

DIMENSION • 600/2000 PBX
CARRIER BUSY OUT
(PROC 564)

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 564.
- 1.2 The attachment provides procedures for displaying the location of busied out carriers and for busy out/release busy out of a carrier.

ATTACHMENT

PROC 564 (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 564 - CARRIER BUSY

PROC 564

A. DESCRIPTION

Procedure 564 should be used when it is necessary to busy out or release busy out carriers or circuits.

Procedure 564 is used to:

- Find carriers that are completely busied out, and display information pertinent to them.
- Find carriers that are partially busied out, and display information pertinent to them.

- Allow the busy out or release of a carrier.
- Allow the busy out or release of a circuit.

Three tests are available:

- Test 1 - Finds and displays completely or partially busied out carriers.
- Test 2 - Busies out or releases busied out carriers.
- Test 3 - Busies out or releases busied out circuits.

<p>TEST 1: FIND AND DISPLAY BUSIED OUT CARRIERS. USE 'NEXT UNIT' TO FIND NEXT CARRIER BUSIED OUT OR PARTIALLY BUSIED OUT. USE 'BUSY OUT' AND 'RLS BUSY OUT' TO BUSY OR RELEASE A CARRIER</p>	<p>TEST 2: BUSY OUT OR RELEASE BUSY OUT CARRIERS. USE 'NEXT UNIT' TO ADVANCE TO NEXT CARRIER. USE 'BUSY OUT' AND 'RLS BUSY OUT' TO BUSY OR RELEASE A CARRIER</p>	<p>TEST 3: BUSY OUT OR RELEASE BUSY OUT CIRCUITS. USE 'NEXT UNIT' TO ADVANCE TO NEXT CARRIER. USE 'NEXT CIRCUIT' TO ADVANCE TO NEXT CIRCUIT. USE 'BUSY OUT' AND 'RLS BUSY OUT' TO BUSY OR RELEASE A CIRCUIT.</p>	<p>CARR TYPE 1=LINE 2=TRUNK 3=LINK</p>	<p>MNT BUSY STATUS 0=NOT BUSIED OUT 1=BUSIED OUT 2=PARTIALLY BUSIED OUT 3=CARRIER</p>
<p>CAUTION: OPERATING 'BUSY OUT' CAN DROP A CUSTOMER CALL.</p>				
<p>FLIPCHART ISSUE 5</p>		<p>PROC 564</p>		

<p>FLIPCHART ISSUE 5</p>		<p>CARRIER BUSY</p>										<p>PROC 564</p>		
<p>TEST</p>	<p>EQUIPMENT LOCATION</p>						<p>MNT STAT</p>	<p>TOTAL MODULES IN SYSTEM</p>	<p>TOTAL CARRIERS</p>	<p>TOTAL CARRIERS</p>	<p>TOTAL CIRCUITS IN CARR</p>	<p>TOTAL CIRCUITS BUSIED IN CARR</p>	<p>TOTAL CARRIERS WITH BUSY CIRCUITS</p>	<p>PROC 564</p>
	<p>TEST 3</p>													
	<p>TEST 2</p>			<p>CT YR PRE</p>										
	MODULE	CAB	CARR		SLOT	CKT								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

1.	9.	0.	1.	13.	0.	2.	1.	-	24.	4.	4.	28.	21.	1	1	1.	-	-	564
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FIELD

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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B. FIELD DEFINITIONS AND CODES

Field	Code	Definition
1	1-3	Test number.
2	0-24	Module number.
3	0-4	Cabinet number.
4	0-4	Carrier number.
5	0-28	Slot number.
6	0-3	Circuit number.
7		Carrier type:
	0	Unequipped.
	1	Line.
	2	Trunk.
	3	Link.
8*		Maintenance busy status:

Field	Code	Definition
8* (Contd)	0	Not busied out.
	1	Busied out.
	2	Partially busied out carrier.
9	0-24	Total modules in system.
10	1-5	Total cabinets in module.
11	1-5	Total carriers in cabinet.
12	1-28	Total circuits in carrier.
13	1-28	Total circuits busied out in carrier.
14	1-625	Total carriers with busy circuits.
* In Test 3, the maintenance busy status refers to the circuit not the carrier.		

C. TEST PROCEDURES

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

Call in Procedure 564:

PROC NO; 564; ENTER

Test 1 is automatically selected.

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

Test 1:

Test 1 is used to find a carrier that is completely or partially busied out. The first carrier that is completely busied out is saved as a default carrier for Tests 2 and 3.

When Test 1 is called in, all fields are dashed except the test number field.

CAUTION

After the entire system is searched for busy carriers and the display is dashed, depressing the RLS BUSY OUT key causes error code 10 to be displayed.

To start the test, depress the EXECUTE key. EXECUTE starts the search for a carrier that is busied out or partially busied out (WAIT indicator turns on). The MAAP display is updated with the following information:

Field	Contents
2-4	Equipment location.
7	Carrier type.
8	Maintenance busy status.
12,13	Total unit information.

Depressing the EXECUTE key again with the WAIT lamp off restarts the test and the search. Restarting the test restarts the count of total carriers with busy circuits.

Depressing the NEXT UNIT key after a busied out carrier has been displayed, finds the next carrier that is busied out or partially busied out. The next carrier that is completely busied out is then saved and used as the default carrier.

NOTE

The maintenance busy status of tone plants cannot be changed using this procedure. Procedure 560 must be used.

C. TEST PROCEDURES (Contd)

Depressing the BUSY OUT or RLS BUSY OUT key busies out or releases from busy out the displayed carrier, respectively. If the carrier partially busied out, the BUSY OUT key busies out the rest of the circuits in the carrier.

The RLS BUSY OUT key releases all busied out circuits in a carrier or those that are busied in a partially busied out carrier.

When a carrier is busied out the total carriers with busy circuits field is updated.

If in Test 1 or 2 an attempt is made to busy out a link carrier that contains in-use links, the WAIT indicator stays on. The links will then be busied out as they become idle and the MAAP display will be updated accordingly. The STOP key can be used at any time to stop this process.

If the default carrier is released from busy out, there is no default carrier for Test 2 or Test 3, until another completely busied carrier is found.

The WAIT indicator turns on after the depression of the EXECUTE, NEXT UNIT, BUSY OUT, or RLS BUSY OUT key-WAIT is turned off after carrier status is found, next carrier is found, carrier is busied out or the carrier is released from busy out, respectively.

When the last busied out carrier in the system has been displayed, depressing the NEXT UNIT key dashes all fields except the test number field. Depressing NEXT UNIT again causes Test 1 to be executed, starting the sequence over with the first equipped carrier. Restarting the test restarts the count of the total carriers with busy circuits (field 14).

Test 2:

Test 2 is used to busy out or release busy out a carrier.

Test 2 can be initialized in two ways:

1. If no default (from Test 1) is displayed, field 2 is blanked and the decimal point in that field is flashed, indicating a mandatory entry field. To run Test 2, an equipment location must be entered in fields 2, 3 and 4; eg:

(Module); ENTER; (Cabinet); ENTER; (Carrier);
ENTER
2. If a default is displayed, either the default can be used or another carrier can be selected by entering its location in fields 2, 3 and 4.

C. TEST PROCEDURES (Contd)

To start the test, depress the EXECUTE key. EXECUTE displays the status of the equipment location displayed on the MAAP:

Field	Contents
2-4	Equipment location.
7	Carrier type.
8	Maintenance busy status.
9-14	Total unit information.

NOTE

Error codes resulting from incorrect key usage are as described for Test 1.

Depressing the NEXT UNIT key finds the next equipped carrier in the system and updates the display accordingly.

Refer to Test 1 for operation of the BUSY OUT and RLS BUSY OUT keys.

If the EXECUTE key is depressed after its initial use and the WAIT indicator is off, the status of the displayed equipment location is recomputed and displayed.

If the default carrier from Test 1 is released

from busy out, it will not be used as the default carrier when the NEXT TEST key is used.

The WAIT indicator turns on after the carrier status is found, next carrier is found, carrier is busied out, or the carrier is released from busy out.

When the last carrier in the system has been displayed depressing NEXT UNIT key dashes all fields except the test number field. Depressing NEXT UNIT again causes Test 2 to be executed, starting the sequence over with the first equipped carrier. Restarting the test restarts the count of the Total Carriers With Busy Circuits (field 14).

Test 3:

Test 3 is used to busy out or release busy out a circuit.

Test 3 can be initialized in two ways:

1. If no default (from Test 1) is displayed, field 2 is blanked and the decimal point in that field is flashed. To run Test 3, an equipment location must be entered in fields 2 through 6; eg:

(Module); ENTER; (Cabinet); ENTER; (Carrier); ENTER; (Slot); ENTER; (Circuit); ENTER

C. TEST PROCEDURES (Contd)

2. If default is displayed, either the default can be used or another circuit can be selected by entering its equipment location in fields 2 through 6.

To start the test, depress the EXECUTE key. EXECUTE provides the status of the equipment location displayed:

Field	Contents
2-6	Equipment location.
7	Carrier type.
8	Maintenance busy status.
9-14	Total Unit information.

NOTE

Error codes resulting from incorrect key usage are as described for Test 1.

Depressing the NEXT CIRCUIT key advances the test to the next equipped circuit in the carrier displayed and updates the MAAP display with its status.

Depressing the NEXT UNIT key advances the test to the next equipped circuit in the next equipment

carrier and updates the MAAP display with its status.

Depressing the BUSY OUT or RLS BUSY OUT key busies out or releases from busy out, respectively, the the displayed circuit. The MAAP display is updated with maintenance busy status (field 8) and total circuits busied in carrier status (field 13).

If the EXECUTE key is depressed after its initial use and the WAIT indicator is off, the status of the displayed equipment location is recomputed and displayed.

If the default carrier from Test 1 is released from busy out by releasing its circuits from busy out, it will not be used as the default carrier when the NEXT TEST key is used.

If a carrier is released from busy out or busied out, the total carriers with busy circuits field will be updated.

The WAIT indicator turns on after the use of the EXECUTE, NEXT UNIT, NEXT CIRCUIT, BUSY OUT, or RLS BUSY OUT keys.

WAIT is turned off after the status for the carrier is found, next carrier is found, next circuit is found, circuit is busied out, or circuit released from busy out, respectively.

C. TEST PROCEDURES (Contd)

When the last circuit in the last carrier in the system has been displayed, depressing NEXT UNIT dashes all fields except the test number field. Depressing NEXT UNIT again, causes the first equipped carrier and, the first equipped circuit in that carrier to be found and displayed.

D. REPAIR GUIDE

When it becomes necessary to deal with the maintenance busy status of a carrier or its associated circuits, the following steps should be performed in the order shown:

Step Isolation Procedure

1. Use Test 1 to find carriers that are partially or completely busied out. The carrier can then be released from busy out or completely busied out. Test 1 is useful for returning a cabinet to service after a total cabinet outage.

Step Isolation Procedure

2. Use Test 2 to step through all carriers and selectively busy out or release from busy out carriers. Test 2 is useful for busying out a carrier or cabinet when making a repair that will affect the entire carrier or cabinet.
3. Use Test 3 to step through circuits in a carrier and selectively busy out or release from busy out individual circuits.

CAUTION

If a trunk or line that is up on a connection is busied out, the connection will be dropped.

This procedure should only be used during times when there is no traffic.