

DIMENSION® 600/2000 PBX  
BUSY OUT/RELEASE BUSY OUT TEST  
(PROC 560)

1. GENERAL

- 1.1 This section is issued in order to make available the information contained in the Administration and Maintenance Manual, 500-497, PROC 560.
- 1.2 The attachment provides test procedures for busying out and releasing busy out of lines, trunks, links, tone plants, time slot bus, and I/O ports.

ATTACHMENT

PROC 560 (7 pages)

Reason for Issue:  
New Section

Manager, Denver PBX PECC

PRIVATE

THE INFORMATION CONTAINED HEREIN SHOULD NOT BE DISCLOSED TO UNAUTHORIZED PERSONS. IT IS MEANT SOLELY FOR USE BY AUTHORIZED BELL SYSTEM EMPLOYEES.

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# PROCEDURE 560 - BUSY OUT/RELEASE BUSY OUT

PROC 560

## A. DESCRIPTION

Procedure 560 is called in when testing maintenance busy out or release busy out of lines, trunks, links and tone plants is required.

Procedure 560 displays both the total number of busied out circuits and the equipment location of each circuit of the current test type.

Six tests are available:

- Test 1 - Tests lines.
- Test 2 - Tests trunks.
- Test 3 - Tests links.
- Test 4 - Tests Tone plants.
- Test 5 - Tests time slot bus.
- Test 6 - Tests I/O ports.

<b>TEST NUMBERS (FLD 1):</b> 1-LINES 2-TRUNKS 3-LINKS 4-TONE PLANTS/AUX. TONE PLANTS 5-TIME SLOT BUS 6-I/O PORT	USE 'NEXT CIRCUIT' TO ADVANCE TO NEXT BUSIED OUT CIRCUIT. TO FIND MAINTENANCE BUSY AND IN USE STATUS OF A PARTICULAR CIRCUIT, ENTER EQUIPMENT LOCATION AND USE 'NEXT DATA'. 'NEXT DATA' MUST BE OPERATED BEFORE 'BUSY OUT'. USE 'BUSY OUT' OR 'RLS BUSY' TO CHANGE MTCE BUSY STATUS	TO RELEASE BUSY OUT ON ALL CIRCUITS IN A TEST USE 'CLEAR DATA', 'EXECUTE'. MAINTENANCE BUSY STATUS (FLD 12): 0-NOT BUSIED 1-BUSIED AUX. TONE PLANT SHOULD BE BUSIED WHEN ITS ASSOCIATED TONE PLANT IS BUSIED.	<b>SPECIAL ERROR CODE:</b> 81-BUS CAN NOT BE BUSIED OUT IN SINGLE BUS SYSTEM OR I/O PORT CANNOT BE BUSIED OUT.		
CAUTION: OPERATING 'BUSY OUT' FOR A LINE OR A TRUNK CAN DROP A CUSTOMER CALL.					
FLIPCHART ISSUE 5	○	○	PROC 560	○	○

FLIPCHART ISSUE 5	BUSY OUT/RELEASE BUSY OUT	○	○										
<b>T E S T  N O</b>	EQUIP LOC-BUSIED OUT CIRCUIT		EQUIP LOC-TERMINATING LINK				M T C E B U S Y	T O T A L N U M B E R O F C I R C U I T S B U S I E D O U T I N T H I S T E S T	D I S P L A Y E D B U S I E D O U T C I R C U I T I N D E X	P R O C  5 6 0			
	TESTS 1-4		TESTS 1-3,6		M O D U L E	C A B I N E T					C A R R I E R	S L O T	C I R C U I T
	TEST 5	C A B	TEST 4										
	M O D U L E	C A B	C A R R	S L O T	C K T	7					8	9	10

1.	0.	0.	2.	9.	1.	-	-	-	-	-	-	1.	9.	2.	-	-	560
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## B. FIELD DEFINITIONS AND CODES

Field	Code	Definition
1	1-6	Test number.
2	0-24	Module number.
3	0-4	Cabinet number.
4	0-4	Carrier number.
5	0-41	Slot number.
6	0-3	Circuit number.
7	0-24	Module number.
8	0-4	Cabinet member.

Field	Code	Definition
10	0-41	Slot number.
11	0-3	Circuit number.
12		Maintenance busy status:
	0	Not busied.
	1	Busied.
13	0-999	Number of circuits busied out in the current test.
14	1-999	Indicates which circuit, of a group of busied out circuits, is being displayed.

**C. TEST PROCEDURES**

A list of busy out/release busy out tests, what each one does, and how each is run follows:

*Call in Procedure 560:*

PROC NO.; 560; ENTER

Test 1 is automatically selected.

Depressing the NEXT TEST key repeatedly advances the procedure to the desired test.

**Test 1:**

Test 1 provides the maintenance busy out or release busy out status of line circuits. The status is displayed in fields 2 through 6 and 12 through 14.

To start the test, select Test 1 and depress the EXECUTE key. EXECUTE displays the first of the busied out line circuits on the MAAP as follows:

Field	Contents
2-6	Busied out line equipment location.
12	Busy out status.

Field	Contents
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Field 2 flashes indicating an optional entry field. Either the lines busied out can be displayed in order using the NEXT CIRCUIT key or another line circuit can be selected.

If the maintenance busy and IN USE status of another line circuit is to be displayed, selection can be made using the change field sequence and NEXT DATA key as follows:

CHANGE FIELD; 2; ENTER; (Module); ENTER; (Cabinet); ENTER; (Carrier); ENTER; (Slot); ENTER; (Circuit); ENTER; NEXT DATA

Depressing the NEXT CIRCUIT key displays the first busied line circuit. The fields displayed and contents are the same as when EXECUTE is depressed. Repeatedly depressing NEXT CIRCUIT displays each of the busied out line circuits. When all busied out line circuits have been displayed, depressing NEXT CIRCUIT dashes the display. Depressing NEXT CIRCUIT again, starts Test 1 over.

## C. TEST PROCEDURES (Contd)

**CAUTION**

Do not busy out a line or trunk that is not idle unless absolutely necessary.

To change the busy-out status of a displayed circuit use the BUSY OUT or RLS BUSY OUT key.

**NOTE**

The NEXT DATA key must be used before either the BUSY OUT or RLS BUSY OUT key can be used.

To release all the busied out line circuits, depress the CLEAR DATA; EXECUTE keys.

**Test 2:**

Test 2 provides the maintenance busy out status of trunk circuits. The status is displayed in fields 2 through 6 and 12 through 14.

To start the test, select Test 2 and depress the EXECUTE key. EXECUTE displays the first of the busied out trunk circuits on the MAAP as follows:

Field	Contents
2-6	Busied out trunk equipment location.
12	Busy out status.
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Test 2 operates the same as Test 1, except the busy status of trunk circuits is displayed.

**Test 3:**

Test 3 provides the maintenance busy out status of link circuits. The status is displayed in fields 2 through 14.

To start the test, select Test 3 and depress the EXECUTE key. EXECUTE displays the first of the busied out link circuits on the MAAP as follows:

Field	Contents
2-6	Busied out equipment location.
7-11	Terminating link equipment location.

C. TEST PROCEDURES (Contd)

Field	Contents
12	Busy out status.
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Test 3 operates the same as Test 1, except the busy status of link circuits is displayed.

**Test 4:**

Test 4 provides the maintenance busy out status of tone plant circuits. The status is displayed in fields 2, 3 and 12 through 14.

To start the test, select Test 4 and depress the EXECUTE key. EXECUTE displays the first of the busied out tone plants. Circuits on the MAAP as follows:

Field	Contents
2 and 3	Busied out tone plant module and cabinet location.
12	Busy out status.

Field	Contents
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Test 4 operates the same as Test 1, except the busy status of tone plant circuits is displayed.

**Test 5:**

Test 5 provides the maintenance busy out status of time slot bus circuits. The status is displayed in fields 2, 6 and 12 through 14.

**NOTE**

Only one time slot bus in a system can be busied out at any point in time. If there is a bus busied out and an attempt is made to busy out a different one error code 74 is displayed.

To start the test, select Test 5 and depress the EXECUTE key. EXECUTE displays the first of the busied out time slot bus circuits on the MAAP as follows:

## C. TEST PROCEDURES (Contd)

Field	Contents
2 and 6	Busied out time slot bus module and circuit.
12	Busy out status.
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Test 5 operates the same as Test 1, except the busy status of time slot bus circuits is displayed.

**Test 6:**

Test 6 provides the maintenance busy out status of I/O port circuits. The status is displayed in fields 4 through 6 and 12 through 14.

**NOTE**

Only I/O ports associated with certain system features can be busied out. If Test 6 is executed in a system not equipped for these features, code 74 is displayed.

To start the test, select Test 6 and depress the EXECUTE key. EXECUTE displays the first of the

busied out I/O port circuits on the MAAP as follows:

Field	Contents
4-6	Busied out I/O port carrier, slot and circuit location.
12	Busy out status.
13	Total number of busied out circuits in this test.
14	1, indicating first busied out circuit in the group.

Test 6 operates the same as Test 1, except the busy status of I/O port circuits is displayed.

## D. REPAIR GUIDE

When a busy out/release busy out failure is indicated, the following steps should be performed in the order shown to isolate and repair the faulty unit:

Step	Isolation Procedure
1.	Execute each test to determine which circuits are busied out.
2.	Release any that are to be restored to service.

D. REPAIR GUIDE (Contd)

**CAUTION**

Do not busy out a link or trunk that is not idle unless absolutely necessary.

When the IN USE indicator on the MAAP is lit, the displayed line, trunk, or link circuit is active on a connection. It is turned on with the

operation of the NEXT DATA key and will remain lit until the displayed circuit becomes idle or a control key, other than BUSY OUT or RLS BUSY OUT, is operated. Operation of BUSY OUT will busy a line or trunk circuit that is in use and will terminate the connection. It should be noted that in-use links cannot be busied out. If BUSY OUT is depressed for an in-use link, an error code of 08 is displayed.