

DIMENSION® 600/2000 PBX
NETWORK OTHER - 515 ALARM CAUSES
(PROC 515)

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 515.
- 1.2 The attachment provides a procedure which can be used to isolate the cause(s) of the NETWORK OTHER - 515 alarm being turned on.

ATTACHMENT

PROC 515 (4 pages)

Reason for Issue:
Update

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 515 - ALARM CAUSE

PROC 515

A. DESCRIPTION

Procedure 515 should be used when the NETWORK OTHER-515 indicator on the Alarm Panel is turned on.

Procedure 515 is used to:

- Display the single or multiple causes that turned on the NETWORK OTHER-515 indicator.

- Clear all the fault indicators in the off-line common control or clear the fault indicators when a repair has been made that affects many fault indicators (see paragraph on "Clearing Alarms" under C. TEST PROCEDURES).

GENERAL ALARM CAUSE ENCODES: 0=NO FAILURE, 1=FAILURE MULTIPLE ALARM CAUSE FAILURE ENCODES:				FIELD 21 PROC 521 1-PROCESSOR CHANNEL 2-PROCESSOR CAN'T SWITCH 3=1 & 2				NOTES: 1. ALARM CAUSES ARE REFRESHED AND DISPLAYED EVERY 1/4 SECOND. 2. THE REFERENCED PROC NUMBER IS CALLED TO CLEAR THIS ALARM CAUSE.	
FIELD 7		FIELD 8		FIELD 9		FIELD 21			
1-BUS TEST	1-SR TEST	5=1 & 4	1-MTCE CKT	5=1 & 4	1-PROCESSOR CHANNEL				
2-RETRY	2-CONTROL	6=2 & 4	2-AMPLR & BUS SEL SW	6=2 & 4	2-PROCESSOR CAN'T SWITCH				
3=1 & 2	3=1 & 2	7=1,2 & 4	3=1 & 2	7=1,2 & 4	3=1 & 2				
	4-CLOCK		4-AMPLR CABLES	8=PORT XMIT SW					
CAUTION: RESTRICT USE OF 'CLEAR DATA', 'EXECUTE' TO CLEARING NETWORK FAULT INDICATORS IN THE OFFLINE COMMON CONTROL									
FLIPCHART ISSUE 5			PROC 515						

FLIPCHART ISSUE 5		ALARM CAUSE																		PROC 515	
CONTROL		NETWORK										OTHER 515									
T A P E	CC I/O	O T V E M P	F U S E	P O W E R	N E T I/O	S C A N	N E T	P A M	T O N E	C N S L	L I N K	T T	T R K	A N I	U N U S E D	U N U S E D	U N U S E D	TOTAL OTHER ALARM CAUSES	REFER TO PROCEDURE		ALARM CAUSE ENCODE
500 1	501 2	502 3	503 4	504 5	505 6	506 7	507 8	508 9	509 10	510 11	511 12	512 13	513 14	514 15	16	17	18	19	20	21	

0.0.0.0.0.1.0.5.0.0.0.0.0.0.0.-.-.- 2.521.2. 515

FIELD 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

B. FIELD DEFINITIONS AND CODES

Field	Code	Definition
1-6	0	No failure.
	1	Failure.
7	0	No failure.
	1	Bus test failure.
	2	Retry failure.
	3	Encodes 1 and 2.
8	0	No failure.
	1	Shift register test failure.
	2	Control failure.
	3	Encodes 1 and 2.
	4	Clock failure.
	5	Encodes 1 and 4.
	6	Encodes 2 and 4.
	7	Encodes 1, 2 and 4.

Field	Code	Definition
9	0	No failure.
	1	Maintenance circuit failure.
	2	Amplifier and bus select switch failure.
	3	Encodes 1 and 2.
	4	Amplifier cables failure.
	5	Encodes 1 and 4.
	6	Encodes 2 and 4.
	7	Encodes 1, 2 and 4.
	8	Port transmit switch failure.
	9	Encode 8 and others.
10-15	0	No failure.
	1	Failure.

B. FIELD DEFINITIONS AND CODES (Contd)

Field	Code	Definition
16-18	None	Unused.
19	0-99	Total number of procedures that turned on the NETWORK OTHER-515 indicator.
20	500-599	Procedure number that turned on the NETWORK OTHER-515 indicator.
21		<p>General:</p> <p>0 No failure.</p> <p>1 Failure.</p> <p>Procedure 521:</p> <p>0 No failure.</p> <p>1 Processor channel failure.</p> <p>2 Processor cannot switch.</p> <p>3 Encodes 1 and 2.</p>

C. TEST PROCEDURES

PROC 515

A description of how the alarm cause procedure is used follows:

Call in Procedure 515:

PROC NO.; 515; ENTER

When the procedure is called in, alarm causes are automatically displayed. Changes in alarm cause status are displayed within approximately one quarter of a second. Alarm causes are indicated in fields 1 through 15 and 21 by an encode of other than 0.

NETWORK OTHER-515 Alarm Causes:

When Procedure 515 is called in, NETWORK OTHER-515 alarm causes are displayed as follows:

Field	Contents
19	Total number of procedures that turned on the NETWORK OTHER-515 alarm.
20	Lowest procedure number that turned on the NETWORK OTHER-515 alarm.
21	Alarm cause encode.

C. TEST PROCEDURES (Contd)

Depressing the NEXT DATA key increments field 20 to the next lowest alarm causing procedure, and field 21 to the associated alarm cause encode. Repeatedly depressing NEXT DATA sequences through all the alarm cause procedure numbers and associated encodes until the highest is displayed. Depressing NEXT DATA again dashes fields 20 and 21. Depressing NEXT DATA again displays the lowest procedure number and associated encode again.

Depressing the EXECUTE key displays the lowest alarm causing procedure and associated alarm cause encode in fields 20 and 21.

Clearing Alarms:

CAUTION

Procedure 515 should be used to clear network fault indicators in the off-line common control only. Do not use this procedure to turn off indicators in the on-line processor.

Alarm causes should normally be cleared using the procedure referenced. The alarm clearing sequence provided with this procedure can be used to clear all off-line common control indicators or when a repair has been made that affects many fault indicators.

Alarms can be cleared as follows:

CLEAR DATA; EXECUTE

This sequence clears all alarms and fault indicators. Alarm threshold flags in each failure history buffer are also cleared. The failure history is left in tact.

NOTE

Procedure 520 can be used to clear all of the associated failure history, retire the alarms, and turn off the indicators.

D. REPAIR GUIDE

The following steps indicate how Procedure 515 may be used to isolate a failure to a faulty unit:

- | Step | Isolation Procedure |
|------|--|
| 1. | Call in Procedure 515. |
| 2. | If a failure is indicated, run the procedure referenced in the applicable field of the flipchart. |
| 3. | If more than one failure is indicated, call in the procedures indicated and clear the faults, starting with the lowest procedure and ending with the with the highest. |