACD Split Procedure Overview

Step	Procedure	Field	Manager II Field Name	Enter	Press
1	Set Modes	None	Maintenance, Administration, Tape	M 1 2 3	
2	010 Word 1	1	Class of Service	COS	
		14	Conference 3-Party/Transfer	1	
		15	Touch-Tone Dialing	1	
		20	ACD Member	1	Change
3	010 Word 3	18	Origination	0	
		23	FRL	[0-7[1]]	Change
4	000 Word 1	1	Extension or VDN	ext #	
		2–6	Module, Cabinet, Carrier, Slot, Circuit	equip loc	
		7	Class of Service	COS	
		8	Port Type	1	Add
5	000 Word 2	1	Extension	ext #	
		10	LWC Destination	machine #	Add
6	000 Word 3	1	Extension	extension	
		5	Bearer Capability Class of Service	0	Add
7	100 Word 1	1	Trunk Group	trk grp #	
		6	Trunk Type	6	
		11	Personal CO Line Appearance	0	Add

Continued on next page

Table 3-1. Voice Port and ACD Split Procedure Overview — *Continued*

Step	Procedure	Field	Manager II Field Name	Enter	Press
8	026 Word 1	1	ACD Split	split #	
		2	Split Size	# of INTUITY AUDIX system ports in one of these increments — 16,32,48,64	
		4	Queuing Trunk Group	trk grp #	
		8	Inflow Level	0	
		9	Hunt Type	0	
		10	Split Type	2	
		11	Machine Number	machine #	Add
9	001 Word 1	1	Primary Extension	ext #	
		2	Associated Extension	INTUITY AUDIX system ext # (used if vectoring not used)	Add
10	026 Word 2	1	ACD Split	split #	
		2	Supervisory Extension	ext #	
		3	Queue Directory Number	INTUITY AUDIX system ext # (leave blank if vectoring used)	Add
11	026 Word 3	1	ACD Split	split #	
		2	Member	0 - 63	Next Data
		3	Member Extension	ext # for split mbr 0	Add

1. FRL should match the Call Control FRL. Check Proc275, Word 3, Field 10. If the FRL is 0 and AMIS and outcalling are to be used, the Call Control FRL may need to be increased.

Set Modes for Administration Changes

Set the mode of the administration tool to the maintenance, administration, and tape modes. To do this, press M and enter **1 2 3**.

Assign a New Class of Service (COS) to Extension Numbers

Assign a class of service (COS) (1–63) to every extension assigned to the INTUITY AUDIX system. A COS specifies the features a voice terminal subscriber is allowed to access and the calling restrictions that apply to the voice terminal.

010 Word 1

Administer the features assigned to a station line COS.

Field	Manager II Field Name	Enter
1	Class of Service	[COS][1]
14	Conference 3-Party/Transfer	1
15	Touch-Tone Dialing	1
20	ACD Member	1

1. From Worksheet A: General Voice Port Information.

Press CHANGE and EXECUTE.

010 Word 3

Administer the restrictions that are applicable to a COS.

Field	Manager II Field Name	Enter
18	Origination	0
23	FRL	1

1. Verify that this field equals Procedure 275, Word 3, Field 10.

Press CHANGE and EXECUTE.

Assign Extension Numbers to Each Voice Port

000 Word 1

Assign an extension number to each voice port using the COS from Procedure 010, Word 1, Field 1.

Field	Manager II Field Name	Enter
1	Extension	[extension][1]
2-6	Module, Cabinet, Carrier, Slot, Circuit	[2]
7	Class of Service	[COS][3]
8	Port Type	1

1. From Worksheet B: Voice Port Extensions and Names
2. Enter the equipment location of the switch line circuit wired to the INTUITY AUDIX system voice port 1.
3. Enter the new COS from Procedure 010, Word 1, Field 1.

Press ADD and EXECUTE.

Repeat Procedure 000, Word 1 for the other voice port extension numbers.

000 Word 2

Administer the hunt-to extensions and controlled-restriction groups associated with an extension.

Field	Manager II Field Name	Enter
1	Extension	[extension][1]
10	LWC Destination	[INTUITY AUDIX system machine #][2]

1. Enter the extension number assigned to the INTUITY AUDIX system voice port number 1.
2. This is usually 1.

Press ADD and EXECUTE.

Repeat Procedure 000 Word 2 for the other voice port extension numbers.

000 Word 3

Administer the bearer capability class of service for each voice port.

Field	Manager II Field Name	Enter
1	Extension	[extension][1]
5	Bearer Capability Class of Service	0

1. Enter the extension number assigned to the INTUITY AUDIX system voice port number 1.

Press ADD and EXECUTE.

Repeat Procedure 000 Word 3 for the other voice port extension numbers.

Assign the INTUITY AUDIX Split

100 Word 1

Assign the Trunk Group and the Trunk Type to trunk groups.

Field	Manager II Field Name	Enter
1	Trunk Group	[trunk group #][1]
6	Trunk Type	6
8	Personal CO Line Appearance	0

1. From Worksheet C: Assign the INTUITY AUDIX Split.

Press ADD and EXECUTE.

026 Word 1

Administer the split characteristics for the ACD feature.

Field	Manager II Field Name	Enter
1	ACD Split	[split #][1]
2	Split Size	[number of ports in one of these increments: 16,32,48, 64]
4	Queuing Trunk Group	[queue trunk group #][1]
8	Inflow Level	0[2]
9	Hunt Type	0 or 2
10	Split Type	2
11	Machine Number	[INTUITY AUDIX system machine #][1], [3]

1. From Worksheet C: Assign the INTUITY AUDIX Split.
2. If Call Vectoring is used, put a dash in this field.
3. Use the same number when assigning the data link with Proc 256 Word 1. You can only enter this number in multiples of 16.

NOTE:
You can only enter this number in multiples of 16.

Press ADD and EXECUTE.

001 Word 1

Administer the extensions associated with existing extensions. These associated extensions provide access to ACD splits unless your system uses vectoring.

NOTE:
Do *not* assign an extension that was assigned already in Procedure 000, Word 1.

The INTUITY AUDIX system associated extension should be a Direct Inward Dialing (DID) type so outside subscribers can reach the INTUITY AUDIX system.

Administer this procedure before going to Procedure 026, Word 2.

Field	Manager II Field Name	Enter
1	Primary Extension	[extension][1]
2	Associated Extension	[extension][2]

1. Enter the extension number assigned to the INTUITY AUDIX system split member 0 (the INTUITY AUDIX system voice port number 1). From Worksheet B: Voice Port Extensions and Names
2. Enter the number dialed by the INTUITY AUDIX system subscribers to access the INTUITY AUDIX system. From Worksheet C: Assign the INTUITY AUDIX Split. Do not enter if vectoring is used.

Press ADD and EXECUTE.

If your switch has been previously assigned, error code 12 may display when the associated extension number is assigned already as an extension number. Remove this extension as a primary extension number by doing the following:

1. Go to Procedure 000, Word 1.
    a. Set Field 1 (Extension or VDN) to the primary extension number.
    b. Press DISPLAY, EXECUTE, REMOVE, and EXECUTE.
2. Go to Procedure 003, Word 1.
    a. Set Field 1 (Extension) to the [primary extension #].
    b. Press DISPLAY and EXECUTE.
    c. Set Field 2 (Days Remaining in Recent Disconnect) to 0
3. Press CHANGE and EXECUTE.

026 Word 2

Administer the ACD split supervisor and QDN.

NOTE:
If you are using the Call Management System (CMS) to administer splits, busy out the CMS before doing the following procedure.

Field	Manager II Field Name	Enter
1	ACD Split	[INTUITY AUDIX system split #][1]
2	Supervisory Extension	[2]
3	Queue Directory Number	[INTUITY AUDIX system extension][3]
5	Multiple Call Handling	-
6	Auto Available	- (do not activate)

1. From Worksheet C: Assign the INTUITY AUDIX Split
2. Enter the extension number assigned to the INTUITY AUDIX system split member 0 (the INTUITY AUDIX system voice port number 1). From Worksheet B: Voice Port Extensions and Names
3. From Worksheet C: Assign the INTUITY AUDIX Split. If you use Call Vectoring to process calls to the INTUITY AUDIX system ACD, leave this field dashed.

Press ADD and EXECUTE.

After administering this procedure, do the following if you have the vectoring feature:

1. If the switch has a CMS, busy it out (Procedure 028 Word 2).
2. Assign a vector (Procedure 030 Word 3).

NOTE:
These steps are easier to do in the CMS.

026 Word 3

Administer the ACD split member characteristics.

Field	Manager II Field Name	Enter
1	ACD Split	[INTUITY AUDIX system split #]
2	Member	1
3	Member Extension	[extension number of split member 1]

Press ADD and EXECUTE after each entry.

Repeat Fields 2 and 3 to add the other members of the INTUITY AUDIX system split.

NOTE:
Error code 88 is displayed when the member extension number is not assigned to the INTUITY AUDIX system machine number in Procedure 000 Word 2, Field 9. Assign a machine number first.

Assign a Data Link

The data link is the connection from the INTUITY system cabinet to the switch Data Communications Interface Unit (DCIU) that enables nonvoice (data) messages to pass between the INTUITY AUDIX system and the switch. A Generic 2 or System 85 switch requires one link on a DCIU to be administered for the INTUITY AUDIX system.

This section describes how to busy out the DCIU, assign the link, administer the switch maintenance port, release-busy the DCIU, test the DCIU links, and check the system clocks.

Table 3-2. Data Link Procedure Overview

Step	Procedure	Field	Manager II Field Name	Enter	Press
1	275 Word 1	15	Tandem Tie Trunk	1	
		16	Trunk-Trunk Calling	1	
		17	DCIU	1	Change
2	275 Word 3	8	Local Switch Number	record #	
		10	Call control FRL	record #	Change

Continued on next page

Table 3-2. Data Link Procedure Overview — *Continued*

Step	Procedure	Field	Manager II Field Name	Enter	Press
3	258 Word 1	2	Configuration	0	Display[1]
4	256 Word 1	1	Link	link #	Display
		2	Assigned	1	
		3	Baud	6	
		4	Local DTE/DCE	0	
		5	Dial-Up	0	
		6	Protocol	1	
		7	Destination Machine Type	3	
		8	Destination Machine Number	machine #[2]	Change
5	256 Word 2	1	Link	link #	
		2	Retransmission Timer	1	
		3	Idle Timer	10	
		4	Maximum Retransmissions	2	
		5	Maximum Unacknowledged Frames	7	Change
6	256 Word 3	1	Link	link #	
		2	Activity Timer	180	
		3	Acknowledge Timer	20	
		4	Interrupt Timer	180	
		5	Reset Timer	8	
		6	Restart Timer	8	
		10	Maximum Unacknowledged Packets	4	Change
7	257 Word 5[3]	1	Port Number	local port # (59,60,61, and 62 are preferred)	
		2	Application Type	13	
		3	Instance Number	machine #	Add

Continued on next page

Table 3-2. Data Link Procedure Overview — *Continued*

Step	Procedure	Field	Manager II Field Name	Enter	Press
8	257 Word 2[4]	1	Local Port	local port # (59,60,61, and 62 are preferred)	
		2	Remote Port	remote port # (1 preferred)	Change
9	257 Word 1[5]	1	Chan A — Link (switch)	0	
		2	Chan A — Logical Channel (local port)	local port # (normally 59)	
		3	Chan B — Link (switch)	link # (normally 1)	
		4	Chan B — Logical channel (local port)	channel # (normally 1)	
		5	Priority	1	
		6	Alternate Routing Flag	0	
		7	Table Indicator	0	Add
10	258 Word 1	1	Reboot DCIU	1	
		2	Configuration	verify = 1	Change
11	258 Word 2	1	Copy Tables	1	Change
12	350 Word 2	1	Feature	58	Add
13	261 Word 1	1	Local Adjunct Class	2	
		2	Local Adjunct Number	machine #	
		3	Local Adjunct Type	3	
		5	N-digit Format	-	
		6	Message Scrolling	-	
		7	Network Adjunct Number	ntwk adj # (1-99)	Add

Continued on next page

Table 3-2. Data Link Procedure Overview — *Continued*

Step	Procedure	Field	Manager II Field Name	Enter	Press
14	261 Word 2	1	Network Adjunct Class	2	
		2	Network Adjunct Number	ntwk adj #	
		3	Adjunct Extension	INTUITY AUDIX system ext/VDN	Add

1. If Field 2 does not display 0, enter **1** in Field 1 and press CHANGE and EXECUTE to change field 2 to 0.
2. This number must match the machine number used when administering split characteristics in Proc 026 Word 1.
3. Maintenance ports should also be established with the values Field 1=6, Field 2=10, Field 3=1 and Field 1=20, Field 2=10, Field 3=2.
4. Maintenance ports should also be established with the values Field 1=6, Field 2=20.
5. Maintenance channels should have the values Field 1=0, Field 2=6, Field 3=0, and Field 4=20.

Verify DCIU and Record Switch Number

275 Word 1

Administer the system COS for the DCIU.

Field	Manager II Field Name	Enter
15	Tandem Tie Trunk	1
16	Trunk-Trunk Calling	1
17	DCIU	1

Press CHANGE and EXECUTE.

275 Word 3

Use this procedure to record the local switch number and check the Caller Response Interval and the Coverage Point Don't-Answer Interval.

Field	Manager II Field Name	Action
3	Caller Response Interval	1
4	Coverage Point DA Interval	2
8	Local Switch Number	Record this number (if dashed, record 1)
10	Call Control FRL	Record this number.

1. From Worksheet D: Assign the Data Link. Verify that this is set to the correct number of 2-sec intervals. This determines the delay in transfer to the next coverage point. This delay, which causes a period of silence between the final ring at the subscriber's voice terminal and the first ring at the first coverage point, should not be so long as to cause the calling party to feel that the call has been dropped.
2. From Worksheet D: Assign the Data Link. Verify that this is set to the correct number, 1-8, of ringing cycles. Local requirements determine the number of ringing cycles before the call continues to the next coverage point. This number must equal the Don't Answer Timing Interval number of ringing cycles specified in Proc 200 Word 1 Field 4. This number applies to ringing at the coverage points, not at the subscriber's voice terminal. The number of ringing cycles before coverage is determined on an individual group basis in Procedure 011, Word 1, Field 6.

Press CHANGE and EXECUTE.

258 Word 1

Use this procedure to ensure the scratch pad is unprotected.

Field	Manager II Field Name	Action
2	Configuration	Check that the number = 0[1]

1. If Field 2 does not display 0, enter 1 in Field 1 and press CHANGE and EXECUTE to change field 2 to 0.

Assign a Link

256 Word 1

Administer the characteristics to a DCIU link.

1. Set Field 1 (Link) to the [INTUITY AUDIX system link #].
2. Press DISPLAY and EXECUTE.

At this point, Field 2 should equal 0.

Field	Manager II Field Name	Enter
2	Link Assigned (the AUDIX link)	1 (assumed)
3	Baud Rate	6
4	Local DTE/DCE	0
5	Dial Up	0
6	Protocol	1
7	Destination Machine Type	3
8	Destination Machine Number	[INTUITY AUDIX system machine #][1]

1. From Worksheet C: Assign the INTUITY AUDIX Split.

Press CHANGE and EXECUTE.

256 Word 2

Administer the DCIU link BX.25 level-2 timers and counters.

Field	Manager II Field Name	Enter
1	Link (DCIU physical link)	[INTUITY AUDIX system link # (1-8)][1]
2	Retransmission Timer	1
3	Idle Timer	10
4	Maximum Retransmissions	2
5	Maximum Unacknowledged Frames	7

1. From Worksheet D: Assign the Data Link.

Press CHANGE and EXECUTE.

256 Word 3

Administer the DCIU link BX.25 level -3 timers and counters.

Field	Manager II Field Name	Enter
1	Link (DCIU physical link)	[INTUITY AUDIX system link # (1-8)][1]
2	Activity Timer	180
3	Acknowledgment Timer	20
4	Interrupt Timer	180
5	Reset Timer	8
6	Restart Timer	8
10	Maximum Unacknowledged Packets	4

1. From Worksheet D: Assign the Data Link.

Press CHANGE and EXECUTE.

257 Word 5

Administer port reservations for DCIU translations.

Field	Manager II Field Name	Enter
1	Port Number	[1]
2	Application Type	13
3	Instance Number	[INTUITY AUDIX system machine #]

1. From Worksheet D: Assign the Data Link. Enter the INTUITY AUDIX system local port number (same as assigned in Word 2). The recommended number should be 59, 60, 61, or 62.

Press CHANGE and EXECUTE.

Verify the following switch maintenance ports:

1. Set Field 1 to 6.
2. Press DISPLAY and EXECUTE.
3. Verify that Field 2 equals 10.
4. Verify that Field 3 equals 1.
5. Set Field 1 to 20.
6. Press DISPLAY and EXECUTE.
7. Verify that Field 2 equals 10.
8. Verify that Field 3 equals 2.

257 Word 2

Administer DCIU ports for the network channels.

Field	Manager II Field Name	Enter
1	Local Port (administered as the switch port on the INTUITY system)	59[1]
2	Remote Port (logical channel on the INTUITY system)	1

1. From Worksheet D: Assign the Data Link. Possible range is 1 to 62.

Press CHANGE and EXECUTE.

Verify the following switch maintenance ports:

1. Set Field 1 (Local Port) to 6.
2. Press DISPLAY and EXECUTE.
3. Verify that Field 2 (Remote Port) equals 20.
4. Set Field 2 (Remote Port) to 20.
5. Press DISPLAY and EXECUTE.
6. Verify that Field 2 (Remote Port) equals 6.

If these ports are unassigned, assign them as indicated. If they are assigned for some other purpose, call the Lucent Technical National Customer Care Center at 1-800-248-1234 to have them reassigned.

257 Word 1

Administer the components, priority, and alternate routing status of DCIU network channels.

Field	Manager II Field Name	Enter
1	Channel A — Link (switch)	0
2	Channel A — Logical Channel (local port)	[1]
3	Channel B — Link (switch)	[INTUITY AUDIX system link #, normally 1]
4	Channel B — Logical Channel (remote port)	[2]
5	Priority	1
6	Alternate Routing Flag	0
7	Table Indicator	0

1. From Worksheet D: Assign the Data Link. Enter the INTUITY AUDIX system switch port number (same as Word 2). Normally this number is 59.
2. From Worksheet D. Enter the channel number that matches the logical channel of the INTUITY system.

Press ADD and EXECUTE.

Verify the switch maintenance channel by doing the following:

1. Field 1 [Component A — Link (switch)] equals 0
2. Press NEXT-DATA until Field 2 equals 6.

   Field 3 [Component B — Link (switch)] should equal 0 and Field 4 [Component B — Logical Channel (local port)] should equal 20.

258 Word 1

Copy the scratch pad translation tables (temporary tables) to the DCIU machine-used tables. This is used after all DCIU translation changes have been made.

Field	Manager II Field Name	Enter
1	Reboot DCIU	1
2	Configuration	[1]

1. Verify that this field equals 1. (This verifies the old translations in the scratch pad tables are protected.)

Press CHANGE and EXECUTE.

NOTE:
ChanTran reboots all DCIU links.

NOTE:
The switch software will alarm a DCIU link that is translated but not in service. When the INTUITY AUDIX system end of the link comes up during the INTUITY AUDIX system testing, return to this procedure and reboot the DCIU.

258 Word 2

Copy the hardware table to the scratch pad table so they are equal. This procedure also opens the scratch-pad table.

Field	Manager II Field Name	Enter
1	Copy Tables	1

Press CHANGE and EXECUTE.

Administer and Call Transfer Into INTUITY AUDIX

350 Word 2

Administer the dial access codes (DACs).

Field	Manager II Field Name	Enter
1	Feature	58
2	1st digit	[0–9]
3	2nd digit	[0–9]
4	3rd digit	[0–9]
5	4th digit	[0–9]

Press ADD and EXECUTE.

261 Word 1

Administer the external adjunct message format.

Field	Manager II Field Name	Enter
1	Local Adjunct Class	2
2	Local Adjunct Number	INTUITY AUDIX system machine #[1]
3	Local Adjunct Type	3
4	Version Number	—
5	N-Digit Format	—
6	Message Scrolling	—
7	Network Adjunct Number	1-99

1. From Worksheet C: Assign the INTUITY AUDIX Split.

Press ADD and EXECUTE.

261 Word 2

Administer the external network adjunct extension.

Field	Manager II Field Name	Enter
1	Network Adjunct Class	2
2	Network Adjunct Number	[network adjunct #][1]
3	Adjunct Extension	[INTUITY AUDIX system extension or VDN][2]

1. From Worksheet D: Assign the Data Link. This is the same as Word 1, Field 7.
2. From Worksheet C: Assign the INTUITY AUDIX Split

Press ADD and EXECUTE.

Save New Translations

Perform a Run Tape to save the new translations.

If the system has a duplicated common control, the Run Tape operation will update both tapes.

Test DCIU Links

The following procedure is used to test DCIU links from the switch side. This should be performed by local switch maintenance personnel. The appropriate Generic 2 or System 85 maintenance manual describes the equipment and procedures required.

Two types of tests are possible on a per link basis:

- An internal, automatic loop-around test of the DCIU circuit packs.
- An external, manual loop-around test providing a more thorough test of the circuit packs.

Internal Loop Test

After entering Procedure 650, press NEXT^TEST twice [Field 1 (Test) equals 3].

1. Enter the link number in Field 6 (Data Link).
2. Press BUSY^OUT.
3. Wait for Error Code 80.
4. Press BUSY^OUT again [Field 8 (Alarm Status) equals 1].
5. Press EXECUTE (wait lamp is inactive for this test).
6. Press STOP after 8000 bits are sent.

External Loop Test

Set the data module for a loopback test:

- If a Data Service Unit (DSU) is used, press the [LL] button.

NOTE:
Lucent Technologies does not officially support the DSU connection

While still on Test 3 of Procedure 650:

1. Enter 1 in Field 7.
2. Press [EXECUTE]
3. Press [STOP] after 8000 bits are sent.
4. Press [RLS^BUSY^OUT].

If either of these tests fail, see the switch maintenance manual for procedures to correct the fault.