

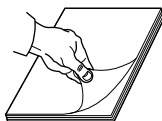
Appendix B

Alarm, Error, RFP, and Status Messages

Introduction

This appendix describes messages that display on the 3512 front panel:

- *Alarms* (Table B-1) display when a problem condition arises; they are stored in short form in the alarm queue
- *Error messages* (Table B-2) display when you enter conflicting or incorrect parameter values
- *Remote Front Panel (RFP) messages* (Table B-3) display during RFP sessions
- *Status messages* (Table B-4) display when a condition triggers them



<i>For more information on...</i>	<i>Refer to...</i>
Menus, categories, parameters, and options	Chapter 4, Configuring the 3512
Alarms	Chapter 5, 3512 Status

In an alarm or message text:

- A suffix of **PR**, or no suffix, indicates a condition on the primary line
- A suffix of **ALT** indicates a condition on the alternate line

NOTE: Alarms that a 35XX device generates while under remote RFP control are forwarded to the controlling-device display. Pressing a key on the controlling device removes its alarm *display*. Alarms are *stored* only in the local device.

Table B-1.
3512 DSU/CSU Alarms

Alarm Message (x = PR or ALT)	Alarm Queue Code	Alarm Can Occur on Line(s)...	Alarm Meaning
64k CC LTCH LB	64CC	PR	A latching loop is in effect on the 64k Clear Channel
ABN STATION	AS	PR	The 3512 received Abnormal Station Codes from the network. Occurs only with DDS-II SC.
AUTO STR DISC	ASD	PR	The Automatic Stream Disconnect feature disconnected a port.
CMPRS LINK FAIL	CLF	PR	The 3512 SDC cannot establish or maintain link with remote SDC device.
DL MONITOR FAIL	DLMF	PR	There is a problem on the alternate line.
LINK DOWN x	LD	PR ALT	CQMS signal=0.
MASTER DOWN	None*	PR	Master did not respond to slave's CRY FOR HELP.
NO SEAL CUR x	NSC	PR ALT	The local loop sealing current was interrupted.
OUT FR 64k CC	OFCC	PR	The 3512 received an Out of Frame signal from the network
OUT FR DDS1 x	OOF1	PR ALT	The 3512 received an Out of Frame signal from the network.
OUT FR DDS2 x	OOF2	PR	The 3512 could not detect framing on a DDS-II SC line.
OUT OF SERV x	OS	PR ALT	The 3512 received an Out of Service signal from the network.
OUT OF SYNC x	OSY	PR ALT	The 3512 has not received end-to-end synchronization characters. Occurs only under the Derived Secondary Channel Mode option.
TELCO LL x	LL	PR ALT	The network requested a local (CSU) loopback.
TELCO RT x	RT	PR ALT	The DDS network requested a Remote Terminal (RT) Loopback (also known as DSU Loopback).
SLAVE DOWN x	SDN	PR	The master cannot synchronize the slave.
SLAVE y Dn (y = slave address)	None*	PR	One or more slaves failed to respond to a training sequence.
UNKNOWN SLAV x	UNK	PR	<ul style="list-style-type: none"> •A slave address is missing from the master's address list. Displays at master and at unknown slave. •A slave is configured with the wrong NC Address value. Displays at master and at unknown slave.
*Does not put a code in the alarm queue. Occurs only under MP-Mux.			

Table B-2 lists **error messages** that the 3512 can generate.

Table B-2.
3512 DSU/CSU Error Messages

Error Message	Meaning	Text Reference
BER TEST RUNNING	You cannot change the current parameter while a Bit Error Rate test is running.	*TEST/BER TESTS/BER
DIAL IN PROG	NMS triggered restoral while Dial Line Monitor test was running	*RESTORAL/DL MONITOR
DUPLICATE ADDR	MP-Mux remote address has an address listed more than once.	*MODIFY/MODIFY SLV ADDR/ Modify Slv-x Addr -or- MODIFY NETWORK/Modify NC Address
ILL CH AGGREGATE	You cannot set channel rates' sum greater than line rate nor line rate less than channel rates' sum.	*DUALVIEW/MODIFY DSU/ Opmode
ILLEGAL RestRate	The Restoral Rate option is not valid for the method selected.	*RESTORAL/ RESTORAL CONFIG/ Rest Rate
ILLEGAL P-TO-CH	A/B Restoral cannot be enabled with a port-to-channel map that is invalid for A/B restoral.	*MODIFY/MODIFY DSU/P-to-CH
ILLEGAL TIMING	The Restoral Timing option is not valid for the Rest Rate option.	*RESTORAL/ RESTORAL CONFIG/Timing
INVALID ADDRESS	You cannot enter an address outside the range 00 - FA.	*DUALVIEW/CONFIG DUALVIEW/Station Addr
INVALID PASSWORD	The entered password is incorrect.	*AUXILIARY/PROTECTION/ Change Password
MODEM ALR ACTIVE	LPDA triggered restoral while Dial Line Monitor test was running.	*RESTORAL/DL MONITOR
MORE THAN 1 MSU	The port-to-channel map may specify only one channel-sharing unit.	*MODIFY/MODIFY DSU/P-to-CH
MSU NOT CONTIG	The port-to-channel map has noncontiguous ports sharing a channel.	*MODIFY/MODIFY DSU/P-to-CH
NC ATTACHED	You cannot modify the current parameters while Network Control is attached.	*MODIFY /MODIFY NETWORK/ NC Override
NO A/B IF NV P2	A/B restoral cannot be enabled while NetView (LPDA) is enabled on Port 2.	*DUALVIEW/CONFIG DUALVIEW/NV Ports
NO CH2 WITH MSU	The port-to-channel map cannot include Channel 2 if a channel-sharing unit (MSU) is configured and A/B Restoral is enabled.	*MODIFY/MODIFY DSU/P-to-CH
NO LBER 64k NORM	You cannot run an LBER when Opmode = 64k CC	*DUALVIEW/MODIFY DSU/ Opmode
NO NV P2 IF A/B	You cannot enable NetView (LPDA) on Port 2 while A/B restoral (Port 2) is enabled.	*DUALVIEW/CONFIG DUALVIEW/NV Ports
P1 NOT IN MSU	Port-to-channel map's channel-sharing unit must include Port 1.	*MODIFY/MODIFY DSU/P-to-CH
P2 MUST = CH2	A/B Restoral is enabled, and Port 2 is not mapped to Channel 2.	*MODIFY/MODIFY DSU/P-to-CH
PROTECTED	You cannot modify the current parameter until you enter a password.	*RESTORAL/ACTIVATE RESTOR/ Terminate
REST CH2 MUST=0	The restoral Channel 2 rate parameter must be set to 0.0 for A/B restoral	*RESTORAL/RESTORAL CONFIG/ CH2 Rate
REST IN PROGRESS	You cannot modify the current parameter while restoral is active.	*RESTORAL/ACTIVATE RESTOR/ Terminate
TEST IN PROGRESS	You cannot modify the current parameter while a test is active.	*TEST/STATUS

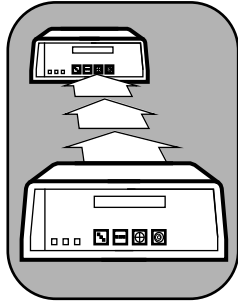


Table B-3 lists messages that the **remote front panel (RFP)** feature can generate.

Table B-3.
RFP Messages

Message	Meaning	Text Reference
35XX RFP ACTIVE	Displays on local device when entering RFP session or exiting RFP-escape mode	*AUXILIARY/RMT FRONT PANEL
35XX RFP ESCAPE	Displays on local device in RFP-escape mode	*AUXILIARY/RMT FRONT PANEL
35XX RFP	Displays on local device when in RFP mode and RFP operation is normal	*AUXILIARY/RMT FRONT PANEL
ADDRESS FOUND	RFP found the NC Address parameter value of the device matching the serial number in Serial parameter (Search Remote Address category)	*AUXILIARY/ SRCH REMOTE ADDR
EXECUTING	The local device is waiting for a response from the remote device	*AUXILIARY/RMT FRONT PANEL, SET REMOTE ADDR, SRCH REMOTE ADDR
RFP FAIL NO RESP	An expected response from the remote device was not received within 30 seconds. If RFP session is active, it is terminated.	*AUXILIARY/RMT FRONT PANEL, SET REMOTE ADDR, SRCH REMOTE ADDR
RFP SESSION	Displays at remote device during RFP session; indicates that the device is under RFP control. Device buttons are inactive during RFP control	*AUXILIARY/RMT FRONT PANEL
RFP SESSION TERM	An RFP session has ended; displays at local and remote devices	*AUXILIARY/RMT FRONT PANEL, SET REMOTE ADDR, SRCH REMOTE ADDR
RFP TIMEOUT	An RFP session was terminated due to lack of activity for three minutes	*AUXILIARY/RMT FRONT PANEL, SET REMOTE ADDR, SRCH REMOTE ADDR
RMT ADDR CHANGED	A remote device's NC Address value was changed; displays on the local device	*AUXILIARY/SET REMOTE ADDR
ADDRESS CHANGED	A device's NC Address value was changed; Displays on the remote device	*AUXILIARY/SET REMOTE ADDR

Table B-4 lists **status messages** that the 3512 can generate.

Table B-4.
Status Messages

<i>This Message...</i>	<i>Indicates...</i>
Restoral Initiation:	
[None]	Unit did not initiate restoral session
Call Recv'd	Unit received and answered a call
DDS Alarm	Initiated due to presence of DDS alarms on the primary line
DTR	Initiated based on Off to On DTR signal transition on Port 1
Idles	Initiated due to presence of idles on the primary line
Link Down	The unit detected a link down condition on the primary line
Manual	Initiated from the front panel
Mux Loss	Initiated due to presence of Mux Sync Loss condition on the primary line
Net Mgmt	Received (NMS or LPDA) command to initiate
Telco Test	RT or LL was detected on the DDS line
Restoral Termination:	
[None]	Unit did not terminate a session
Alt DDS Alrm	DDS alarm detected on alternate line
Command	Unit received a network control or LPDA command or PSTN Cleardown, or detected ;H in the phone number
DDS Avail	Primary-line alarm conditions have cleared
DTR	Terminated based on an Off to On DTR signal transition on Port 1
Manual	Terminated from front panel
Timer	Absolute Terminate Timer expired
Train Fail	Unit is unable to train with remote modem (could be due to loss of DCD)
Telco Test	RT detected on the primary line
UI Count	Excessive retrains on the SLR line
Restoral Failure:	
[None]	No failure
Bad Line	Unit unable to train due to line conditions, or remote modem is set for unsupported rate (2.4, 4.8, 7.2 kbps)
Busy	Busy signal was detected
Compr Link Fail	SDC unit unable to establish or maintain a link with remote SDC unit
Glare Det	Glare condition on the SW56 line
No ABT	Answerback tone was not detected
No Answer	A remote device failed to answer a call
No DialTone	Dial tone was not detected
No Number	No phone number was entered
No Wink Det	No Wink signal on the SW56 line
Security	A connection was attempted with a non-V.32 or V.32 bis modem, or line quality prevents detection of V.32 or V.32 bis training sequence
Timeout	A/B restoral device did not respond within three minutes

