Lucent Technologies
Bell Labs Innovations

DACS II
Release 9.0 MML
2.048 Mb/s Interface

Quick Reference Guide

365-353-293
Issue 1.0
October 1999

Notice

Every effort was made to ensure that the information in this document was complete and accurate at the time of printing. However, information is subject to change.

Mandatory Customer Information

Security Statement

In rare instances, unauthorized individuals make connections to the telecommunications network through the use of remote access features. In such event, applicable tariffs require that the customer pay all network charges for traffic. Lucent Technologies cannot be responsible for such charges, and will not make any allowance or give any credit for chartes that result from unauthorized access.

Documentation Ordering Information

The ordering number for this document is Lucent Technologies 365-353-293. To order this document, call the Lucent Technologies Customer Information Center in Indianapolis, Indiana, on 1-888-582-3688. For more ordering information, refer to “How to Order Documentation” in the section “About this Document.”

Trademarks

5ESS and *SLC*® is a registered trademark of Lucent Technologies.
COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLCI, and CLFI are trademarks of Bell Communications Research, Inc.
American Express is a registered trademark of American Express Company.
MasterCard is a registered trademark of Mastercard International Inc.
Visa is a registered trademark of VISA International Service Association.

Customer Assistance and Technical Support Telephone Number

Lucent Technologies provides technical assistance 24 hours a day, seven days a week. For technical assistance within the United States, call 1-800-225-RTAC. For technical assistance in Europe, call the Netherlands Technical Support Organization (TSO) at 31-3587-1555. For technical assistance in the Far East, call the Singapore TSO at 65-241-0880. If your country of origin provides local technical support, please contact them directly.

Documentation Support Telephone Number

Lucent Technologies provides a telephone number for you to report errors or to ask questions about the information in this document. The support telephone numbers are:

Outside the United States - 1-317-322-6847
Inside the United States - 1-800-645-6759

Acknowledgements

This document was developed by the Lucent Technologies Customer Training and Information Products Organization.

How Are We Doing?

Document Title: DACS II Rel.9.0, MML 2.048 Mb/s Int. Quick Ref. Guide_

Document No.: _____365-353-293_____

Issue No. _____1.0_____Date: _____October 1999_____

Lucent Technologies welcomes your feedback on this Customer Information Product (CIP). Your comments can be of great value in helping us to improve our CIPs.

1. Please rate the effectiveness of this CIP in the following areas:

cut

	Excellent	Good	Fair	Poor	Not Applicable
Ease of Use					////////////////////
Clarity					////////////////////
Completeness					////////////////////
Accuracy					////////////////////
Organization					////////////////////
Appearance					////////////////////
Examples					
Illustrations					
Overall Satisfaction					////////////////////

2.Feel free to write any comments below or on an attached sheet.

_____

_____

_____

_____

If we may contact you concerning your comments, please complete the following:

Name: _____TelephoneNumber:_____

Company/Organization: _____ Date: _____

Address: _____

When you have completed this form, please return to address on back or Fax to: 732 949-5000.

Lucent Technologies
Bell Labs Innovations

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 1999 GREENSBORO, NC

POSTAGE WILL BE PAID BY ADDRESSEE

DOCUMENTATION SERVICES
2400 Reynolda Road
Winston-Salem, NC 27199-2029

Contents

Contents

Contents

Contents

About this Document

Background

Purpose

The purpose of this manual is to provide an intermediate or expert DACS II user/administrator with quick access to DACS II commands.

The *DACS II Quick Reference Guide* provides a listing and syntax for input commands used by the craft personnel involved in the daily operation and maintenance of the Digital Access and Cross-connect System II.

Intended Audiences

This document is for reference by a technician or craftsperson who already understands the commands and needs a reminder of syntax.

How to Use this Document

Accessing the Information

There are two ways to access the information in this document:

- This index in the back of the manual
- The overall table of contents in the front of the manual.

Prerequisites

Before you use this document, you should have completed the DACS II Operation and Maintenance course (TR3521 or TR3621).

If you were not able to take either training course, you should carefully study the information in the *DACS II Operation and Maintenance Manual*. You should also become familiar with the reasons that a command could be denied; this information is presented in Chapter **1** of the *DACS II Operation and Maintenance Manual* and under the appropriate command in the *DACS II Command and Message Manual*.

Manual Contents

Overview This manual contains DACS II commands only. For additional reference or procedural information, refer to the DACS II Operation and Maintenance Manual.

Contents The contents of the *DACS II Quick Reference Guide* are listed below:

- **Chapter 1 - Link/Login/Logoff Commands**

  This chapter contains commands for adding user logins, logging in and logging off the DACS II, changing link provisioning options, and connecting data communications equipment to the DACS II.

- **Chapter 2 - Provisioning Commands**

  This chapter contains the commands to provision Network Processing Modules (NPMs), Network Processing Circuits (NPCs), Timing References, and Administrative Links.

- **Chapter 3 - Performance Monitoring Commands**

  This chapter contains commands for setting threshold values for certain parameters that are used to monitor the performance of the transmission lines that are connected to the DACS II.

(Continued on next page)

Manual Contents (Continued)

Contents, Continued

(Continued on next page)

Manual Contents (Continued)

Contents, Continued

- **Chapter 10 - C-Bit Proccessing Commands**

  This chapter contains the commands to operate the C-Bit processing feature.

- **Chapter 11 - Test Access Commands**

  This chapter contains the commands to establish test ports and 64 kbit/s test connections.

- **Chapter 12 - Troubleshooting**

  This chapter contains commands for isolating and clearing various DACS II troubles.

- **Chapter 13 - Miscellaneous Commands**

  This chapter contains miscellaneous DACS II commands.

- **Chapter 14 - Denial Codes**

  This chapter lists the denial codes and their meanings. This information is useful in determining problems with the DACS II.

Manual Conventions

Special Font Used

This manual uses special fonts for the user to differentiate computer input/output. The **`constant width bold font`** indicates message formats, keywords, letter representations of parameters, parameter values, and messages as they would appear on a DACS II terminal screen.

Related Documentation

Related DACS II Documents

The following documents support the DACS II system:

- DACS II Installation Manual:
  - — IPH903 (DACS II CEF)
  - — IPH903I (DACS II ESBF)

  Audience: Customers planning to install the equipment

  Content: Customer installation instructions.

- DACS II Release 7.0 Product Description Manuals:
  - — 365-353-085 (24 Channel)
  - — 365-353-086 (30 Channel)

  Audience: Network planners, engineers, and others that need to know how the DACS II works and fits into the network

  Content: Features, applications, and description and other reference information.

(Continued on next page)

Related Documentation (Continued)

Related DACS II Documents, Continued

- DACS II Release 9.0 Operation and Maintenance Manuals:
  - 365-353-261 (PDS)
  - 365-353-271 (MML)
  - 365-353-281 (PDS 2.048-Mb/s Interface)
  - 365-353-291 (MML 2.048-Mb/s Interface)

  Audience: End-user maintenance personnel

  Contents: Procedures to operate and maintain the DACS II.

- DACS II Release 9.0 Command and Message Manuals:
  - 365-353-262 (PDS)
  - 365-353-272 (MML)
  - 365-353-282 (PDS 2.048-Mb/s Interface)
  - 365-353-292 (MML 2.048-Mb/s Interface)

  Audience: End-user maintenance personnel

  Content: Description of each software input message and its response along with a description of each system output report.

(Continued on next page)

Related Documentation (Continued)

Related DACS II Documents, Continued

- DACS II Release 9.0 Quick Reference Guides:
  - — 365-353-263 (PDS)
  - — 365-353-273 (MML)
  - — 365-353-283 (PDS 2.048-Mb/s)
  - — 365-353-293 (MML 2.048-Mb/s)

  Audience: End-user maintenance personnel

  Content: Abbreviated list of system commands and parameters.

- DACS II Release 9.0 Software Release Description:
  - — Comcode C108460080 (**??**)

  Audience: End-user maintenance personnel

  Content: Upgrade procedures for the new software release, status of problems fixed in previous releases, and operating issues for the specified software release.

(Continued on next page)

Related Documentation (Continued)

Related DACS II Documents, Continued

- X.50/X.57 Subrate Application Release 1.0.3 for DACS II Release 1.0.4 for DACS II ISX MML 2.048 Mbit/s Interface User's Manual

  — 365-350-101 (MML)

  Audience: End-user maintenance personnel

  Content: Complete manual describing how to install and operate the X.50/X.57 Subrate application on the DACS II or DACS II ISX. Commands and messages describing how to perform subrate cross-connects and subrate test access are included.

(Continued on next page)

Related Documentation (Continued)

Related DACS II Documents, Continued

- DDS Subrate and MJU Application Release 1.0.4 for DACS II Release 1.0.5 for DACS II ISX User's Manual
  - 365-350-110 (PDS)
  - 365-350-111 (MML)

  Audience: End-user maintenance personnel

  Content: Complete manual describing how to install and operate the DDS Subrate and MJU application on the DACS II or DACS II ISX. Commands and messages describing how to perform DDS subrate cross-connects, subrate test access, and subrate MJU operations are included.

(Continued on next page)

Related Documentation (Continued)

Related DACS II Documents, Continued

- Digital Multipoint Bridge (DMB) DSP Platform Application Release 1.0.2 for DACS II Release 1.0.3 for DACS II ISX User's Manual
  - 365-353-144 (PDS)
  - 365-353-154 (MML)

  Audience: End-user maintenance personnel

  Content: Complete manual describing how to install and operate the DMB application on the DACS II or DACS II ISX. Commands and messages describing how to perform DMB cross-connects and DMB test access operations are included.

How to Order Documentation

Overview

To order additional copies of this document, orders can be placed:

- By Mail
- By Telephone
- By Fax
- Via the World Wide Web.

Ordering by Mail

To order by Mail, send a letter to:

Lucent Technologies
Customer Information Center
Attention: Order Entry Section
2855 N. Franklin Road
P. O. Box 19901
Indianapolis, IN 46219

(Continued on next page)

How to Order Documentation (Continued)

Ordering by Telephone

To order by Telephone (Monday through Friday), call:

- Within the United States of America:

  1-888-LUCENT-8 (7:30 a.m. to 6:30 p.m. EST)
  (1-888-582-3688)

- Australia and all European countries:

  Toll 317-322-6416

- Far East, North America, and other:

  Toll 317-322-6646

Ordering by Fax

To order by Fax, fax a letter to:

- Within the United States of America:

  1-317-322-6484

- All International countries:

  Toll 317-322-6699

How to Order Documentation (Continued)

Ordering Via the World Wide Web

The Lucent CIC maintains a netsite that can be used for ordering Lucent customer information products. The netsite address for the Lucent CIC homepage is:

http://www.lucentdocs.com/

Once you access the Lucent CIC homepage, clicking on the Documents selection will take you to the area through which numerous types of customer information products can be located, ordered, and/or downloaded.

RBOC and BOC Orders

Regional Bell Operating Companies (RBOC) and Bell Operating Companies (BOC) must process orders through their company documentation coordinator.

Commercial Customer Orders

For commercial customers, a check, money order, purchase order number, or charge card number (*VISA*®* bank card, *American Express*®† credit card services, or *Master Card*®‡ bank card) is required with all orders.

Checks must be made payable to Lucent Technologies.

* Registered trademark of VISA International Service Association

† Registered Trademark of American Express Company

‡ Registered Trademark of Mastercard International Incorporated

How to Order Documentation (Continued)

Lucent Technologies Orders

Lucent Technologies entities should use Form IND 1-80.80 FA, available through the Customer Information Center.

Standing Order Customers

One-time orders include a binder (if applicable) and the document contents for the current issue in effect at the time of order. After placing a one-time order, you can request a standing order for any document revisions *of that software release*.

Documents for new software releases do *not* go to standing-order customers. You will only get those documents if you order the new software release.

How to Comment on This Document

Using the Feedback Form

A feedback form is located at the beginning of this publication, immediately after the title page. Please fill out the feedback form and return it (postage free) to the address on the back.

Without the Feedback Form

If the feedback form is missing, send comment on this publication to:

Lucent Technologies
DACS II Documentation Coordinator
Attn: Tabatha Wright
Room 1B-320
101 Crawfords Corner Road
Holmdel, NJ 07733-3030 USA

Electronic Documentation

Overview

Documentation for DACS II and DACS II ISX is now available in electronic form, on CD-ROM (compact disk, read-only memory). CD-ROM has many advantages over traditional paper documentation, including cost savings, search and retrieve capability, and the assurance of the most current documentation.

CD-ROM is available by annual subscription (on standing order).

Ordering a CD-ROM

To order a CD-ROM, call your Technical Information Resource Manager, your Lucent Technologies Account Executive, or the Lucent Technologies Customer Information Center (1-888-582-3688).

Pricing Information

For pricing information, contact your Lucent Technologies Network Systems Account Executive or the Lucent Technologies Customer Information Center (1-888-582-3688).

Technical Information

For technical information, call Lucent Technologies Documentation Support:

Outside the United States - 1-800-645-6759

Inside the United States - 1-317-322-6847

Link/Login/Logoff Commands

1

Change User Password [I.38301]

CHG-LGN::::[<old password>:<new password>];

If the user is on a Snider protocol administrative link, the command is entered as follows:

CHG-LGN;

Then DACS II will prompt the user for the old and new password:

OLD PASSWD: (user enters the old password)
NEW PASSWD: (user enters the new password)
PASSWD: (user re-enters the new password for verification)

Add User

If the command is entered on a Snider link, the command is entered as follows:

[I.36101]

```
CRTE-LGN::::<user id>[,NEW];
```

DACS II generates the message below and a dialog is started:

PASSWD: (The frame administrator enters user password.)

REENTER PASSWD: (The frame administrator again enters the user password.)

Note that the user password is not echoed by DACS II.

If the command is entered on an X.25 link, the command is entered as follows:

```
CRTE-LGN::::<user id>,<user password>;
```

No dialog is initiated by DACS II.

Delete User

[I.37101]

```
DLT-LGN::::<user id>;
```

Add Link, X.25, Protocol, Data Link, Layer Parameters

[I.36003]

```
ED-PRMTR-LINK::j::[K-b][,T1-eee][,T3-ggg] \
[,N2-aa][,FRMAD-{A|B}];
```

Add Link, Protocol, Baud [I.36001]

```
ED-PRMTR-LINK::j::PTCOL-{S|X|T|M}[,BAUD-bb]\
[,ALM-k][,BS-e][,ENQ-q][,XON-x]:[INIT];
```

If the protocol is Snider:

```
ED-PRMTR-LINK::j::PTCOL-S[,BAUD-bb] \
[,ALM-k][,BS-e][,ENQ-q][,XON-x]:[INIT];
```

If the protocol is X.25:

```
ED-PRMTR-LINK::j::PTCOL-X[,ALM-k]:[INIT];
```

If the protocol is TABS:

```
ED-PRMTR-LINK::j::PTCOL-T[,BAUD-bb] \
[,ALM-k]:[INIT];
```

If the protocol is Modified Snider:

```
ED-PRMTR-LINK::j::PTCOL-M[,ALM-k]:[INIT];
```

Add X.25 Link Parameters [I.36005]

```
ED-PRMTR-LINK::l[mm]::[W-c][,P-ddd][,T20-iii]\
[,T22-jjj][,T23-kkk][,T25-lll][,T26-mmm] \
[,R20-nn][,R22-p][,R23-qq][,R25-r] \
[,DBIT-v][,VC-ppss&-gghh];
```

Log On To DACS II [I.39001]

```
LGN-USER::::<user id>[,<user password>];
```

If the user is on a Snider administrative link, the message is entered as follows:

```
LGN-USER::::<user id>;
```

Then DACS II will prompt the user with the following:

PASSWD: (user enters the user password)

Log Off User or Link [I.39101]

```
LGT-{TERM|USER}::::{l[mm][,INCL]|<user id>};
```

Change User/Link Screening [I.38401]

```
SET-PRVG-{TERM|USER}::::{l[mm][,INCL]| \
<user id>}:[SCR-n[,GR-a&-b&-c&-d&-e&-f]]: \
[{MCON|MCOFF}]:[INIT];
```

Add User/ Link Language, NPC Addressing and Priority [I.36103]

```
SET-PRVG-{USER|TERM|ALL}::::{<user id>|l[mm]\
[,INCL]}:[LANG-{P|M|F}]:[NPCAD-{E|X|H}]:\
[LEV-a&-b&-c&-d&-e&-f]:[{RMON|RMOFF}]:\
[RLK-{A|I}]:[INIT];
```

Provisioning Commands

2

Provision a Unit

[I.31211]

For DACS II Non-CEF frames:

```
CRTE-CNFGRN-EQPT::UNIT-q::[a[,b[,c[,d[,e
[,f]]]]]]:[utxyz];
```

For DACS II CEF frames:

```
CRTE-CNFGRN-EQPT::UNIT-[q]q:::[utxyz];
```

Provision Digital Signal Processing Unit NPC

[I.31331]

```
CRTE-EQPT::NPC-[s]abc[&&-[t]def]::mnxyz;
CRTE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::mnxyz;
```

Provision Digital Signal Processing Unit NPC

[1.31351]

```
CRTE-EQPT::NPC-[s]abc::mnxyz;
CRTE-EQPT::NPC-uv-m-np::mnxyz;
```

Caution 1: The NPC should be restored immediately (both duplicated sides, 0 and 1) using Message No. I.34351 (**RST-EQPT::NPC**) after being grown to avoid having both sides out of service. If this is not possible, the NPC should be degrown immediately using Message No. 32341 (**DISC-EQPT::NPC**).

Caution 2: The NPC and (Expanded) Time Slot Interchanger (TSI/ETSI) circuit packs must be inserted into the inactive side of DACS II. Inserting circuit packs into the active side may result in transmission "hits."

Provision NPC

[I.31362]

```
CRTE-EQPT::NPC-[s]abc[&&-[t]def]::[mnxyz]:\
[rr/m[&rr/m...]]: [IW-X-pq[r]]\
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];

CRTE-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[mnxyz]:\
[rr/m[&rr/m...]]: [IW-X-pq[r]]\
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];
```

Provision NPC [I.31363]

```
CRTE-EQPT::NPC-[s]abc[&&-[t]def]::[mnxyz]:\
[rr/m[&rr/m...]]: [IW-X-pq[r]]\
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];

CRTE-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[mnxyz]:\
[rr/m[&rr/m...]]: [IW-X-pq[r]]\
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];
```

Provision Test-Access Group NPC [I.31401]

```
CRTE-EQPT::NPC-[s]abc::NPCTG-rrr;
CRTE-EQPT::NPC-uv-m-np::NPCTG-rrr;
```

Provision Test Port NPC [I.31381]

```
CRTE-EQPT::NPC-[s]abc::NPCTP-n;
CRTE-EQPT::NPC-uv-m-np::NPCTP-n;
```

Provision Synchronizer Time Base [I.31101]

```
CRTE-EQPT::SYNC::TBpqr;
```

Provision Clock Reference Oscillato [I.31111]

```
CRTE-EQPT::SYNC::TBpqr:TLI-3;
```

Provision Synchronizer Timing Link Interface [I.31121]

```
CRTE-EQPT::SYNC::TLI-m:\
{texyz,SSP-a,SRC-p[,NPC-[0]abc]|TDxyz};

CRTE-EQPT::SYNC::TLI-m:\
{texyz,SSP-a,SRC-p[,NPC-uv-m-np]|TDxyz};
```

Provision Test-Access Group [I.31421]

```
CRTE-EQPT::TG-mmm::rrr-eee[&&-fff],\
sss-www[&&-xxx]:[<tc>];
```

Provision Test Port [I.31411]

```
CRTE-EQPT::TP-kk::[<tc>];
```

Provision Facility Termina-ting Module Interface [I.31321]

```
CRTE-EQPT::UNIT-[q]q::FTMI-d:IMP-<imp>;
```

Deprovision NPC [I.32341]

```
DISC-EQPT::NPC-[s]abc[&&-[t]def];
DISC-EQPT::NPC-uv-m-np[&&&-uv-k-qr];
```

Deprovision Test-Access Group NPC [I.32401]

```
DISC-EQPT::NPC-[s]abc::NPCTG-rrr:[TGR];
DISC-EQPT::NPC-uv-m-np::NPCTG-rrr:[TGR];
```

Deprovision Test Port NPC [I.32381]

```
DISC-EQPT::NPC-[s]abc::NPCTP-n:[TPR];
DISC-EQPT::NPC-uv-m-np::NPCTP-n:[TPR];
```

Deprovision Synchronizer Time Base [I.32101]

```
DISC-EQPT::SYNC::TB;
```

Deprovision Synchronizer Timing Link Interface [I.32121]

```
DISC-EQPT::SYNC::TLI-m:[SSP-a];
```

Deprovision Test-Access Group [I.32421]

```
DISC-EQPT::TG-mmm[&&-nnn];
```

Deprovision Test Port [I.32411]

```
DISC-EQPT::TP-kk;
```

Deprovision Unit [I.32211]

```
DISC-EQPT::UNIT-[q]q;
```

Deprovision Facility Terminating Module Interface [I.32321]

```
DISC-EQPT::UNIT-[q]q::FTMI-d;
```

Test Port Release [I.27002]

```
DISC-TACC-T0::::ALL:[OOS];
```

Add Network Processing Circuit [I.36021]

```
ED-ADD-MAP::NPC-{[s]abc&&-[t]def|[s]abc\
[&-[s]ghi]....[&-[t]def]};

ED-ADD-MAP::NPC-{uv-m-np&&&-wx-k-qr|uv-m-np\
[&-ab-c-de]....[&-wx-k-qr]};
```

Provision Frame [I.30101]

```
ED-PRMTR-NE::::<uid>[,FRAME-fg]:[CHAR-m];
```

Configure Synchronizer [I.35011]

```
ENT-EQPT::SYNC-a::FPLL;
```

Configure Frame [I.35021]

```
INIT-SYS::FRAME;
```

Performance Monitoring Commands

3

Set Errored Block Threshold Ratio [I.38631]

```
ED-OPT-T1::NPC::TYPE-mn:ERB-ee;
```

Utility Clear Hardware/ Software Error Recovery Log File [I.56061]

```
INIT-LOG::::ERR:{HWER|SWER};
```

Utility Clear Counter/ State NPC [I.56011]

```
INIT-REG::::<parameter>:ALL;
```

Utility Clear Counter/ State NPC [I.56001]

```
INIT-REG::[NPC-[s]abc[&&-[t]def]]::<parameter>;

INIT-REG::[NPC-uv-m-np[&&&-wx-k-qr]]::\
<parameter>;
```

Clear Facility Performance Parameters [I.56051]

```
INIT-REG::NPC-[s]abc;
INIT-REG::NPC-uv-m-np;
```

Utility Clear DA/TA/PA NPC Parameters [I.56071]

```
INIT-REG-T1::{NPC-[s]abc[&&-[t]def]|ALL}::\
<parameter>,aaaaa, [dddd],[tttt];

INIT-REG-T1::{NPC-uv-m-np[&&&-wx-k-qr]|ALL}::\
<parameter>,aaaaa, [dddd],[tttt];
```

Retrieve Performance Monitoring Report Schedule [I.51071]

```
RTRV-PMREPT-SCHED::::{CFA,MONDAT|CFA|,MONDAT};
```

Query Performance Monitoring Data for DA, TA, and PA Type NPCs [I.56091]

```
RTRV-PM-T1::{NPC-[s]abc[&&-[t]def]|ALL}::\
<parameter>,aaaaa ,[lllllllll],[dddd],[tttt];

RTRV-PM-T1::{NPC-uv-m-np[&&&-wx-k-qr]|ALL}::\
<parameter>,aaaaa ,[lllllllll],[dddd],[tttt];
```

Utilities, Alarm Reporting [I.51101]

```
SET-ATTR-EQPT::::ALM-a;
```

Cross-Connect Commands

4

Broadcast Cross-Connections [I.13001]

```
CONN-BDCST-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&[t]klm-nnn&..]::[<tc>][,<sc>][,NAM]:[RDLD]\
[,{CUS|INCL}]:[{NTR|LPD|CONV}]:[NORM];

CONN-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&ed-h-fg-nnn&..]::[<tc>][,<sc>][,NAM]:[RDLD]\
[,{CUS|INCL}]:[{NTR|LPD|CONV}]:[NORM];
```

Broadcast Cross-Connection [I.13002]

```
CONN-BDCST-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[<tc>][,<sc>][,NAM]:[RDLD]\
[,{CUS|INCL}]:[{NTR|LPD|CONV}]:[NORM];

CONN-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[<tc>][,<sc>][,NAM]:[RDLD]\
[,{CUS|INCL}]:[{NTR|LPD|CONV}]:[NORM];
```

Broadcast Cross-Connection [I.13011]

```
CONN-BDCST-T1::\
[s]abc,[u]ghi[&[v]jkl][&[t]mno][...]::\
[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];

CONN-BDCST-T1::\
uv-m-np,wx-k-qr[&ed-f-hg][&st-m-no]\
[...]::[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];
```

Broadcast Cross-Connection [I.13021]

```
CONN-BDCST-T1::[s]abc,[t]def::\
[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];

CONN-BDCST-T1::uv-m-np,wx-k-qr::\
[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];
```

One Way Cross-Connections [I.11101]

```
CONN-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[<tc>][,<sc>][,NAM]:[RDLD]\
[{,CUS|,INCL}]:[{NORM|TERM}]:[PRIOUT];

CONN-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[<tc>][,<sc>][,NAM]:[RDLD]\
[{,CUS|,INCL}]:[{NORM|TERM}]:[PRIOUT];
```

One Way Cross-Connections

[I.11121]

```
CONN-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[<tc>][,NAM]:[RDLD][,{CUS|INCL}]:\
fmd,tmd:[{NORM|TERM}];

CONN-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[<tc>][,NAM]:[RDLD][,{CUS|INCL}]:\
fmd,tmd:[{NORM|TERM}];
```

One-Way Non-Channelized Digital Signal Cross Connect

[I.11131]

```
CONN-CRS1-T1::[s]abc,[t]ghi::[RDLD]\
[,{CUS|INCL}]:[{NORM|TERM}]:[PRIOUT];

CONN-CRS1-T1::uv-m-np,wx-k-qr::[RDLD]\
[,{CUS|INCL}]:[{NORM|TERM}]:[PRIOUT];
```

Two-Way C-Bit Cross-Connects

[I.11041]

Note: The comma in front of **RDLD** or **INCL** cannot follow the colon as implied by the message representation below. The comma is used when necessary to separate the three keywords **CUS**, **RDLD**, and **INCL**. If there is no keyword between the colon and **RDLD** or **INCL** then the comma may be omitted.

```
CONN-CRS-T0::[s]abc,CB::[CUS][,RDLD][,INCL];
CONN-CRS-T0::uv-m-np,CB::[CUS][,RDLD][,INCL];
```

Two-Way Cross-Connection [I.11001]

```
CONN-CRS-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[<tc>][,<sc>][,NAM]:[RDLD]\
[,{CUS|INCL}]::[{NORM,NORM|TERM,TERM}]:\
[PRIOUT];

CONN-CRS-T0::uv-m-np-ddd[&&-eee],\
wx-k-qr-jjj[&&-kkk]::[<tc>][,<sc>][,NAM]:\
[RDLD][,{CUS|INCL}]::[{NORM,NORM|TERM,TERM}]:\
[PRIOUT];
```

Two-Way Cross-Connect From, To Multipoint Mode [I.11021]

```
CONN-CRS-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[<tc>][,NAM]:[RDLD][{,CUS|,INCL}]:\
fmd,tmd:[NTR-m]:[{NORM,NORM|TERM,TERM}];

CONN-CRS-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[<tc>][,NAM]:[RDLD][{,CUS|,INCL}]:\
fmd,tmd:[NTR-m]:[{NORM,NORM|TERM,TERM}];
```

Two-Way Cross-Connections [I.11051]

```
CONN-CRS-T0::[s]abc-ddd,[t]ghi-jjj::\
[{PFW-abcdefg&ijklmno|NFW}]:\
[{NORM,NORM|TERM,TERM}];

CONN-CRS-T0::uv-m-np-ddd,wx-k-qr-jjj:\
[{PFW-abcdefg&ijklmno|NFW}]:\
[{NORM,NORM|TERM,TERM}];
```

Two-Way Non-Channelized Digital Signal Cross-Connection [I.11011]

```
CONN-CRS-T1::abc,ghi::[RDLD][,{CUS|INCL}]:\
[{NORM,NORM|TERM,TERM}]:[PRIOUT];

CONN-CRS-T1::uv-m-np,wx-k-qr::[RDLD]\
[,{CUS|INCL}]:[{NORM,NORM|TERM,TERM}]:[PRIOUT];
```

Broadcast Disconnections [I.15201]

```
DISC-BDCST-T0::[s]abc-ddd[&&-eee],\
[t]ghi-jjj[&&-kkk]::[INCL]:[OOS][,DCC][,CONV];

DISC-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC][,CONV];
```

Broadcast Disconnection [I.15211]

```
DISC-BDCST-T0::[s]abc-ddd[&&-eee],\
[t]ghi-jjj[&[u]klm-nnn&..]::[INCL]:[OOS]\
[,DCC][,CONV];

DISC-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&ed-h-fg-nnn&..]::[INCL]:[OOS][,DCC][,CONV];
```

Broadcast Disconnect [I.15221]

```
DISC-BDCST-T1::[s]abc,[t]ghi[&[u]jkl][&[v]mno]\
[...]::[INCL]:[OOS][,CONV];

DISC-BDCST-T1::uv-m-np,wx-k-qr[&ed-h-fg]\
[&op-q-rs][...]::[INCL]:[OOS][,CONV];
```

Broadcast Disconnection [I.15231]

```
DISC-BDCST-T1::\
[s]abc,[t]ghi::[INCL]:[OOS][,CONV];

DISC-BDCST-T1::uv-m-np,wx-k-qr::[INCL]:\
[OOS][,CONV];
```

One-Way Multipoint Disconnections [I.15102]

```
DISC-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC];

DISC-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC];
```

One-Way Disconnect [I.15101]

```
DISC-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC]:[PRIOUT];

DISC-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC]:[PRIOUT];
```

One-Way Disconnect [I.15111]

```
DISC-CRS1-T1::[s]abc,[t]ghi::[INCL]:[OOS]:\
[PRIOUT];

DISC-CRS1-T1::uv-m-np,wx-k-qr::[INCL]:[OOS]:\
[PRIOUT];
```

Disconnect NPC TS16 and C-Bit Type NPC

[I.15004]

```
DISC-CRS-T0::[s]abc,CB:ww:[INCL][,OOS];
DISC-CRS-T0::uv-m-np,CB:ww:[INCL][,OOS];
```

Two-Way Disconnect-ions

[I.15002]

```
DISC-CRS-T0::[s]abc-ddd.[t]ghi-jjj:::[INCL]:\
[DCC][.OOS];

DISC-CRS-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[INCL]:[OOS][,DCC]:[PRIOUT];
```

Two-Way Disconnect-ion

[I.15011]

```
DISC-CRS-T1::\
[s]abc,[t]ghi::[INCL]:[OOS]:[PRIOUT];

DISC-CRS-T1::uv-m-np,wx-k-qr::[INCL]:[OOS]:\
[PRIOUT];
```

Macro and Map Commands

5

Stop Macro [I.39311]

```
ABT-PROC::::[l[mm]];
```

Delete Lines From Macro [I.19051]

```
DELETE[::{<starting line>|END}\
[-{<ending line>|END}]::];
```

Delete Macro [I.37201]

```
DLT-{MACRO|MAP}::::{<macro name>|<map name>}:\
[<user id>];
```

Edit Delete Map [I.37001]

```
ED-DLT-MAP::NPC-{[s]abc&&-[s]def|[s]\
abc[&-[s]ghi]....[&-[t]def]};

ED-DLT-MAP::NPC-{uv-m-np&&&-wx-k-qr|uv-m-np\
[&-ab-c-de]....[&-wx-k-qr]};
```

Create or Edit A Macro Or Map [I.19001]

```
ED-{MACRO|MAP}::::{<macro name>|<map name>};
```

Change Macro Space [I.38501]

```
ED-PRMTR-{MACRO|MAP}::::sss;
```

Create Picture Alternate Map [I.19031]

```
ED-PRMTR-MAP::::<new map name>,\
<reference map name>;
```

Execute Macro [I.39301]

```
EXC-MACRO::::<macro name>:\
[<p1>[&<p2>[&<p3>[&...[&<p10>]]]]];
```

Activate Alternate Maps [I.39201]

```
EXC-MAP::::<map name>:[CLR][,INCL];
```

Query Line Number [I.19071]

```
LINE;
```

List Macro Contents [I.19061]

```
LIST[::{<starting line>|END}\
[-{<ending line>|END}]::];
```

Move Macro Lines [1.19091]

```
MOVE::{<starting line>|END}\
[-{<ending line>|END}],\
{<destination line>|END};
```

Save Component Commands [I.19081]

```
SAVE;
```

Roll Commands

6

DS0 Circuit Roll - Bridge Command [I.14021]

```
SW-BDCST-T0::[s]abc-ddd[&&-eee],\
[t]ghi-jjj[&&-kkk]::[INCL];

SW-BDCST-T0::uv-m-np-ddd[&&&-eee],wx-k-qr-jjj\
[&&&-kkk]::[INCL];
```

Facility Roll - Bridge Command [I.14061]

```
SW-BDCST-T1::[s]abc,[t]ghi::[INCL];
SW-BDCST-T1::uv-m-np,wx-k-qr::[INCL];
```

DS0 Circuit Roll - Disconnect Command [I.14041

```
SW-DISC-T0::[s]abc-ddd[&&-eee]::[OOS];
SW-DISC-T0::uv-m-np-ddd[&&&-eee]::[OOS];
```

Facility Roll - Disconnect Command [I.14081]

```
SW-DISC-T1::[s]abc::[OOS];
SW-DISC-T1::uv-m-np::[OOS];
```

Configure Digroup Circuits [I.35001]

```
SW-DX-EQPT::XC-s::[INCL];
```

DS0 Circuit Roll- Roll Command [I.14031]

```
SW-ROLL-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[INCL]:[FRC]:[OOS];

SW-ROLL-T0::uv-m-np-ddd[&&&-eee],\
wx-k-qr-jjj[&&&-kkk]::[INCL]:[FRC]:[OOS];
```

Facility Roll - Roll Command [I.14071]

```
SW-ROLL-T1::\
[s]abc,[t]ghi::[INCL]:[FRC]:[OOS]:[TWAY];

SW-ROLL-T1::uv-m-np,wx-k-qr::[INCL]:[FRC]:\
[OOS]:[TWAY];
```

Change Commands

7

Change Circuit Parameters [I.18001]

```
CHG-RPATH-T0::[s]abc-ddd[&[t]ghi-jjj&\
[u]klm-nnn&..]::[INCL];

CHG-RPATH-T0::uv-m-np-ddd[&wx-k-qr-jjj&\
ed-h-fg-nnn&..]::[INCL];
```

Change Switch, TOX [I.18011]

```
CHG-RPATH-T1::\
[s]ghi[&[t]jkl][&[v]mno][...]::[INCL];

CHG-RPATH-T1::uv-m-np[&wx-k-qr][&ed-h-fg]\
[...]::[INCL];
```

Change Connect-ivity [I.38101]

```
ED-CNFGRN-EQPT::UNIT-q::a[,b[,c[,d[,e[,f]]]]];
```

Change/Set Options [I.38201]

```
ED-OPT-T1::NPC::{TYPE-mn|ALL}:rr:a,b,c;
```

Change NPC Options [I.38221]

```
ED-PRMTR-EQPT::NPC-[s]abc::{rr/m[&rr/m]\
[...]|hhh};

ED-PRMTR-EQPT::NPC-uv-m-np::{rr/m[&rr/m]\
[...]|hhh};
```

Change NPC AIS Alarm Option [I.38281]

```
ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]ghi]::ALMOPT:\
AIS-{MI|PMA|DMA|PMC}[,LEV-s];

ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::\
ALMOPT:AIS-{MI|PMA|DMA|PMC}[,LEV-s];
```

Change NPC Type [I.38211]

```
ED-PRMTR-EQPT::NPC-[s]abc::mnxyz:[IW-X-pq[r]];
ED-PRMTR-EQPT::NPC-uv-m-np::mnxyz:[IW-X-pq[r]];
```

Change NPC Loopback [I.38341]

```
ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::\
LPBK-[d]t;

ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::\
LPBK-[d]t;
```

Change NPC Non Frame-WordSetting [I.38324]

```
ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::\
NFS-abcdefghi;

ED-PRMTR-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::\
NFS-abcdefghi;
```

Change NPC Time Slot Zero [I.38321]

```
ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::\
TS0-abcdefgh;

ED-PRMTR-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::\
TS0-abcdefgh;
```

Change Time Slot Zero Monitor [I.38323]

```
ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::\
TS0M-abcdefgh;

ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::\
TS0M-abcdefgh;
```

Configure Synchronizer

[I.35013]

```
ED-PRMTR-EQPT::SYNC::{MASTER|SLAVED};
```

Configure Synchronizer Stratum

[I.35012]

```
ED-PRMTR-EQPT::SYNC::{STR2|STR3|TOLL|LOCAL};
```

Change Priorities and/or Type, Synchronizer or NPC

[I.38011]

```
ED-PRMTR-EQPT::SYNC::TLI-m:SSP-b:\
{texyz|NPC-[0]abc};

ED-PRMTR-EQPT::SYNC::TLI-m:SSP-b:\
{texyz|NPC-uv-m-np};

ED-PRMTR-EQPT::SYNC::SRC-i/a,b[&j/c,d\
[&k/e,f[&l/g,h]]];
```

Change Type, Options

[I.38231]

```
ED-PRMTR-EQPT::TYPE-mnxyz::{rr/m[&rr/m]\
[...]|hhh};
```

Change Type and Threshold Mode

[I.38291]

```
ED-PRMTR-EQPT::TYPE-mn::hhh;
```

Change Cross-Connect Termination Status [I.17001]

```
ED-PRMTR-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]::[INCL]:{TERM|RLS}{F|T|B|L|G|A}:\
[NOT-[u]rst-vvv];

ED-PRMTR-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]::[INCL]:{TERM|RLS}{F|T|B|L|G|A}:\
[NOT-ed-h-fg-vvv];
```

Change Circuit Parameters [I.17002]

```
ED-PRMTR-T0::[s]abc-ddd,[t]ghi-jjj::[INCL]:\
[TLP-snn-smm,NG-nn,ES-ee];

ED-PRMTR-T0::uv-m-np-ddd,wx-k-qr-jjj::[INCL]:\
[TLP-snn-smm,NG-nn,ES-ee];
```

Change Circuit Parameters [I.17011]

```
ED-PRMTR-T1::[s]abc,[t]ghi::[INCL]:{TERM|RLS}\
{F|T|B|A}:[NOT-[u]rst];

ED-PRMTR-T1::uv-m-np,wx-k-qr::[INCL]:\
{TERM|RLS}{F|T|B|A}:[NOT-ed-h-fg];
```

Remove Commands

8

Remove TSI (Non-CEF Only) [I.33231]

```
RMV-CNFGRN-EQPT::UNIT-q::CCN-s,TSIS:\
[(a[,b[,c[,d[,e[,f]]]]])];
```

Remove Cross-Connect Buffer (Non-CEF Only) [I.33202]

```
RMV-EQPT::CCB-sf;
```

Remove Clock Control Interface [I.33251]

```
RMV-EQPT::CCI-s;
```

Remove Cross-Connect Network Interface [I.33201]

```
RMV-EQPT::CCNI-s;
```

Remove TSI (Non-CEF Only) [I.33241]

```
RMV-EQPT::CCN-s,TSIS;
```

Remove ETSI [I.33261]

```
RMV-EQPT::ETSI-sqq;
```

Remove ETSIs All [I.33271]

```
RMV-EQPT::ETSIS,ECCN-s;
```

Remove Link [I.33011]

```
RMV-EQPT::LINK-j;
```

Remove Main Controller [I.33001]

```
RMV-EQPT::MC;
```

Remove NPCs [I.33351]

```
RMV-EQPT::NPC-[s]abc[&&-[t]def]::\
[SIDE-s]:[INCL];

RMV-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::\
[SIDE-s]:[INCL];
```

Remove PMEM or SMEM [I.33211]

```
RMV-EQPT::{PMEM|SMEM};
```

Remove Synchronizer [I.33101]

```
RMV-EQPT::SYNC-a;
```

Remove Synchronizer's TLI or SSP [I.33121]

```
RMV-EQPT::SYNC-a::TLI-m:[SSP-b];
```

Remove Synchronizer Time Base as a Clock Reference Oscillator [I.33111]

```
RMV-EQPT::TLI-3::CRO;
```

Remove Time Slot Interchange [I.33221]

```
RMV-EQPT::TSI-sft;
```

Remove Unit Format Converter [I.33331]

```
RMV-EQPT::UNIT-[q]q::FC-sb;
```

Remove FTMI or DSPI [I.33321]

```
RMV-EQPT::UNIT-[q]q::{FTMI-d|DSPI};
```

Remove Unit Controller [I.33311]

```
RMV-EQPT::UNIT-[q]q::UC;
```

Restore Commands

9

Restore TSI (Non-CEF Only) [I.34231]

```
RST-CNFGRN-EQPT::UNIT-q::CCN-s,TSIS:\
[[a[,b[,c[,d[,e[,f]]]]]];
```

Restore Cross-Connect Buffer [I.34202]

```
RST-EQPT::CCB-sf;
```

Restore Control and Clock Interface [I.34251]

```
RST-EQPT::CCI-s;
```

Restore Cross-Connect Network Interface [I.34201]

```
RST-EQPT::CCNI-s;
```

Restore Expanded Time Slot Interchanger

[I.34261]

```
RST-EQPT::ETSI-sqq;
```

Restore All ETSIs

[I.34271]

```
RST-EQPT::ETSIS,ECCN-s;
```

Restore Administrative Link

[I.34011]

```
RST-EQPT::LINK-j;
```

Restore Main Controller

[I.34001]

For Normal Operations:

```
RST-EQPT::MC::[{MCOND|NOJRNL|FRC}];
```

For Installation and Product Evaluation Only: (Can be used only if the Lucent security warning feature bit is set)

```
RST-EQPT::MC::CLR[,ALL];
```

Restore NPC Monitor

[I.34361]

```
RST-EQPT::NPC-[s]abc::MON;
RST-EQPT::NPC-uv-m-np::MON;
```

Restore NPCs [I.34351]

```
RST-EQPT::NPC-[s]abc[&&-[t]def]::[SIDE-s];
RST-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[SIDE-s];
```

Restore NPC Time Slot 0 Monitor [I.34371]

```
RST-EQPT::NPC-[s]abc::TS0M;
RST-EQPT::NPC-uv-m-np::TS0M;
```

Restore PMEM and/ or SMEM [I.34211]

```
RST-EQPT::{PMEM|SMEM}::[CLR]:[FRC]:[BKGRND];
```

Restore Synchro-nizer [I.34101]

```
RST-EQPT::SYNC-a;
```

Restore Synchro-nizer's Timing Link Interface [I.34121]

```
RST-EQPT::SYNC-a::TLI-m:[SSP-b];
```

Restore Clock Reference Oscillator [I.34111]

```
RST-EQPT::TLI-3::CRO;
```

Restore Time Slot Interchange [I.34221]

```
RST-EQPT::TSI-sft;
```

Restore Time Slot Interchanges [I.34241]

```
RST-EQPT::TSIS,CCN-s;
```

Restore Unit [I.34331]

```
RST-EQPT::UNIT-[q]q::FC-sb;
```

Restore FTMI or DSPI [I.34321]

```
RST-EQPT::UNIT-[q]q::{FTMI-d|DSPI};
```

Restore Unit Controller [I.34311]

```
RST-EQPT::UNIT-[q]q::UC;
```

C-Bit Processing Commands

10

Change Bit-C-Off To [I.38335]

```
ED-PRMTR-EQPT::[s]abc-ddd[&&-eee]::BCOFF;
ED-PRMTR-EQPT::uv-m-np-ddd[&&-eee]::BCOFF;
```

Change Bit-C To [I.38333]

```
ED-PRMTR-EQPT::[s]abc-ddd[&&-eee]::BC-X-abcd;
ED-PRMTR-EQPT::uv-m-np-ddd[&&-eee]::BC-X-abcd;
```

Change Director DACS To [I.38331]

```
ED-PRMTR-EQPT::[s]abc-ddd[&&-eee]::DD-m,w;
ED-PRMTR-EQPT::uv-m-np-ddd[&&-eee]::DD-m,w;
```

Test Access Commands

11

Non-Channelized Test, Monitor, Split, Loop [I.20101]

```
CHG-ACCMD-T1::[s]abc[&[t]def]::<tmode>:[AIS]:\
[INCL];

CHG-ACCMD-T1::uv-m-np[&wx-k-qr]::<tmode>:\
[AIS]:[INCL];
```

Two-Way Test Access Monitor Test Port [I.21011]

```
CHG-TACC-T0::::kk::MON;
```

Two-Way Test Access [I.23001]

```
CHG-TACC-T0::::kk:SPLT;
```

Nx64 kbit/s Two-Way Test Access, Monitor [I.21031]

```
CHG-TACC-T0::::TG-mmm:MON;
```

Nx64 kbit/s Two-Way Test Access, Split [I.23021]

```
CHG-TACC-T0::::TG-mmm:SPLT;
```

Non-Channelized Test FAD, Emode, Fmode [I.20111]

```
CHG-TACC-T1::[s]abc[&[t]def]::\
{[<emode>][,<fmode>]}:[INCL];

CHG-TACC-T1::uv-m-np[&wx-k-qr]::\
{[<emode>][,<fmode>]}:[INCL];
```

Two-Way Test Access [I.25101]

```
CHG-TL-T0::::kk:TERM{F|T|B|L|G|A}:\
[NOT-[t]rst-vvv];

CHG-TL-T0::::kk:TERM{F|T|B|L|G|A}:\
[NOT-uv-m-np-vvv];
```

Nx64 kbit/s Two-Way Test Access, Terminate-And Leave-Active [I.25121]

```
CHG-TL-T0::::TG-mmm:TERM{F|T|B};
```

Two-Way Test Access, Hub [I.24001]

```
CONN-HUB-T0::[t]ghi-jjj::kk:[<tc>]:[NAM];
CONN-HUB-T0::uv-m-np-jjj::kk:[<tc>]:[NAM];
```

Nx64 kbit/s Two-Way Test Access, Hub [I.24021]

```
CONN-HUB-T0::[s]abc-ddd,[t]ghi-jjj::\
TG-mmm:[<tc>];

CONN-HUB-T0::uv-m-np-ddd,wx-k-qr-jjj::\
TG-mmm:[<tc>];
```

Non-Channelized Test Hub [I.20031]

```
CONN-HUB-T1::[s]abc,[t]jkl::[INCL];
CONN-HUB-T1::uv-m-np,wx-k-qr::[INCL];
```

Two-Way Test Access, Monitor [I.21001]

```
CONN-TACC-T0::[t]ghi-jjj::kk:[<tc>][,NAM]:MON;
CONN-TACC-T0::uv-m-np-jjj::kk:[<tc>][,NAM]:MON;
```

Nx64 kbit/s Two-Way Test Access, Monitor [I.21021]

```
CONN-TACC-T0::[t]ghi-jjj[&&-kkk][&-lll&...]::\
TG-mmm:[<tc>]:MON;

CONN-TACC-T0::wx-k-qr-jjj[&&-kkk][&-lll&...]::\
TG-mmm:[<tc>]:MON;
```

Non-Channelized Test Access (Monitor, Split, or Loop) [I.20001]

```
CONN-TACC-T1::[s]abc[&[t]def],\
[u]ghi[,[v]jkl]::<tmode>:[AIS]:[INCL];

CONN-TACC-T1::uv-m-np[&wx-k-qr],\
eg-h-ij[,jk-l-mn]::<tmode>:[AIS]:[INCL];
```

Two-Way Test Access [I.27001]

```
DISC-TACC-T0::::kk:[OOS];
```

Two-Way Test Access [I.25501]

```
DISC-TACC-T0::::kk:RLS{F|T|B|L|G|A}:\
[NOT-[t]rst-vvv];

DISC-TACC-T0::::kk:RLS{F|T|B|L|G|A}:\
[NOT-uv-m-np-vvv];
```

Nx64 kbit/s Two-Way Test Access, Test-Access Group Release [I.27021]

```
DISC-TACC-T0::::TG-mmm[&&-nnn]:[OOS];
```

Nx64 kbit/s Two-Way Test Access, Terminate-And-Leave-Release [I.25521]

```
DISC-TACC-T0::::TG-mmm:RLS{F|T|B};
```

Non-Channelized Test NPC Release [I.20202]

```
DISC-TACC-T1::::ALL:[OOS];
```

Non-Channelized Test NPC Release [I.20201]

```
DISC-TACC-T1::[s]abc[&[t]def]::[OOS];
DISC-TACC-T1::uv-m-np[&wx-k-qr]::[OOS];
```

Looped Test Access [I.29001]

```
OPR-LPBK-T0::::kk:<tc>;
```

Nx64 kbit/s Looped Test Access	[I.29021] **OPR-LPBK-T0::::TG-mmm:[<tc>];**
Non-Channelized Loop Test Access Facility	[I.20301] **OPR-LPBK-T1::[s]abc::LPBKT:[INCL];** **OPR-LPBK-T1::uv-m-np::LPBKT:[INCL];**

Troubleshooting Commands

12

Diagnose Cross-Connect Buffer [I.41211]

DGN-EQPT::CCB-sf::[CFT-X-vwxy];

Diagnostics, CCI and BT Packs [I.41251]

DGN-EQPT::CCI-s::[CFT-X-vwxy];

Diagnose CCNI [I.41201]

DGN-EQPT::CCNI-s::[CFT-X-vwxy];

Diagnose Communi-cations Interface [I.41031]

DGN-EQPT::CI::[CFT-X-vwxy];

Diagnose ETSI [I.41261]

```
DGN-EQPT::ETSI-sqq::[CFT-X-vwxy];
```

Diagnose ETSI [I.41271]

```
DGN-EQPT::ETSIS::ECCN-s:ALL;
```

Diagnose Link [I.41011]

```
DGN-EQPT::LINK-a::[CFT-X-vwxy];
```

Diagnose Main Controller [I.41001]

```
DGN-EQPT::MC::[CFT-X-vwxy];
```

Diagnose Main Processor [I.41021]

```
DGN-EQPT::MP::[CFT-X-vwxy];
```

Diagnose NPC [I.41351]

```
DGN-EQPT::NPC-[s]abc::[SIDE-s]:[CFT-X-vwxy];
DGN-EQPT::NPC-uv-m-np::[SIDE-s]:[CFT-X-vwxy];
```

Diagnose Network Processing Circuits [I.41361]

```
DGN-EQPT::NPC-[s]abc&&-[t]def;
DGN-EQPT::NPC-uv-m-np&&&-uv-k-qr;
```

Diagnose Memory Card [I.41051]

```
DGN-EQPT::{PMEM|SMEM}::\
[{CFT-X-vwxy|PROG|DBASE}]:[VERIFY];
```

Diagnose Synchronizer [I.41101]

```
DGN-EQPT::SYNC-a;
```

Diagnose Synchronizer [I.41111]

```
DGN-EQPT::SYNC::TLI-3:CRO;
```

Diagnose Synchronizer Timing Link Interface [I.41121]

```
DGN-EQPT::SYNC-a::TLI-m:[SSP-b];
```

Diagnose Time Slot Inter-changes [I.41241]

```
DGN-EQPT::TSI::CCN-s:ALL;
```

Diagnose Time Slot Interchanges [I.41232]

```
DGN-EQPT::TSI::CCN-s:UNIT-q:\
[a[,b[,c[,d[,e[,f]]]]]];
```

Diagnose Time Slot Interchange [I.41221]

```
DGN-EQPT::TSI-sft::[CFT-X-vwxy];
```

Diagnose DSPU [I.41341]

```
DGN-EQPT::UNIT-[q]q::DSPI:[CFT-X-vwxy];
```

Diagnose Format Converter [I.41331]

```
DGN-EQPT::UNIT-[q]q::FC-sb:[CFT-X-vwxy];
```

Diagnose Facility Terminating Module Interface [I.41321]

```
DGN-EQPT::UNIT-[q]q::FTMI-d:[CFT-X-vwxy];
```

Diagnose UnitOnUC [I.41311]

```
DGN-EQPT::UNIT-[q]q::UC:[CFT-X-vwxy];
```

Clear Power Supply or Backup Failure [I.56052]

```
INIT-REG::PWR-pp:;
```

Utility, Recovery Password [I.51081]

```
RST-PASSWD;
```

Utility Query Alarms [I.53111]

```
RTRV-ALM-EQPT:<xy>;
```

Utility Query Alarms [I.53151]

```
RTRV-ALM-EQPT::::DBASE;
```

Query Facility Alarms [I.81001]

```
RTRV-ALM-EQPT::NPC::{CFA|CGA};
```

Utility Query Broadcast [I.52111]

```
RTRV-BDCST-T0::[s]abc-ddd;
RTRV-BDCST-T0::uv-m-np-ddd;
```

Query Broadcast All [I.52101]

```
RTRV-BDCST-T0::::ALL;
```

Utility Query Broadcast From [I.52121]

```
RTRV-BDCST-T1::[s]abc::FROM;
RTRV-BDCST-T1::uv-m-np::FROM;
```

Utility Query, Equipment Connec-tivity [I.53031]

```
RTRV-CNFGRN-EQPT::UNIT::EQPD;
```

Query Partial Cross-Connect Map [I.52011]

```
RTRV-CRS-T1::[s]abc[&&[t]def]::MAP;
RTRV-CRS-T1::uv-m-np[&&&-wx-k-qr]::MAP;
```

Query Full Cross-Connect Map [I.52031]

```
RTRV-CRS-T1::NPC::MAP;
```

Query Feature Package [I.51121]

```
RTRV-FPKG-NE;
```

QueryDate [I.51031]

```
RTRV-HDR;
```

Utility QueryWho [I.51041]

```
RTRV-HDR-NE;
```

Utility Location [I.56401]

```
RTRV-LOC-EQPT::<entity>::[<arg>];
```

Query Software/ Hardware Error Recovery [I.55011]

```
RTRV-LOG::::ERR:{SWER|HWER}\
[,{INT-mn|[DATE-[ce]yr-mo-da,]TOD-hr-mn-sc}]\
[,TN-X-dddd][,EVENT-X-eeee]\
[,ERCL-{HARD|TRANS|APPINT}][,ENTY-<entity>];
```

Utility Query Macro [I.54121]

```
RTRV-MACRO::::<name>:[<user id>];
```

Utility Query List Macro [I.54131]

```
RTRV-MACRO-COM::::<macro name>:[<user id>];
```

Utility Query List Map [I.54101]

```
RTRV-MAP-COM::::<name>:[<user id>];
```

Utility Query NPC Map [I.54111]

```
RTRV-MAP-EQPT::NPC::<name>:[<user id>];
```

Retrieve Memory Status [I.51001]

```
RTRV-MEMSTAT;
```

Utility Query Options NPCs [I.53051]

```
RTRV-OPT-T1::NPC::[{mn|ALL}];
```

Query Network Processing Circuit Parameter [I.56041]

```
RTRV-PRMTR-EQPT::[NPC-[s]abc[&&-[t]def]]::\
<parameter>;
RTRV-PRMTR-EQPT::[NPC-uv-m-np[&&&-wx-k-qr]]::\
<parameter>;
```

Utility Query All [I.56031]

```
RTRV-PRMTR-EQPT::NPC::<parameter>:ALL;
```

Utility Query, Alarm Option, AIS [I.56021]

```
RTRV-PRMTR-EQPT::NPC-[s]abc[&&-[v]ghi]::\
ALMOPT:AIS;
RTRV-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::\
ALMOPT:AIS;
```

Query Link Status and Protocol [I.55113]

```
RTRV-PRMTR-LINK::j[mm[&&jnn]];
```

Query Macro Attributes [I.54211]

```
RTRV-PRMTR-MACRO::::ATTR:[{<user id>|ALL}];
```

Utility Query Macro/Map Space [I.54221]

```
RTRV-PRMTR-{MACRO|MAP}::::SPACE:\
[{<user id>|ALL|SYSTEM}];
```

Utility QueryMap [I.54201]

```
RTRV-PRMTR-MAP::::ATTR:\
[{ALL|<user id>|<name>}];
```

Note: Only the DACS II frame administrator can use the ALL option.

Query Configure [I.51091]

```
RTRV-PRMTR-NE;
```

Utility Query Sequence [I.51131]

```
RTRV-PRMTR-SQN;
```

Utility Query From [I.52051]

```
RTRV-PRMTR-T0::[s]abc-ddd[&&-eee]::FROM;
RTRV-PRMTR-T0::uv-m-np-ddd[&&-eee]::FROM;
```

Query Channel Marks [I.52211]

```
RTRV-PRMTR-T0::[s]abc-jjj[&&-kkk]::MARK;
RTRV-PRMTR-T0::uv-m-np-jjj[&&-kkk]::MARK;
```

Query Trunk Signaling Conversion State [I.52601]

```
RTRV-PRMTR-T0::abc-ddd::SIGST;
RTRV-PRMTR-T0::uv-m-np-ddd::SIGST;
```

Query Destination Cross-Connect [I.52041]

```
RTRV-PRMTR-T0::[s]abc-ddd[&&-eee]::TO;
RTRV-PRMTR-T0::uv-m-np-ddd[&&-eee]::TO;
```

Utility Query From [I.52071]

```
RTRV-PRMTR-T1::[s]abc::FROM;
RTRV-PRMTR-T1::uv-m-np::FROM;
```

Utility Query Markings [I.52201]

```
RTRV-PRMTR-T1::[s]abc[&&-[t]def]::MARK;
RTRV-PRMTR-T1::uv-m-np[&&&-wx-k-qr]::MARK;
```

Non-Channelized Utility Query To [I.52061]

```
RTRV-PRMTR-T1::[s]abc::TO;
RTRV-PRMTR-T1::uv-m-np::TO;
```

Query User/ Link Screening Option [I.54001]

```
RTRV-PRVG-{TERM|USER}::::{j[mm][&&jnn]|<user
id>|ALL};
```

Query Log [I.54011]

```
RTRV-PRVG-USER::LOG::[ALL];
```

Utility Query Error Source Register [I.55401]

```
RTRV-REG-EQPT::CCN-a::ESR;
```

Query ECCN Error Source Register [I.55411]

```
RTRV-REG-EQPT::ECCN-s::ESR;
```

Query Error Source Register Main Processor [I.55111]

```
RTRV-REG-EQPT::MP::ESR;
```

Utility Query ESR for FTU or Subrate NPC [I.55601]

```
RTRV-REG-EQPT::NPC-[s]abc::[SIDE-s]:ESR;
RTRV-REG-EQPT::NPC-uv-m-np::[SIDE-s]:ESR;
```

Utility Query, Synchro-nizer [I.55201]

```
RTRV-REG-EQPT::SYNC-a::STR;
```

Utility Query SSP [I.55321]

```
RTRV-REG-EQPT::SYNC-a::TLI-m:SSP-b:STR;
```

Utility Query, Timing Link Interface [I.55311]

```
RTRV-REG-EQPT::SYNC-a::TLI-m:STR;
```

Query Error Source Register [I.55531]

```
RTRV-REG-EQPT::UNIT-[q]q::DSPI:ESR;
```

Utility Query Error Source Register [I.55501]

```
RTRV-REG-EQPT::UNIT-[q]q::ESR;
```

Query Error Source Register [I.55521]

```
RTRV-REG-EQPT::UNIT-[q]q::FC-sb:ESR;
```

Query Error Source Register FTMI [I.55511]

```
RTRV-REG-EQPT::UNIT-[q]q::FTMI-d:ESR;
```

Query Cross-Connect Status Bus [I.55181]

```
RTRV-REG-EQPT::XCSB::[UNIT-[q]q];
```

Utility Query, Status Register [I.55191]

```
RTRV-REG-EQPT::XC-a::STR;
```

Utility Query Roll DS0 [I.52081]

```
RTRV-ROLL-T0::\
{NPC-[s]abc[&&-[t]def]|ALL[,UNIT-[q]q]};

RTRV-ROLL-T0::\
{NPC-uv-m-np[&&&-wx-k-qr]|ALL[,UNIT-[q]q]};
```

Utility Query Roll DS1 [I.52091]

```
RTRV-ROLL-T1::\
{NPC-[s]abc[&&-[t]def]|ALL[,UNIT-[q]q]};
RTRV-ROLL-T1::\
{NPC-uv-m-np[&&&-wx-k-qr]|ALL[,UNIT-[q]q]};
```

Query All Common Equipment [I.53104]

```
RTRV-STATE-COM::::ALL;
```

Utility Query Equipage, Common [I.53109]

```
RTRV-STATE-COM::::EQPD;
```

Utility Query Status Common Equipment [I.53105]

```
RTRV-STATE-COM::::{PEST|FAIL|OOS};
```

Utility Query State Alarm Cut Off [I.54340]

```
RTRV-STATE-EQPT::::ACO;
```

Utility Query Bit-C To [I.56353]

```
RTRV-STATE-EQPT::[s]abc-ddd::BC-s;
RTRV-STATE-EQPT::uv-m-np-ddd::BC-s;
```

Utility Query Director DACS II [I.56341]

```
RTRV-STATE-EQPT::[s]abc-ddd[&&-fff]::DD;
RTRV-STATE-EQPT::uv-m-np-ddd[&&-fff]::DD;
```

Utilities, ETSIs [I.53022]

```
RTRV-STATE-EQPT::ETSI::EQPD;
```

Utility Query State [I.56311]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def];
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr];
```

Utility Query NPC State [I.56314]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def];
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr];
```

Query Bit-C NPC [I.56351]

```
RTRV-STATE-EQPT::[NPC-[s]abc[&&-[t]def]]::\
BC-s:[ALL];

RTRV-STATE-EQPT::\
[NPC-uv-m-np[&&&-wx-k-qr]]::BC-s:[ALL];
```

Utility Query Director DACS NPC [I.56343]

```
RTRV-STATE-EQPT::\
{NPC-[s]abc[&&-[t]def]::DD|::ALL:DDCT};

RTRV-STATE-EQPT::\
{NPC-uv-m-np[&&&-wx-k-qr]::DD|::ALL:DDCT};
```

Query Equipped NPCs [I.53041]

```
RTRV-STATE-EQPT::NPC::EQPD[,TOTAL]:[UNIT-[q]q];
```

Utility Query Loopback [I.53131]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def]::LPBK;

RTRV-STATE-EQPT::\
NPC-uv-m-np[&&&-wx-k-qr]::LPBK;
```

Query NPC Non Frame-Word Setting [I.56324]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def]::NFS;
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::NFS;
```

Query NPC Time Slot Zero [I.56321]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def]::TS0-s;

RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::\
TS0-s;
```

Query Time Slot Zero Monitor [I.56323]

```
RTRV-STATE-EQPT::NPC-[s]abc[&&-[t]def]::TS0M;

RTRV-STATE-EQPT::\
NPC-uv-m-np[&&&-wx-k-qr]::TS0M;
```

Utility Query Synchronizer [I.56301]

```
RTRV-STATE-EQPT::SYNC;
```

Utility Query, Synchronizer [I.53001]

```
RTRV-STATE-EQPT::SYNC::EQPD;
```

Utility Query Equipped [I.53021]

```
RTRV-STATE-EQPT::TSI::EQPD;
```

Query All [I.53101]

```
RTRV-STATE-EQPT::[UNIT-[q]q]::ALL;
```

Utilities, Equipage Status [I.53011]

```
RTRV-STATE-EQPT::UNIT::EQPD;
```

Utility Query Entity Equipage [I.53108]

```
RTRV-STATE-EQPT::[UNIT-[q]q]::EQPD;
```

Utility Query Equalization, Impedance

[I.53071]

```
RTRV-STATE-EQPT::UNIT-[q]q::FTMI-b;
```

Utility Query Status of Entities/ Equipment

[I.53103]

```
RTRV-STATE-EQPT::[UNIT-[q]q]::{PEST|FAIL|OOS};
```

Utility Query Test-Access Group NPC

[I.53091]

```
RTRV-TACC-T0::NPCTG-rrr[&&-sss];
```

Utility Query Test-Access Group

[I.53081]

```
RTRV-TACC-T0::TG-mmm[&&-nnn];
```

Utility Query, Test Ports

[I.53061]

```
RTRV-TACC-T1;
```

Miscellaneous Commands

13

Abort [I.55711]

```
ABT-CMD;
```

Append Component Command [I.19041]

```
APPEND[::{<line number>|END}::];
```

Copy NPC [I.31521]

```
COPY-EQPT::NPC-[s]abc,[t]def[&&-[u]ghi];
COPY-EQPT::NPC-uv-m-np,wx-k-qr[&&&-gh-i-kl];
```

Backup Memory Transfer [I.55701]

```
CPY-MEM::::<from>,<to>:[PROG]:[INCL];
```

Delete Feature Package Identification [I.37301]

```
DLT-FPKG::::nnnnnnnn;
```

Set Date [I.51021]

```
ED-DATE::::[ce]yr-mo-da:[INT-ii];
ED-DATE::::,hr-mn-sc;
```

Alarm Cutoff [I.51111]

```
OPR-ACO-ALL;
```

Set Daily Facility Alarm Reporting Time [I.51011]

```
SCHED-PMREPT-ALL::::[hr-mn-sc],\
{CFA|PRIM-X-ghij|MONDAT};
```

UtilityBoot [I.58001]

```
STA-LOCL-RST::PMEM::[CLR];
```

Upgrade Frame [I.55731]

```
UPGRD-SYS;
```

Denial Codes

14

mmmm	*Explanation*
ENEQ	CCB not eqd, not IS, or failed or inactive side CCB not eqd or not IS
	CPR is not equipped
	Copy source NPC is not equipped
	DSPI not equipped, not in service, or failed
	DSPU is not equipped
	Database corrupt
	ETSI not equipped, not in service, or failed
	FC not eqd, not IS, or failed or inactive side FC not eqd or not IS
	FMT not eqd, not IS, or failed, or inact side FMT not eqd, or not IS
	FTMI not equipped, not in service, or failed
	MIU is not equipped
	Mate NPC is not equipped
	NPC not equipped
	NPC not provisioned as DGA
	NPCTG not grown
	NPCTP is not grown
	No CBTYPE NPC equipped
	No DSP unit equipped
	Not enough DSPPs are equipped
	Protection MIU is not equipped
	Protection entity is unequipped
	Required FLI not equipped, not in service, or failed
	Required MIU not equipped, not in service, or failed

mmmm	*Explanation*
	Required MXR not equipped, not in service, or failed
	SYNC TB is not equipped
	Service MXR is not equipped
	Subject entity is not equipped
	Sync source NPC is not equipped
	TSI not eqd, not IS, or failed or inactive side TSI not eqd or not IS
	The MXR is not grown
	The pair MXR is not equipped
	Unit not equipped, not in service, or failed
	Test group unequipped
	Virtual SLC NPC not provisioned
ENFE	Cross-connect not consistent with feature package
	Software does not contain Enhanced CEPT feature
	Subject NPC does not support CEPT BER feature
ENIE	Option rr/m has not been set up on 2nd database
	Termination is not connected as indicated
	Two confs. were prev. connected or the concat. cause BRD-BBL loop
ENRE	Corresponding NPC for FROM virtual channel is not provisioned
	Corresponding NPC for TO virtual channel is not provisioned
	Corresponding NPC for virtual channel is not provisioned
	FROM NPC is not provisioned as DGA
	Illegal connectivity specified
	NPC not provisioned for CAS
	NPC not provisioned for NSA
	PMEM type no longer supported
	SMEM is a normal SMEM
	SSC circuit pack is still equipped; pull-out/remove SSC
	Subject entity is equipped
	TO NPC is not provisioned as DGA
ERLC	Attempt to remove DGA w/o INCL keyword or prior prot. sw. request
	Customer control or red circuit exists
	DGA protected; use INCL to remove, or unswitch protection

mmmm	*Explanation*
ICNV	PM scheduling report is already allowed for this entity
	PM scheduling report is already inhibited for this entity
	TS0 is crossconnected to TS0
	Bit value not allowed for NPC type
	Current error corrector pack type specified in command
	Current Hub id specified in command
	not allowed for clear 2MB
IDMS	Both FAC and PRIM values(keywords) are required
	INCL keyword needed to perform this command
	INCL must be specified for SRDC ckts
	SIDE must be specified for subrate NPC
	Some priority values required
	Unspecified L2 address
IDNC	FDL selected with width not 1
	Inconsistent or invalid circuit type for Nx64Kbit TA
	Old or new is a non-channelized type in a DS0 command
	One NPC is a non-channelized type and the other is not
	Some priority values not required
	TG width incompatible with circuit
	The two FADS entered are not associated with one another.
	Incompatible HUB feature types
	Inconsistent BCON width for test access
	Inconsistent HUB width for specified TG
	Invalid channel designation for BCON
	Not all FROM channels on same NPC
IDNV	A locally switched channel is specified as BBL, LEG, or BRD
	A subrate circuit pack is specified in the command line
	AIS entered for MONE/MONF/MONEF/SPLTA/SPLTB/SPLTAB
	AIS invalid for cross-connection specified
	AIS keyword incompatible with NPC type
	Adding two digroups from one bank on same DDC
	Alarm option and bank mode don't match
	All NPC(s) are either not valid or not grown

mmmm	*Explanation*
	Attempt to broadcast a locally switched channel
	Attempt to one way cross-connect a locally switched channel
	BER must not be less than 4 for Clear DS1
	Bad PRIM X'efgh values
	Bank id number not found
	CPR circuit pack specified in the command
	Can't Use LCN 0/LGN 0 - designated as a supervisory channel only
	Can't delete because not all associated NPCs of the RT are entered
	Command not allowed
	Conference first channel doesn't match input
	Conference port cannot be dropped out of conference by switch command
	Conference port is not in conference circuit
	Connectivity can not be specified for CEF unit
	Counting sequence and operational mode don't match
	Cross-connect a non Mode I channel to DCLU
	Cross-connect a non SLC channel to DCLU
	DGA and DGB must be specified together in the command
	DGA with NDL option is not provisioned with D4 or ESF framing format
	DGA/DGP of RT/DL Mode I must be assigned to one DDC
	DGC and DGD must be specified together in the command
	DGP designated to bank without data link
	Digroup name and bank id don't match
	Digroups from same bank are added to two different FTUs
	Digroups from same bank have different counting sequence
	Digroups from same bank have different modes
	Duplicate L2 address
	Duplicate ports specified
	ENQ/ACK flow control is supported only on Snider link
	Error in input
	Framing format, digroup name & operational mode don't match
	INCL not specified and at least one NPC In Service

mmmm *Explanation*

IU type NPC(s) cannot be provisioned for Minor Alarm
IW option is not allowed for new type of Clear-DS1 NPC
Inconsistent Signaling on CEPT NPCTGs
Inconsistent channel range width
Invalid CEPT NPC
Invalid CFT code
Invalid FPI value
Invalid FROM channel number
Invalid MIU/MXR type specified
Invalid NPC addressing scheme specified
Invalid SLC Mode-III channel number
Invalid TC specification
Invalid TO channel number
Invalid channel 000 cross-connection specified
Invalid channel 031 cross-connection specified
Invalid channel number
Invalid circuit type
Invalid keyword(s) combination specified
Invalid line number
Invalid link number specified
Invalid poll time
Invalid switch request for DCLU
Leg type mismatch
MUX or TRB invalid for cross-connection specified
Mode I RT/DL IDs don't match for DGA/DGP on same DDC
NAM invalid for cross-connection specified
NDL option is specified for DGA
NDL option is used without DGA
NPC containing channel 000 is invalid type.
NPC is a DGP
NPC is channelized type
NPC is not part of a one-way connection
NPC number and bank id don't match

mmmm	*Explanation*
	NPC number and digroup name don't match
	NPC parameter only valid with TU type TLI
	NPC type is not DS type
	NPC type option Y is invalid for SLC-96 NPC
	NPC used as a timing reference
	NPC(s) actual type incompatible with TYPE keyword and/or alarm type
	No OOS keyword is given for out-of-service NPC
	No PM data available
	No mapped circuit under test; emode/fmode can't be changed.
	Number of transmitting ports does not match existing conference
	OLD and NEW Data and Parity channels partially overlap
	OLD and NEW channels cannot be the same
	OLD data channel cannot be parity channel type
	Old and new are the same NPC in a DS1 command
	One-way circuit under test; emode can't be changed.
	Operation mode and digroup name don't match
	Option not programmable for this NPC type
	PWR/MISC alarm is specified to a digroup other than DGA
	Parameter only valid with PA, PB, or PC type NPCs
	RT-DCLU cross-connect with different channel number
	RT-DCLU cross-connect with different ids
	RTF keyword and the operation mode does not match
	RTF keyword is used without DGA
	Range entered without FRC keyword
	Range not allowed for circuit type
	SC invalid for cross-connection specified
	Selectable AIS not valid for specified NPC(s) type
	Side specified for non-duplicated NPC
	Signaling processing is not activated for the channel
	Superuser logged on
	TG East/West type inconsistent with each other or circuit
	TS0 specified with width not 1

mmmm	*Explanation*
	TS16 specified for CAS TG
	TS16 specified for test with width not 1
	The RT id entered is not a retrofit one
	The common bit(s) is(are) not set in both FAC & PRIM
	The facility parameter not programmable for specified x or z parameter
	The parameter specified does not match with the NPC type
	The specified parameter is not applicable to operation mode of the RT
	Trunk type is not allowed in the circuit specified
	Unmatched channel range
	Unmatched channel range involving SLC Mode III termination
	Unrunnable CFT code
	Using the 24th channel of a DMI NPC
	Using the 24th channel of a T1DM NPC
	Virtual circuit is not specified for X.25 link
	XON/XOFF flow control is supported only on Snider link
	ZBTSI option is only valid with the ESF mode
	Emode/fmode can't be changed under current test mode.
	x & z parameters on DSxyz are inconsistent
IDRG	Command did not execute for any entity specified in the command
	Ending channel is out of range
	First and Last NPCs are outside a module boundary
	First and Last NPCs are outside unit boundary
	Invalid FROM channel number range
	Invalid TO channel number range
	Invalid range for specified FROM NPC type
	Invalid range for specified NPC type
	Invalid range for specified TO NPC type
	NPC range crosses unit boundary
	OFFSET range is invalid
	Old and New channel on same NPC and within the range
	Only up to 4 historical data registers are allowed
	TG width too large for single NPCTG

mmmm	*Explanation*
	Threshold value is out of range
	Unit type (xyz) not supported
	Input channel out of range (SLC not supported)
IICM	Clear gateway test access disallowed.
	SRDC timeslots are allocated on this NPC
IIDT	AIS not entered for SPLTE/SPLTF/SPLTEF/LOOPE/LOOPF
	Database conference width does not match the range in input command
	Illegal BBL BBL combination
	Illegal BBL SYM combination
	Illegal BRD BRD combination
	Illegal BRD SYM combination
	Illegal LEG LEG combination
	Illegal SYM BBL combination
	Illegal SYM BRD combination
	Invalid change from previous mode
	Invalid change parameter combinations
	Invalid input BBL as fmd in ONE-WAY command
	Invalid input BBL in terminated TWOWAY/ONEWAY command
	Invalid input BRD as tmd in ONE-WAY command
	Invalid test mode for a one-way test session
	Invalid test mode for an unmapped test session
	Invalid use of CONV keyword
	NPC is a channelized NPC
	NPC is a non-channelized NPC
	NPC is not a F-end
	NPC is not a Facility Access Digroup
	NPC is not an E-end
	NPC type mismatch
	No NPC's out of service and OOS keyword used
	No RDLD or CUS circuits and INCL keyword used
	Report interval is not an integral number of accumulation interval
	TO side is not a DMB type NPC

mmmm	*Explanation*
	This NPC type does not allow unframed Clear-DS1
	Transmission parameters in command will not change existing settings
	Trunk conditioning is invalid
IIFM	Bad FAC value entered
	Exceeded depth limit of 6 on broadcast conference concatenation
	FMC cannot be cross-connected in this format
	Invalid FROM NPC type for AIS insertion
	Invalid NPC type for AIS insertion
	Invalid TO NPC type for AIS insertion
	Try to operate a ONE-WAY conference with a TWO-WAY input command
	Try to operate a TWO-WAY conference with an ONE-WAY input command
IPNV	Accumulation Interval field is missing
	Accumulation Interval field is not allowed
	FAC keyword is invalid for this feature
	Historical data can not be specified
	Interval is not valid/not available
	Invalid direction specified for NTST TLA/TLR
	Invalid parameter combination
	Invalid use of INCL keyword
	Level field is not allowed
	MONDAT keyword is invalid for this feature
	MONDAT set to ALL is not allowed
	MONTIM set to ALL is not allowed
	Mismatch between channel 0 crossconnect and keywords
	Monitored Date field is not allowed
	Monitored Time field is not allowed
	NPC is non-channelized
	NPC number out of range
	No PM data available
	Only 15MIN for accumulation interval is allowed
	Only DAILY for accumulation interval is allowed

mmmm	*Explanation*
	Only historical data can be specified
	Only one parameter is allowed
	PRIM keyword is invalid for this feature
	Scheduled reporting for this npc is inhibited
	Scheduling report could not be found
	The MONDAT and MONTIM parameters can not both be specified
	This NPC type does not allow Payload
NCON	No conditions
SAAL	Feature is active
	Manual Pending is Active
	PA NPC threshold already in allow mode
	Protection switching is already allowed
	The switch is allowed (not inhibited)
SAAS	All channels assigned, cannot be grown as NPCTG
	Another NPC is grown and added as this digroup
	BCON BBL has one or more legs under test
	Channel(s) is already registered
	Channels assigned, cannot be grown as test group
	Channels assigned, cannot be grown as test port
	Conference Port is currently registered to a different channel
	New bank id is an assigned one
	TG number previously assigned
	Termination is already assigned
	Termination is in process of being rolled
	The MIU is already equipped
	Channel already under test
	Channel part of a TP or TG
	Circuit contains mapped channels for HUB request
SAIN	Loop back inhibited for digroup
	No mapped slots on a tsi
	No unmapped slots on a bus
	PA NPC threshold already in inhibit mode
	Parity channel cannot be within the range of a DS0 command.

mmmm	*Explanation*
	Protection switching is already inhibited
	Subject entity is pested
	Termination is under test or is a test port or group
	The switch is already inhibited
	Can't change option, inhibition is active
SAIS	Both syncs are in-service
	CCN side s is in service
	CRO is still equipped
	Conference already exists
	DS3U NPC already In-Service
	DSPI is in service
	MIU is already in service
	Mate NPC (DGA/DGP) is in service
	NPC not IU/TI type
	Some TLIs are still equipped
	Some TSIs to degrow are in service
	Subject entity is in service
	TLI 3 or 4 still equipped
	Test group is not idle or frame is not In Service
	Test port is not idle or frame is not inservice
	The MMFG is already In-Service
	The MXR is in service
	The selected FLI is IS and Pested and at least 1 Service MXR is eqd
SAOP	RT's alarm exists
	This signal is already being sent
SAOS	A DMB on the Unit is OOS
	Both syncs are out-of-service
	CCB is out of service
	CCI is out of service
	CCN side s is out of service
	CCNI is out of service
	DSPI out-of-service

mmmm	*Explanation*
	ETSI is out of service
	FC out of service
	FLI is out of service
	FMT is out of service
	FTMI is out of service
	File has already been cleared
	Formatter (FMT) on active CCN side is Out-Of-Service
	IU/TI type NPC failed
	MIU is out of service
	MXR is out of service
	Mate CCN side is out of service
	Mate SYNC is out of service
	NPC out of service or failed
	Protection MIU is out of service
	Protection MXR is out of service
	Protection entity out of service or failed
	SYNC is out of service
	Service MIU is out of service
	Service MXR is out of service
	Subject entity is out of service
	Sync 0 is not in-service
	Sync 1 is not in-service
	The MMFG is Out Of Service
	The mate FLI is OOS and Protection MIU is equipped
	The mate FLI is OOS and Protection MXR is IS
	The mate FLI is OOS and at least one Service MXR is equipped
	The protection FLI is out of service or pested (TOPRTN option)
	The selected MIU associated with the NPC is Out-Of-Service
	The selected MXR associated with the NPC is Out-Of-Service
	The service FLI is out of service or pested (TOSRVC option)
	UC is out of service
SAPS	Frame ID is protected
	The Service MMFG is already under protection

mmmm	*Explanation*
	The protection FLI is already selected (TOPRTN option)
	Can't change option, protection switch is active
SAPV	Option LOCAL already exists
	Option REMOTE already exists
SARB	Exceeded limit of reports with accum. interval of 15 min. or less
	Exceeded maximum limit of PM reports
SARL	No FADs were activated by link n
	No test ports were activated by link n
SATF	Can't run test on active side
SAWS	An autonomous switch is in progress
	C-bit modify function is active
	C-bit operations are enabled
	Conference exists in a DMB
	Mapped slots exist on a tsi
	NPC already allocated as sync timing source
	NPC already grown as non-synchronization source
	NPC already has Equipment Loopback
	NPC is already grown and added as SLC digroup
	The Service MMFG is not under protection
	The service FLI is already selected (TOSRVC option)
SNAS	Connectivity contains unequipped units
SNIS	CPR is out of service
	Cannot clear journals for OOS unit
	DSPU unit controller is out of service
	NPC is OOS for a TGR command and OOS keyword not specified
	NPC unequipped, out of service or failed
	RT/DL has unrestored DGA
	Sync source NPC is not inservice
	TD on one(both) sync(s) is not equipped or not in-service
	Unit(s) OOS, and additional backup required
SNOS	In-service NPC change not allowed
	Subject PWR to be cleared is not failed
SNVS	(Timing Distributor) TLI is not equipped

mmmm *Explanation*

1 hr >= 24 hr for DM opt
15 min >= 24 hr for ERS opt
15 min >= 24 hr for SERS opt
15 min >= 24 hr for SLIP opt
15 min >= 24 hr for US opt
3 Timing Distributor type TLIs are equipped
A DMB mode was assigned to a FTU-type NPC on the input
A loopback is active on the FROM termination
A loopback is active on the TO termination
A user is already logged in on the link/vc
Active CCN side is out of service
Adding DL DGP forbidden for SLC 96 MD 1
Alarm bits cannot be passed through or inverted
All digroups not out of service
Another signal already active prevents this signal from being sent
Assignment of single priority to multiple SSPs
At least one UC is OOS or At least one UC is failed
At least one UC is not the correct type
Attempt to add to a null transmitting port
Attempt to remove a Service MIU which is under protection
Attention: preceding ccode 83 is an anomaly - see problem list
Autonomous loopback is active on DGA
Backup required before executing this command
Bad sync mode
Bad use of INCL, cannot override the current state of the conference
Bad use of INCL, cannot use keyword on conf.-to-conf. connection
Bit 3 provisioned for use as RAI3
Bit 4 provisioned for use as RAIS
Bit 4 provisioned for use as RBER
Bit 5 provisioned for use as SFI
Bit c not settable
Bits 3 through 8 are provisioned for Transmic 1G

mmmm *Explanation*

Boot in progress, can't service request
Both ITS TG bundles must be on same TG193B card
Both sides of CCN are OOS
Broadcast unassigned channel/NPC in QRY,TO
C-bit modify function is disabled
CATP due to skipping continuity test for FMT
CCB is inservice but failed
CCI is inservice but failed
CCI is not present
CCNI is inservice but failed
CPR in buffer overflow condition
CRO type TLI (SSP portion not required)
CUS flag doesn't match that of conference
Can not create any more users
Can not execute privileged command
Can not perform DMB CHG on input direction A
Can not perform DMB CHG on input direction B
Can not perform DMB CHG on input direction F
Can not perform DMB CHG on input direction G
Can not perform DMB CHG on input direction L
Can not perform DMB CHG on input direction T
Can not remove Frame administrator
Can not remove own link
Can not use 12-th TP when NPCTP is in the T1DM or DMI mode
Can't disconnect return leg unless entire conference disconnected
Can't mount or unmount BOTH_MEM
Can't mount or unmount PMEM
Can't mount or unmount SMEM
Can't mount or unmount password recovery card
Can't perform DMB CHG because NTR flag set on FROM side
Can't perform DMB CHG because NTR flag set on TO side
Can’t RST MC CLR when a unit is equipped
Can't start new session - previous session still verifying

mmmm	*Explanation*
	Change not valid
	Change to T1DM digroup with cross-connect that is not TRSP
	Change to non-ESF digroup with 16-state cross-connect
	Channel has a FAR, which is within the range
	Channel or NPC not bridged
	Channel out of bound in a BCON/v.c
	Channels and conference port do not match
	Clock absent for XPC to loop back
	Combination of bit g (b7) and h (b8) is invalid
	Command and protocol are inconsistent
	Command invalid while backup in progress
	Command is Frame administrator (DAX) only.
	Conference Port is already registered to the same group of channels
	Conference is LPD: has no switchable return leg
	Conference is NTR: has no switchable return leg
	Conference port is currently connected
	Conference port is not registered
	Conversion leg is terminated
	Cross-connect to CPR is required
	Customer controlled circuit, INCL not entered
	DB MP or units ram error
	DB retrofit fail
	DCTN conference channel cannot be rolled
	DGA is not added
	DGN on subject entity denied
	DGP is protecting a primary digroup
	DL ffff is used w/ operational mode other than Mode I
	DMI combined with T1DM
	DSPP not in service, or failed
	DSPP pack FTMI Failed or Out of Service
	DSPP pack NPC Failed or Out of Service
	DSPP pack UC Failed or Out of Service

mmmm *Explanation*

Database is empty
Database is not empty
Database not loaded
Delete or change a leg from a conference that has no leg
Deny Clear-2MB for Alternate Maps
Deny SLC for Alternate maps
Deny SP Type NPCs for Alternate Maps
Deny non-channelized NPCs for Alternate Maps
Designated TG or circuit to be tested in process of being rolled
Different DSxyz types are used for DGA/DGP on same DDC for Mode I
Digroup is protected
Disable not allowed - supports another feature
ETSI cannot be initialized when ECCN side is OOS or inservice but pested
ETSI is inservice but failed
ETSI is not present
Entity can't be addressed in this configuration
FC is inservice but failed
FLI is inservice but failed
FMT is in service but failed
FPI on SMEM does not match one on PMEM
FRC specified for protection, and service MMFG is In Service
FROM is a two-way and no CONV specified
FROM is not a backbone leg
FTMI is PESTED
FTMI is in service but failed
FTMI type error
Feature deactivation would leave system with core software
Feature not enabled
File already exists
File doesn't exist/can't be accessed
File is being accessed
File is empty

mmmm *Explanation*

Firmware timing invalid for Transmic 1G NPC
Flash Card is bad
Flash Card is empty
Flash Card is not present
Frame is not in MCOND
Frame time is not set
Framed/Unframed clear 2Mbit/s NPC invalid for Automatic CRC-4
Framed/Unframed clear 2Mbit/s NPC invalid for Firmware Timing
Framed/Unframed clear 2Mbit/s NPC invalid for Transmic 1G, 2G
G1 SMEM for SMEM->PMEM w/journals
G4 to G4.1 retrofit failed
Gateway test access not supported
Hardware mismatch or not present
INCL keyword needed when restricted Insertion Word specified
IW is UMUX (18) but NPC not type DE4yz
IW not allowed to be specified in Clear 2Mbit/s
Illegal SSP type (not same as other SSPs)
Illegal priority value
Illegal test access mode for TS0
Illegal test access mode for TS16
Improper roll command sequence
Inactive side NPC out of service and inactive side in service
Incompatible types of NPCs on a circuit pack
Incorrect language/addressing mode
Incorrect number of parameters
Incorrect or missing password
Incorrect pack type in slot
Initialization of application in progress, retry command later
Input BRD (BBL) has same NPC and channel as BBL (BRD)
Insufficient data for setting up a conference
Integrated Test Set is currently active on TG
Invalid NPC number specified
Invalid PWR/MISC alarm level

mmmm *Explanation*

Invalid combination of "x" and "y" values
Invalid combination of "x" and "z" values
Invalid executable on card
Invalid option,mailbox or flag
ITS NPC Hardware Error
ITS TG Already Generating
ITS TG Already Monitoring
ITS TG is Idle
ITS TG Not Generating
ITS TG Not Monitoring
LEG mode was assigned to a DSPU-type NPC on the input
LLB not initiated
LPD invalid since existing conference is not already LPD
Language "F" provisioned for this channel
Language is not allowed
Last link in service
Line Loop Back is active
Line format types are incompatible
Link being used is not Link 1
Logical conflicts found in the map
Looped Circuit Access not allowed
MP database not consistent with Configuration file
Major/Minor BER threshold value is invalid for SLC NPCs
Maj|Min BER threshold is 7, but not in T1DM or Fe mode
Map/macro file write deferred until backup is completed
Mapped parity channel(s) on new
Mate RT/DL mode is different
Mate sync pack denied command
Maximum number of CPRs have already been grown for this unit
Minor <= major for BER opt
Minor >= major for COFA opt
Minor >= major for SLIP opt
Minor Slip threshold disabled before Major Slip threshold

mmmm *Explanation*

Mismatch between MXR and NPC types
Mismatch between service MXR and protection MXR types
New NPC already cross-connected or mapped channel(s) exist on New
NPC addressing scheme selected is not allowed in the configuration file
NPC as 12th test port can not change to DMI nor T1DM
NPC has active circuit
NPC has been designated as NPCTG
NPC has been designated as NPCTP
NPC invalid type
NPC is NPCTG and chan 24 is used in a TG; Can't change to T1DM or DMI
NPC is NPCTG, changing to CAS/NSA is not allowed
NPC is a Facility Access Digroup
NPC is a test port
NPC is not a NPCTG
NPC is not a NPCTP
NPC is not added
NPC is not designated for this NPCTP/NPCTG
NPC is still provisioned to provide sync timing
NPC not DA or TA type.
NPC not deleted
NPC not designated as sync timing source
NPC providing timing to inservice SSP
NPC type error
NPC type is inconsistent with FTMI type
NPC type option xyz is unassigned or invalid for feature package
NTR invalid since existing conference is not already NTR
New NPC same as existing one
New in CGA or PBA
No CBTYPE NPC capacity remaining
No DL digroups can be added until the associated RT bank is created

mmmm *Explanation*

No Facility Line Interface (FLI) is In Service
No SAFE alarm for DGP
No available timeslots on any inservice NPCS associated with FC/FMT
No edit session active
No equalization for CEPT FTMI
No macro is currently executing
No mapped channel on old
No protection switch is currently active
No signals active
No unmapped time slot
No user is logged in on the link/vc
No user/link needs to be changed
No zeros allowed for DAX privilege
Not Timing Extractor type TLI (not SSP)
Not a CRO TLI
Not a DACS II compatible Flash Card
Not enough DSPPs are in service
Not enough TSIs for CCB test
Not first channel in a BCON/virtual conf
Not valid for frame administrator
Number of DGPs on each unit is limited to 32
Number of SLC RT's on each unit is limited to 80
OLD termination is not mapped
Obsolete circuit type
Old and new channels have not been paired by a BCAST command.
One of the FAR end channels is being rolled
One of the far NPC(s) is SLC
One or more FADs could not be released
One or more test ports could not be released
One way unassigned channel/NPC in QRY,TO
Only one channel allowed to have this language
Option NOT leg can not appear with F, T, or B

mmmm *Explanation*

Option NOT leg is not a FTU leg
Option NOT leg is not in conference
Other FLI is OOS
Other NPC on this DDC not the same digroup for Mode I DGA/DGP
PDI Version number mismatch
PMEM and SMEM are different
PMEM and SMEM synchronization fail
PMEM error, boot from SMEM
PMEM not in service or not ready
PMEM not restored
Parity channel out of bound on new
Password recovery card is not READ-only
Point number mismatch
Priority values are same
Problem occurred while accessing BOTH_MEM
Problem occurred while accessing PMEM
Problem occurred while accessing SMEM or unformatted SMEM
Protection switch existing is autonomous
RCV continuity test won't be run: SYNC OOS or pested
RCV continuity test won't be run: at least one timeslot in use
RCV continuity test won't be run: no DMB timeslots available
RCV continuity test won’t be run: no available IS NPCS for FC/FMT
RDLD flag doesn't match that of conference
RTBC conference exists
Range overlapping between FROM and TO or between two TOs
Ranges of old and new do not match
Reading Feature Package Id from PMEM failed
Red circuit, INCL not entered
Release number mismatch
Report already exists
SLC 96 MD 1 RT DGP requires mate NPC to be unequipped
SMEM error, boot from PMEM

mmmm *Explanation*

SMEM is not present
SMEM unit is not restored
SR NPC was specified - not allowed
SSC Diagnostic Failure
SSP number is illegal
SSP number required
SSP type(options) same
SSP with 0 priority present
SSP with non 0 priority present
SYNC is inservice but failed
Signaling state of the trunk failed for the channel
Skip error summary since adjacent pack not in service or pested
Software Identification Block failed comparison
Software Identification Block is not readable
Some associated NPCs are equipped
Some circuits not activated,cleared or pictured
Source does not contain requested information
Specified width does not match existing conference width
Stratum not allowed
Sync architecture different
Sync architecture is same
Sync mode is same
Sync stratum is same
Syncs are equipped
System macro/map space is full
T1DM or DMI mode and channel 24 is connected
TB type in hardware mismatches DB
Termination is a test port
Termination is protected (RDLD)
Termination is under customer control (CUS)
Termination is under test
Test ports must be on CAS
Test session already exists

mmmm *Explanation*

Testport/testgroup channel cannot be rolled
TG in TSM ON mode
TG not in TSG ON mode
TLA/TLR invalid with ITS test groups
TO is a part of the same conference as a previous TO
TO is already the return leg
TO is not a leg of this/any conference
TO is the backbone leg of a conference
TO side of two-way to be converted is not an FTU NPC
The INCL keyword is needed for DGA
The MMFG is protected
The NDL options are different for DGA's on the same DDC for Mode I
The NPC of VC BBL leg doesn't match that in the input command
The NPC to delete has not been previously added to map
The OLD or NEW NPC is already being rolled.
The associated MMFG is under protection (for Service MIUs)
The associated MXR is In-Service but pested
The conference does not exist
The first channel of VC BBL leg doesn’t match that in the input cmd
The first channel of VC BRD leg doesn’t match that in the input cmd
The input BRD leg is not in VC
The map is not valid
The mode of the RT is not applicable
The reference map does not exist
The requested digroup is carrying service
The selected MIU associated with the NPC is In-Service but failed
The selected MXR associated with the NPC is In-Service but failed
The session is terminated due to maintenance operation
The total number of receiving ports specified exceeds the max.
There are no INS MXRs to run test on
Timeslot channel numbering not allowed with CAS
Timing Extractor type TLI (need SSP info)

mmmm *Explanation*

Timing Extractor type TLIs are present
Transmic 1G NPC designated as SYNC source invalid
Transmitting port cannot be dropped
Tried to disconnect a nonexisting VC
Trunk conditioning doesn't match that of conference
Try to add a BBL to VC,but the VC already has backbone
Try to delete a BBL leg from VC;however, VC has no BBL leg
Try to delete a BRD leg from VC; however, VC has no BRD leg
Trying to add a BBL leg to a conference set up as SYM
Trying to add a BBL to a DMB conference that already has one
Trying to add a SYM leg to conference set up as broadcast
Trying to add a broadcast leg to a conference set up as SYM
Trying to add or delete a leg when a conference is under test
Trying to change in NTR direction
Trying to change level in on BBL leg
Trying to change level out on BRD leg
TS0 connected to nonTS0 in Mode 2 - "a" should be "-" or "b"
Two digroups from same bank added to different FTMIs
UC is in service but failed
Unable to verify Configuration file since MP DB not loaded
Unassigned operational mode
Unframed clear 2Mbit/s NPC invalid for Bit 4 used as RA IS/RBER
Unframed clear 2Mbit/s NPC invalid for TS0 processing
Unit is not FTU type
Unit type error
Unmapped channel(s) on old
Unpesting error registers for subj. entity failed
Use of this NPC is RESERVED for SLC 96 MD 1
User does not exist
User has been created
User has logged in somewhere
User is not logged in
User logged off during session

mmmm	*Explanation*
	User login-id is not DAX
	User macro/map space is full
	User quit the menu
	User still owns files
	Width of existing two way does not match conference width
	Write to CPR failed
	Writing Feature Package Id to PMEM failed
	Wrong SSP type(Timing Extractor type)
	Wrong TLI type
	Wrong TLI type (need CRO grow command)
	X option is illegal
	XMIT continuity test won't be run: CFT code specified
	XMIT continuity test won't be run: no XMIT timeslots available
	Y option is illegal
	Z option is illegal
	Channel is OCON in opposite direction
	Circuit already terminated
	Circuit not terminated
	Hub id not set when MJU pack grown
	Invalid mode for TLA/TLR
	Invalid test access mode
SOSF	All CBTYPE NPCs out of service or failed
	DSPU unit controller is failed
SPFA	No protection is available for the Service MMFG
	Protection switch process failed
SPSW	The Protection MMFG is selected, and auto. switchback is unavailable
	The protection MMFG is serving another facility
SROF	(NPC) Hardware mismatch
	BOOT on subject entity failed
	CCN denied request
	Can't lock or unlock ram database
	Circuits TCONed itself cannot be UTST

mmmm *Explanation*

DB can't get the slave mail box
DB can't send or receive mail
DGN on subject entity failed
Failed to boot CI
Failed to boot CONF file
Failed to boot DB
Failed to boot journal--recurrence indicates database corruption
Failed to boot subject CCN side
Failed to boot unit
Failed to switch SYNC side
General boot failure (vanilla flavor)
IU/TI type NPC
MIU is failed
MXR is failed
Mismatch between MXR and MIU HDW types
NPC Failed or Out of Service
No Memory Backup Has Been Scheduled
None of the designated NPCTG(s) are equipped
None of the designated TG(s) are equipped
PMEM verification failed
Read/write eeprom error
RST failed to boot DB
RST failed to boot program
SSC software out of date
Sync not completely reset
Sync pack denied command
Syncs failed to cross couple
The MIU boot failed
The MIU diagnostics failed
The MXR boot failed
The MXR diagnostics failed
Unit 1 denied request
Unit 2 denied request

mmmm	*Explanation*
	Unit 3 denied request
	Unit 4 denied request
	Unit 5 denied request
	Unit 6 denied request
	Wrong MXR type grown for this MIU
SRTN	Test Port release failed
	Test group release failed
SWFA	Active CCN side not IS or failed or pested or hardware OOS
	Boot TLI failed
	Checksums verification failed
	DB PMEM error OP-CL-RD-WR-SK
	DB SMEM error OP-CL-RD-WR-SK
	DSPI failed
	Data link failed
	Device failed to format
	Device failed to initialize
	Failed to lock sync to timing reference
	Far end failed to respond
	Hardware database mismatch
	MXR LOS with unselected FLI
	Selected FLI has LOC with at least one inservice MXR
	Sync is not configured yet
	Unselected FLI has LOS with at least one inservice MXR

Index

D

E

F

G

H

L

M

N

O

P

Q

R

S

T

U

X